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FROM TRASH HEAP TO "EARTHSHIP" | NEW BEGINNING FOR TECH & ATLANTA'S WESTSIDE

GEORGIA TECH

ALUMNI MAGAZINE

VOLUME
00
NO.4
2012



...and SERVICE

1

Fulfilling
the Institute's
Motto to Help
Those *in* Need

TECH



“When you graduate with a degree from Georgia Tech, you are ready to take on the toughest challenges.”

— *Charlene Oxford Zalesky, HS 1977, and Richard E. “Rick” Zalesky Jr., CE 1978*

A passion for effective and timely humanitarian aid relief inspired Charlene Oxford Zalesky, HS 1977, and Richard E. “Rick” Zalesky Jr., CE 1978, to make a seven-figure estate commitment to Georgia Tech’s Center for Health and Humanitarian Logistics in the H. Milton Stewart School of Industrial and Systems Engineering. The Center focuses on developing methodologies and technologies to facilitate the distribution of humanitarian aid—including food, clean water, and medicine—to disaster sites around the world.

In addition to their estate provision, the Zaleskys have also pledged ongoing annual support for the Center, which allows them to see the tremendous impact of their giving during their lifetimes. “Rick and I were very excited to learn how basic industrial engineering techniques were being utilized to help humanitarian organizations throughout the world improve their effectiveness, which in turn made our gift dollars go further serving more people,” said Mrs. Zalesky.

A longtime executive with Chevron in Houston, Mr. Zalesky is a member of the Georgia Tech Advisory Board, the Civil and Environmental Engineering Advisory Board, and the Chemical & Biomolecular Engineering Advisory Board. He was named a College of Engineering Distinguished Alumnus in 2007. Mrs. Zalesky, who holds an MBA from Golden Gate University in addition to her Georgia Tech degree, is a member of the Industrial and Systems Engineering Advisory Board. Their son, Zack, will complete his undergraduate degree in mechanical engineering in the spring of 2013, and their daughter, Zola, is a freshman studying industrial engineering.

“Georgia Tech has meant a great deal to our family over the years,” said Mrs. Zalesky. “We believe the success we have enjoyed in our careers is due in large part to the superb education we received. When you graduate with a degree from Georgia Tech, you are ready to take on the toughest challenges in any business endeavor with the confidence that you will be successful.”



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From chessboards in Washington, D.C., to the peaks of Machu Picchu, Ramblin' Wrecks are committed to living out the second commandment of their alma mater's creed.

WESTSIDE STORY P54

The Westside neighborhoods surrounding Tech's Atlanta campus are struggling, and the Institute is reaching out a helping hand.

UP THE HILL P62

David Young, IM 63, has spent three decades caring for an otherwise abandoned historic cemetery in Chattanooga, Tenn. He fears the work will outlive him. What keeps him going?

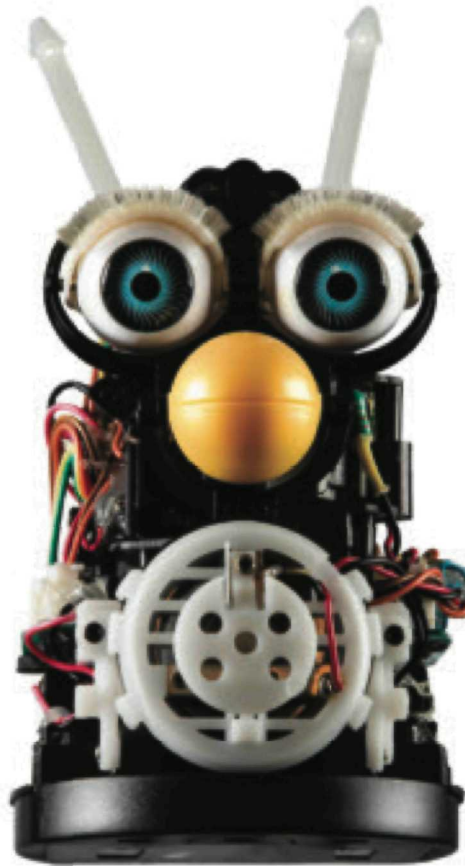
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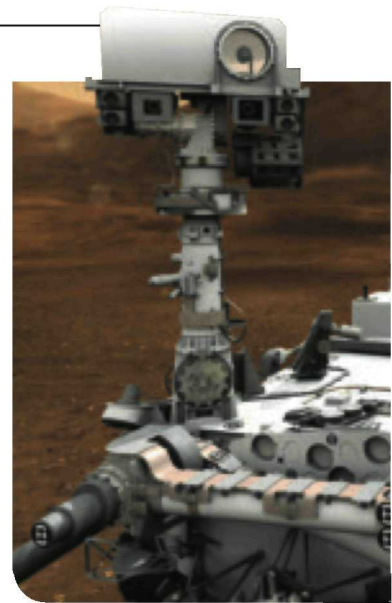
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Called to Serve

The words featured on Georgia Tech's seal—"Progress and Service"—are not just a motto. They're a living, breathing promise made real by the Tech community.

Around the globe, our alumni, staff and students work to enhance the lives of those around them and make the world a better place.

In this issue, you'll see just some of the stories of great volunteer service being performed by amazing Ramblin' Wrecks.

While we can't recognize all of the service work of our Tech community in a single issue, I'd like to highlight the alumni volunteers in our Networks and Affinity Groups, who do great work advancing the reputation of Georgia Tech in their local communities.

And we can't talk about service without saluting those in uniform who serve this great country and protect our way of life. Thank you to the many members of the Tech community who serve or have served in the armed forces. We're blessed by the sacrifices that you make.

In other news, for the second year in a row, *Smart Money* magazine has ranked Georgia Tech No. 1 in return on investment. Here's what they had to say: "The Georgia Institute of Technology ... flies under the reputational radar. Even its president, G. P. Peterson, goes by the unassuming, guy-next-door nickname of 'Bud.' But based on our Payback Score, the school deserves a higher profile—and some bragging rights. After all, it's offering the best academic deal in America. Recent Georgia Tech grads earn \$59,000, or a stellar 67 percent of what they paid in tuition. Grads in their 30s average \$102,000 a year, more than three times their 1990s tuition tab."

Part of Tech's success is because our degree programs are focused on science and engineering, and those fields pay well. However, tuition at Tech is lower than it should be relative to the outstanding educational and life experiences that students receive. But state support is declining, so there's pressure to raise tuition.



As an alum and a parent of a Tech student, I'm not advocating higher tuition. But I also know that if we're to maintain the quality of the educational experience, things must change. During this past year, for the first time in decades, tuition revenues outpaced state support. This is not a criticism of the state—to the contrary, the University System of Georgia Board of Regents and government leaders are very supportive of Georgia Tech. They simply have other, more pressing priorities.

Higher education in the United States is changing. And you know from our last issue that efforts like Tech's Coursera partnership will shape the future. We need to have courage to embrace the change. General Eric Shinseki, retired chief of staff of the U.S. Army once said, "If you don't like change, you are going to like irrelevance even less." I concur. And Georgia Tech will continue to progress and grow with your support as leaders, volunteers, ambassadors and donors.

JOSEPH P. IRWIN, IM 80
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“Great job on the redesign of the Alumni Magazine (even down to the texture of the mailing)! I find myself even more engrossed in the great stories contained inside. Thank you!”

Carlos Britt, EE01, MBA 09, Atlanta

No Solution in Water War

I saw the article in the *Alumni Magazine* about the issue of the interstate water conflict [At Issue, Vol. 88 No. 3]. I am from Alabama but received an MS in environmental engineering from GT and worked 30 years as a senior manager in Alabama’s water quality agency and served on two or three governor’s water study groups—none of which produced any measurable results. A fourth is now in the works and seems destined for the same outcome.

Having followed closely Georgia’s management initiatives with colleagues and professional associates in Georgia, and seeing some management successes in Georgia, it was not hard to conclude some time ago there is no solution as long as the legal stalemate goes on as it has for nearly 22 years. My daughter says engineers “think they can fix anything,” and I have had that discussion more than once with Georgia officials, one of whom said, “Give engineers who trust and can talk to one another two years and there will be a plan of action.” But engineers have never been allowed by the negotiating states to play a significant role—at least from the Alabama perspective. Until that changes, we will be reading the same articles 10 more years from now.

Charles Horn, MSSanE 72
Montgomery, Ala.

Alumni Put Student at Ease

I just wanted to thank you for such a nice afternoon [at the Central Florida Georgia Tech Network’s student send off



party]. The alumni did a fine job making themselves approachable and listening to anxious parents and eager future Tech students.

My daughter, Sydney [Geren, now a first-year biomedical engineering major], was so excited after the party. The conversations she had with the alumni and her fellow Tech classmates put her to ease regarding the challenge awaiting her at GT and fired her up. Thank you and go Jackets!

Dana Geren
Orlando, Fla.

Article Recalls Travel Memories

Your recent article in the *Alumni Magazine* [“50 Years of Ramblin’ Around the World,” Vol. 88, No. 3] brought back

many memories from the ‘60s. I joined the Tech non-academic staff in 1960 as plant engineer in the Physical Plant Department and served as an adjunct member of vice president for development Joe Guthridge’s team for 10 years. I found the 1962 Holiday in Europe to be exciting and the first of numerous personal excursions to Europe.

As I remember, Tom Hall and I were the youngest members of the 1962 group. During my Tech experience, the first of five stops in my 40-year career in higher education facilities management, I conceived and oversaw the construction of phase one of the campus chilled water system, which was commissioned in 1965. Tech was rapidly expanding in the 1960s, and it was rewarding to be involved and also to occasionally serve as co-pilot for President Ed Harrison.

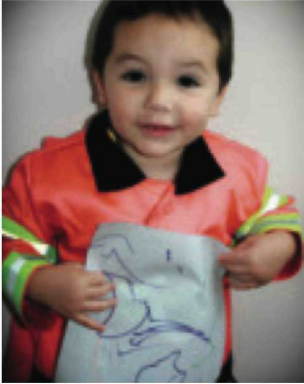
Philip G. Rector, ME55
Lake Placid, Fla.

Magazine Interesting, Chippy

You do a great job of providing interesting content in the GT magazine. I usually read a few articles in each issue that I receive. In the latest issue [Vol. 88, No. 2] I

Want to get in touch? Send letters to: Editor, *Georgia Tech Alumni Magazine*, 190 North Ave. NW, Atlanta, GA 30313, or editor@alumni.gatech.edu. Comment at gtalumnimag.com or at facebook.com/georgiatechalumni. View our letters to the editor policy at gtalumnimag.com/letters-policy.

Son Loves Robots



My 2-year-old son, Jude, carried the robot magazine [Vol. 88, No. 2] around for days. Now he draws robots and talks about them. Hopefully we have a little Yellow Jacket on our hands!

Erin Osben, ME 02
Marietta, Ga.

noted the many letters praising the new design. And I also noted the one letter that did not like it at all.

I hate to be a negative old fogey myself, but I do share some of this reader's opinions. I'm sure much work went into the design changes, and I can see some of the contemporary improvements. Unfortunately, I cannot put my finger on the exact problem, but I find many pages to be a bit choppy-looking and uninviting to read. I do encourage you not to discard the observation that there are pages that appear busy and choppy. I am sure there are some tweaks that could resolve this problem. Perhaps a few focus groups would point these out. Thank you.

Jim Jackson, MCP 76
Fern Park, Fla.

RAT Caps Still Worn

I was a freshman in 1963, and we still had to wear RAT Caps. They may have dropped the shaved heads [Time Machine, Vol. 88, No. 2]. My cap is still in my home office along with my diploma, my Phi Gamma Delta composite, my 25th reunion touchdown tower, a miniature Reck, my 40th reunion nametag (Dean Dull and his wife sat with us) and *Blueprints* from 1964 and 1967. Keep up the good work.

Andy Kohl, CE 67
Argyle, Texas

The Wrong Tim Gunter

In the recent issue [Vol. 88, No. 3], there is an error in the article "The Fans" on page 62. It states that Lindsey's father is Tim Gunter, NE 79, a defensive back for the Yellow Jackets in 1972-74. There was only one Tim Gunter, NE 79. I attended GT from 1975 to 1979. I never played football, and I don't have any children that I am aware of. Otherwise, keep up the good work. I enjoy the magazine.

Tim Gunter, NE 79
Las Vegas

Editor's Note: *We got the wrong Tim Gunter. The correct Tim Gunter (Lindsay Kuykendall's father) earned his industrial management degree in 1977. In the same article, the wrong degree was listed for Lindsey and her husband, Jason. They both received industrial design degrees.*

Corrections: *In the story "Feet of Engineering," about Tech's School of Applied Physiology, in Vol. 88, No. 3, we misspelled the name of one of the school's patient models, Gary Pline. Also in that issue, Billy Wallace, EE 46, wrote a letter to the editor. A portion that paid tribute to Wallace's late classmate, Merle Donaldson, EE 46, was inadvertently cut from the letter.*

CONTRIBUTORS



JAMIE GUMBRECHT, who explored Tech's growing relationship with Atlanta's Westside communities (pg. 54) is a journalist at CNN.com. She's worked for newspapers in Detroit, Atlanta and Lexington, Ky.



JEFF HAWS is a freelance writer whose work has appeared in the *Atlanta Journal-Constitution*, *The New York Times*, and the *Washington Post*. His profile of women's basketball coach MaChelle Joseph, appears on pg. 28.



ANDREW THOMAS LEE photographed David Young and the Pleasant Garden cemetery for "Up the Hill" (pg. 62). More of his work can be found at andrewthomaslee.com.



JESSE LEFKOWITZ, whose work appears on the cover of this issue and throughout the "... and Service" feature (pg. 42) lives in Berkeley, Calif., and has done work for *Rolling Stone*, *Runner's World* and *The New York Times*.



THWG! #georgeburdell, Buzz, Ramblin' Reck. We Innovate everything-even tradition #onlyattech @gtadmission

Must read "Into the Unknown: the Future of Education" <http://gtalumimag.com/2012/08/into-the-unknown/> @ramongurriaran

→ Online Comment:

Enjoyed the story very much. It was well written, inspiring and gave me a great insight of this very humble, wonderful donor (Mr. Scheller). God Bless Mr. Scheller and all the rest of the dedicated, generous donors.
Zulikha Hussain (posted at gtalumimag.com)

Around CAMPUS



One Man's
Trash...

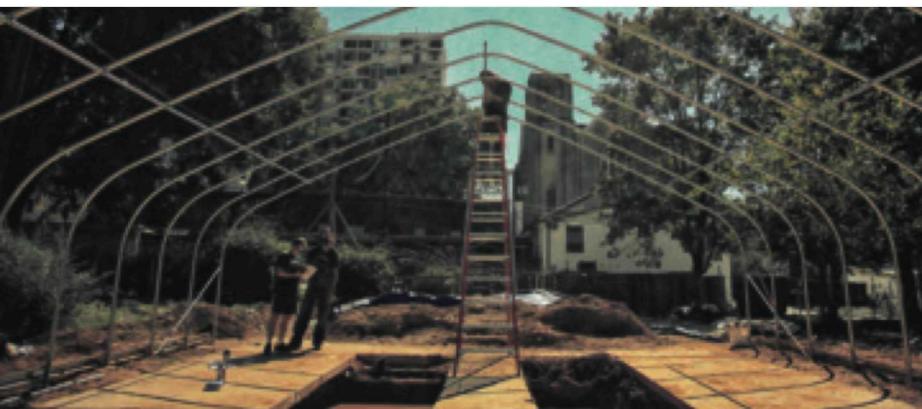


TURN THE PAGE



Recycled Tires Used to Build 'Earthship'

Van Jensen



Steven Van Ginkel, a research engineer in the School of Civil and Environmental Engineering, was walking his dog along Peachtree Creek in Atlanta's Buckhead neighborhood when he saw abandoned tires stuck in a sandbar. While some might have seen pollution, Van Ginkel saw building materials.

Van Ginkel is a faculty leader of Tech's Arkfab Green Phoenix initiative, a partnership between Tech and Truly Living Well, an Atlanta nonprofit that supports sustainable urban agriculture. The Ford Motor Company Fund provided \$50,000 to the initiative, which is enhancing the Wheat Street Garden next to the Martin Luther King Jr. Center in Atlanta.

A team of Tech students and faculty members had planned to construct a sustainable system to raise mushrooms, vegetables and fish in the garden. The building for the mushrooms needed to be well insulated, and it needed to be cheap.

Van Ginkel was struggling with that challenge when he happened upon the trashed sandbar. In late summer, he led 20 students and other volunteers to salvage tires. "I had no idea we'd find 487," Van Ginkel said. "There are likely more

we didn't see buried under the sand."

The team is using the tires to build an "earthship," which features walls of recycled tires surrounded by rammed earth. The large thermal mass of the structure moderates the interior temperature.

When finished, the structure will be used for mushroom cultivation. Beside it will be a greenhouse for fish and vegetables. Recycled food waste will be used in growing gourmet mushrooms, and mushroom compost will be fed to red wiggler worms, which, along with duckweed and algae, will provide food for tilapia in the greenhouse. Fish waste will be processed into plant food to grow salad greens.

Three Georgia Tech student groups—Georgia Tech Engineers Without Borders, Engineering Students for a Sustainable World and the Alpha Phi Omega service fraternity—are partnering on the construction.

Katie Wingrove, a third-year environmental engineering major, said she was excited to take part in the project because it touches on issues of social equality, economics, sustainable engineering and ecology.

"Arkfab could change the way people look at food in cities," she said. "The potential research ideas are piling up. However, the spirit of volunteerism and community building is the foundation of the project. Research and volunteerism are intertwined."

The structures will have solar panels and a system to collect rainwater. The gardens will provide as much as 500 pounds of fresh fish and vegetables per month to Atlanta families.

The team is a semifinalist in the Cleantech Open business competition. They're hoping to win the grand prize—\$250,000—to put toward building seven more Arkfab systems in other urban food deserts (areas with little or no access to healthy foods).

If they do win, Van Ginkel knows where to look for building materials.

"We'd like to take all of the waste tires in Atlanta and turn them into single-story, energy-efficient buildings," Van Ginkel said. "They look great, too, since the tires are covered with adobe. You don't even see the tires when the building is done." ▲

the BASELINE

18 percent fewer calories consumed by customers eating in dining areas with softer lighting and relaxing music, Georgia Tech and Cornell researchers found.



500-million-year-old Gene Evolves ... Again Maria Carter

Amphibians migrated to land. Primates developed opposable thumbs. Hard-beaked Galapagos finches outlived their competition. But what if those animals' evolutionary tracks had taken a different course?

We may never know the answer, but one group of Georgia Tech scientists hopes to gain some insight from experiments that mimic evolution.

In a mash-up that would make Dr. Moreau proud, researchers under the direction of associate professor of biology Eric Gaucher have revived a 500-million-year-old protein and spliced it into bacteria.

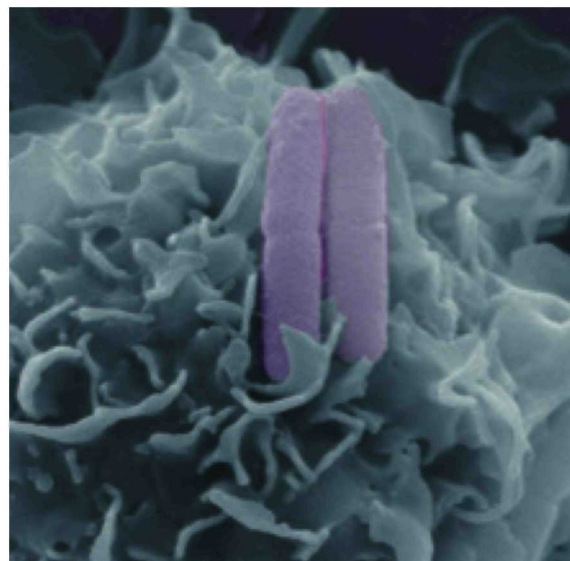
In 2008, Gaucher determined the ancestral genetic sequence of Elongation Factor-Tu (EF-Tu)—the most abundant protein expressed in cells, without which bacteria would die. And this year, using genetic analysis and molecular biology techniques, researchers under Gaucher inserted this ancestor protein into *Escherichia*

coli (*E. coli*), a bacteria known by most for its unpleasant associations with foodborne illness.

"We are replaying the tape for this protein and seeing whether we will obtain the same outcome in the laboratory as nature once did," said Betül Kacar, a NASA astrobiology postdoctoral fellow in Tech's NASA Center for Ribosomal Origins and Evolution. Kacar built on Gaucher's findings by producing eight identical strains of the bacterial hybrid, which originally grew much slower than its modern counterpart.

E. coli divides into new generations every 20 to 25 minutes, making genetic changes easy to track. After the first 500 generations, fitness levels of the experimental strains increased. Observing its growth has led Kacar and her fellow scientists to new discoveries about how cellular machinery works.

The Paleozoic era protein could have changed and accumulated mutations, but



so far it hasn't. Instead, the modern proteins that interact with the ancient EF-Tu inside of the bacteria have mutated, causing rapid adaptation and giving the bacteria a new evolutionary path. "If we understand how evolution works," Kacar says, "we can understand why things that we see right now happened that way in the first place. That's the big question we are asking here."



OF COURSE: EMERGENCY ROOM OF THE FUTURE

(ARCH 6271, BMED 8813, CS 8803, HS 8803, ID 8900; Fall 2012)

Instructors: Jeremy Ackerman (MD, assistant professor of emergency medicine, Emory University), David Cowan (program director and executive in residence at the Health Systems Institute), Ellen Yi-Luen Do (professor, joint appointments in School of Industrial Design & School of Interactive Computing), Craig Zimring (professor of architecture and psychology)

Syllabus says: "The course is mainly intended for the students to ... experience and learn techniques for successful interdisciplinary design" including "the importance of environment in the healing process."

Final Project: Presentation of refined, researched design that focuses on the needs of patients, families and caregivers in emergency health care settings.

2.3 economic impact, in billions of dollars per year, that Tech has on the state of Georgia.



14 consecutive years Tech has ranked among the top 10 public universities, according to *U.S. News and World Report*.



Students Earn Extra Credit on *The Internship*

 Rachael Maddux



It's hardly news that Tech students often spend their breaks working on internships. But this summer, a few took that to the next level. *The Internship*, a comedy starring Owen Wilson and Vince Vaughn, filmed on campus for several weeks in August, and some Tech students—and facilities—were recruited to help out.

"I found out about the extras call from a coworker [at a School of Aerospace Engineering research lab]. The casting company was posting several requests on Facebook for people fitting certain descriptions to be extras in the movie," said Vasu Manivannan, AE 07, MS AE

08, who's working toward his PhD. "I responded to one, and a few days later I received an email asking me to show up the following day to be an extra."

He looked up the movie's details on IMDb.com beforehand, so he knew the gist: Wilson and Vaughn play laid-off

40-somethings who find themselves at the bottom of the ladder at Google.

The atrium of the Clough Undergraduate Learning Commons and parts of the Klaus Computing building were transformed into Google headquarters for the shoot. At Clough, beanbag chairs and nap pods lined the walls, and fliers advertising activities for Google employees were taped onto doors; an adult-sized twisty slide was even installed on the second floor, replicating the real one Google employees zoom down at the company's Mountain View, Calif., offices.

Bike racks outside the buildings were fully stocked with brightly-colored Google Bikes—also an actual fixture at Google HQ.

This isn't the first time Tech's campus has appeared in a Hollywood flick. Most recently, scenes from *Trouble With the Curve*, starring Clint Eastwood and Justin Timberlake, were shot at Russ Chandler Stadium.

"I'd never been on a movie set, so everything was new to me," said Manivannan, who spent one day on the set of *The Internship*, filling in the background of shots with other extras, many of them fellow students. "It was cool to see how everything worked together behind the scenes."

He said that he didn't get to interact with either of the stars, and that the hours of waiting around between scenes got boring after a while.

"I have gained respect for people who do this for a living," he added.

After the Clough and Klaus sets were struck, filming resumed in California at the real-life Google headquarters. You can see Tech on the big screen—and maybe even a glimpse of Manivannan—when *The Internship* hits theaters sometime in 2013. ▲



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About 7,000 trees beautify Georgia Tech's 400-acre campus; the Arbor Day Foundation has honored Georgia Tech as a Tree Campus USA University for its dedication to campus forestry management and environmental stewardship. So if the campus's trees are under threat, there's a lot to lose.

By June 26, an arborist from the International Society of Arboriculture identified an infestation of Asian ambrosia beetles as the cause of the water oak's malady.

In the springtime, the female of the species bores into trees, depositing eggs and leaving fungus as a food supply for the larvae. When the hatched larvae grow to adulthood, they further cultivate the fungus, eventually sapping a tree's life.

Tech's facilities landscape manager Hyacinth Ide was particularly concerned upon learning the identity of the culprits.

"The Asian ambrosia beetle is a death sentence for most trees," he says. "There is no known effective treatment at this time. Infested trees must be removed immediately to avoid infesting other trees."

In addition to tree patient zero, the facilities department found infestations in a second water oak and a red oak and removed all three in late July.

"We removed the infested trees quickly, sprayed the remaining trees with Bifenthrin to protect them, and no other trees have been infected," Page says. "We think it is unlikely we'd have this problem next year, but we do plan to treat the remaining trees again next year to make sure."

Page estimates that the trees stretched about 60 feet high each, and while they'll be replaced with multiple 15-foot saplings, their absence is conspicuous.

"The removal of these trees is a great loss to our tree canopy," Ide says. "The removed trees will be replaced with shade trees equal to the total caliper removed. Even though the tree count will increase, it will take many years to reach the size of the removed canopy."

Ide estimates that the water oaks were about 80 years old and the red oak as old as 100. Given that red oaks can live up to 500 years, we should salute these bastions of Georgia Tech, cut down in their prime. ▲

Attack of the Tree-killing Beetles!

📍 Curt Holman

The Georgia Tech campus recently lost three old friends. For generations, the longtime campus fixtures had offered soothing shade to bystanders while providing snacks for squirrels. Alas, an unwelcome incursion of burrowing beetles cost the lives of three of the campus' trees, all predating World War II.

The first week in June, a Tech landscaping employee noticed something amiss at the south end of the Tech lawn, where the leaves of one of the towering water oaks were turning reddish brown, despite Autumn being months away. Warren Page, director of facilities operations and maintenance, realized the seriousness of an ailing tree.

"It was a significant event. We had to let everyone know what was going on right away," Page recalls.

the BASELINE

59,000

average starting salary, in dollars, of Tech grads, putting Tech atop *Smart Money's* list of best return on investment for students.



16

funding, in millions of dollars, Intel gave Tech for the Science and Technology Center for Social Computing.

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Students MOVE into Volunteering

Van Jensen

On Aug. 25, more than 200 Georgia Tech freshmen swarmed metro Atlanta to take part in 15 service projects.

The event, **Into the Streets**, was designed to get first-year students engaged in volunteering and build relationships beyond campus.

After the event, participants gathered at the Campanile and learned more about volunteer opportunities at Tech.

Into the Streets was organized by Mobilizing Opportunities for Volunteer Experience (known by the far-easier-to-remember acronym MOVE), an umbrella organization for community service and volunteering at Georgia Tech.

The group's president, Davina Morrow, a fourth-year chemical and biomolecular engineering major, joined MOVE as a freshman. She had been volunteering on her own at a few places, but she struggled to figure out travel plans to each site. Among the services that MOVE offers is coordinating transportation for groups of volunteers.

The organization is involved with a wide range of service projects. There are mentoring opportunities, fundraisers and hands-on projects. Students can work with large nonprofits or help with bingo night at a senior citizens home.

"We hope to increase the number of service projects, the number of hours of community service and the number of people participating in service projects this year," Morrow said. "I hope to reach out to more graduate students and Georgia Tech faculty as well."

Caroline Gwynn, a third-year science, technology and culture major, is vice president of projects for MOVE. Her brother has a mental disability, and when she saw a flier for MOVE's committee that works on disabilities-related projects, she got involved.

What she likes most about the organization is the breadth of its projects.



• Freshmen volunteer across Atlanta during Into the Streets.

"We have committees that work with many different groups: young people, senior citizens, the medical community, schools, the homeless, the disabled and more," Gwynn said. "And the beauty of MOVE is that because we are such a well-established organization, we have the ability to create new service opportunities and sustain them year after year. If a student comes to us with the desire to create a volunteer opportunity that doesn't currently exist at Georgia Tech, we can help them create that opportunity and we can ensure that it will continue even after that student graduates."

If the record number of students attending Into the Streets this year was any indication, MOVE can count on bigger things in its future. ▲

the BASELINE

0.56 average increase, in degrees Fahrenheit, in U.S. cities per decade, compared with a 0.29 increase in rural areas, Tech researchers found.



1.5 funding, in millions of dollars, the National Science Foundation awarded Tech as one of three I-Corp. institutions.



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–Debra Lovelace, KEMET



→ **MOBILE MUSIC TOUCH** **What is it?** A wirelessly controlled glove that vibrates a user's fingers to indicate which keys to play on a keyboard. It has also shown signs of improving sensation among patients with paralyzing spinal cord injuries. **Who made it?** Tanya Markow, PhD HCC 12, conducted the research with help from Thad Starner, an associate professor in the School of Interactive Computing; Ellen Yi-Luen Do, a professor in the Schools of Interactive Computing and Industrial Design; and Deborah Backus, director of multiple sclerosis research at Atlanta's Shepherd Center. The glove was initially built by Kevin Huang, MS CS 09. **What inspired it?** Huang developed the glove while a master's student as a tool to help people learn to play the piano. Starner saw it and knew it could have potential health benefits. **Why is it game changing?** A study of patients who suffered spinal cord injuries more than a year earlier showed that those who used the glove gained significant feeling. It's rare for anyone to regain sensation that long after an injury. "After using the glove, some participants were able to feel the texture of their bedsheets and clothes for the first time since their injury," Markow said.

the **BASELINE**
4

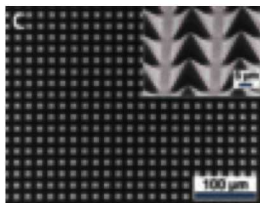
percent of DNA that's different between chimpanzees and humans, a fact at the center of disease research by Tech professor Soojin Yi.



1.2 funding, in millions of dollars, from the NSF for Tech to join the Physics of Living Systems Student Research Network.

PIEZOELECTRIC GENERATOR

What is it? A self-charging power cell that uses a piezoelectric membrane (material that expands or contracts when electricity is applied) to convert mechanical energy to chemical energy and store that power until it is released as electrical current. **Who made it?** Zhong Lin Wang, a Regents professor in the School of Materials Science and Engineering, with a team of students including Xinyu Xue, Sihong Wang, Wenxi Guo and Yan Zhang. **What inspired it?** While people have long assumed that electrical generation and storage must be separate, Wang believed they could be combined in a single unit.

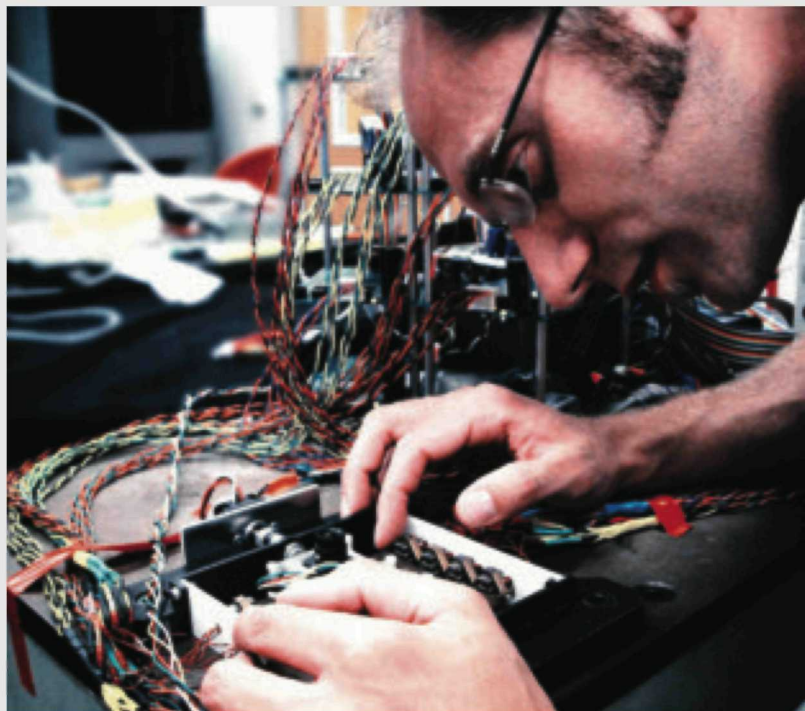


Why is it game changing? By eliminating the need to convert mechanical energy to electrical energy for charging a battery, the hybrid generator-storage cell can utilize mechanical energy more efficiently than systems using separate generators and batteries. It could harness a compressive force—like a shoe heel hitting pavement—to generate enough current to power a small calculator. “Almost anything that involves mechanical action could provide the strain needed for charging,” Wang said. “People walking could be generating electricity as they move.”

energy to electrical energy for charging a battery, the hybrid generator-storage cell can utilize mechanical energy more efficiently than systems using separate generators and batteries. It could harness a compressive force—like a shoe heel hitting pavement—to generate enough current to power a small calculator. “Almost anything that involves mechanical action could provide the strain needed for charging,” Wang said. “People walking could be generating electricity as they move.”



→ 3DM OTOSCAN **What is it?** Both a noninvasive scanner that can create a 3-D image of the inside of an ear and a super wide-angle otoscope. It is the only such device with high-definition output. **Who made it?** Brothers Karol Hatzilias, ME 04, and George Hatzilias, ME 98, a former faculty member at Tech. **What inspired it?** Previous methods to map out the inner ear involved making silicone impressions, which were invasive and potentially damaging. The brothers developed the scanner to offer a completely noninvasive scan of the ear and spun out a company, 3DM Systems, to produce the device. **Why is it game changing?** The 3-D scanner creates precise scans of the ear, allowing for perfectly designed custom hearing aids. It won the Best New Product award in the Audiology Solutions New Product Showcase at the annual conference of the American Academy of Audiology.



→ HUMAN-LIKE ROBOTIC EYE **What is it?** A system of piezoelectric materials, including a cellular actuator, that replicates the muscle motion of the human eye to control camera systems on robots. **Who made it?** Joshua Schultz, a PhD candidate, under the direction of Jun Ueda, an assistant professor in the School of Mechanical Engineering. **What inspired it?** Schultz said that many robotics systems are bio-inspired, so it was logical to replicate the musculature of the eye. **Why is it game changing?** The system will improve the accuracy of robots used in endeavors such as guided surgery and rehabilitation by making the robots' video feeds more intuitive. “Essentially, in the human eye muscles are controlled by neural impulses,” Schultz said. “Eventually, the actuators we are developing will be used to capture the kinematics and performance of the human eye.”

50 percent of prescription drugs from Southeast Asia found to be counterfeit, in a study cited by Tech researchers who developed a technology to quickly check a drug's authenticity.



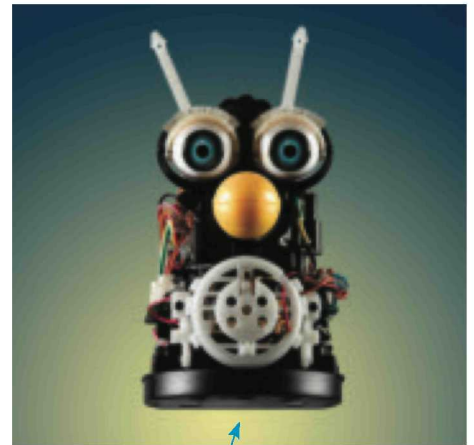


Van Jensen

Science on the Brain

In Steve Potter's office, two motifs quickly emerge: robots and brains. It's a fitting pairing. Potter is an associate professor of biomedical engineering and the director of the Institute's Laboratory for NeuroEngineering, and his research focuses on the intersection of neuroscience and engineering. Among his most noteworthy projects is the Hybrot, a culture of rat neurons connected to electrodes that can be stimulated to control a robot. Potter also has been recognized as a leader in education. This year he received the

University System of Georgia's top honor, the Regents' Award for Excellence in Teaching. Potter gave the *Alumni Magazine* a tour of his office in the Whitaker Building.



This is a de-furred Furby. I was dead curious what was inside. They don't have an off switch, so when I was cutting off the skin, it was saying, "Oh, this is fun!" Why is it so effective at convincing kids that it has a soul? Well, it looks like an animal. What happens if you add more and more features? Eventually it becomes closer to a person. I'm a mechanist, and so I think that humans just have a lot more mechanisms than a Furby does.

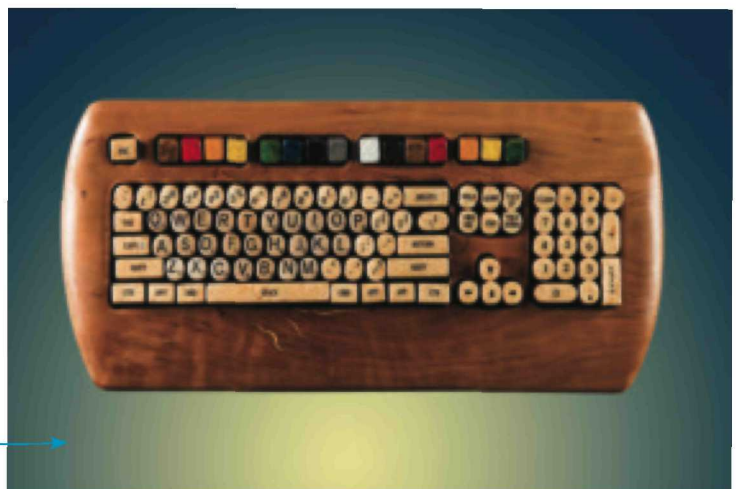
I used to research enzymes from cow brains, so I would have to drive to the slaughterhouse to pick up the brains. This was one that we didn't need, so I used formaldehyde and set it in resin to make a paperweight. Mostly in the lab we work with slices of rat brains in a petri dish, so this reminds me of brains as a real, intact thing.

My heroes [he points to a series of photos lining the office's window]. Those are people that inspire me. There are some pacifists, and neuro-philosophers like Hofstadter. Turing, who founded the whole field of artificial intelligence.

It's an overhead view of Arizona or New Mexico that I shot from a plane window [he points to a large aerial photo]. Thoughts are like water coming down. The clouds are the sensory input. Then there are ridges, and if the water comes down on this side, it goes this way. If it comes down the other side, it goes the other way. In our brains, if a thought goes one way, we might stay home from work. If it goes the other way, we go to work. So the ridges are like a decision mechanism in the brain. The question that we've been asking is: What's gravity in this metaphor?

I made my own keyboard. I carved the base out of a big block of cherry. The keys are maple, and the tops are Scrabble tiles. I found a company that sells old clacky keyboards and built it onto that. It really clacks, like the one I learned to program on. The keyboard took me over a year of weekends here and there. I had to engineer the systems for tooling the keys. There was a lot of trial and error.

This department is unique. Emory has fantastic neuroscientists. Georgia Tech has fantastic engineers. I consider myself a neuroscientist and an engineer, and I didn't want to give up either. I'm delighted to be in a place where I can do one on one day and the other the next. ▲





Alan Balfour, Author and Architecture Dean

Van Jensen

Architecture is often viewed as a balance between form and function. But as an architect, educator, administrator and author, Alan Balfour has shown there is more to the field; his work views architecture as the physical manifestation of a culture's ideas. Balfour recently announced that he will step down as dean of Tech's College of Architecture at the end of June 2013 but will continue in his role as a professor.

How did you know it was time to step down? We have done more than I would ever have thought possible. In truth I came to the end of my rolling agenda and knew it was time to pass the torch.

Of all that was accomplished in your tenure, what are you most proud of? First, the reformation of all the programs of the College into five strong, independent schools ... each with a distinct faculty and each either with or in the process of developing doctoral programs. Second is the creation of the Hinman studio ... a brilliant reconceptualization of the interior by the architect Nadir Tehrani and an ambitious stage for our students to imagine and shape the future.

What are your hopes for the future of the College? Each [school] has the potential to emerge as preeminent in their respective fields for one reason above all: They exist within one of the world's great engineering schools. If each continues to enhance their respective disciplines by building on the strengths of Georgia Tech, they will succeed.

Your writing often focuses on what buildings represent in a larger cultural sense. What do you hope the Hinman

building represents within the Georgia Tech campus? What I hope it can represent in the future is the emergence of a culture of creativity across all disciplines at Georgia Tech. This year we are celebrating the 60th anniversaries of three events—the opening of the Architecture Building (now called the East Architecture Building), and with it the formal establishment of programs of study in industrial design and planning. The new building and these new programs were formed to prepare students to build a progressive future—and it succeeded. The graduates from these programs changed the face of Atlanta and beyond. I hope the Hinman Building will be an equally effective instrument for the next 60 years.

Now that you'll be focusing more on teaching, what should students expect from your classes? With my freshman class, they should expect enthusiasm, even passion for creative thinking. I have a strong desire to make them highly conscious of the power of imagining. With my graduate class, which I am now preparing, they should expect some insights into finding a place in the confused though fertile field of architecture in these times.

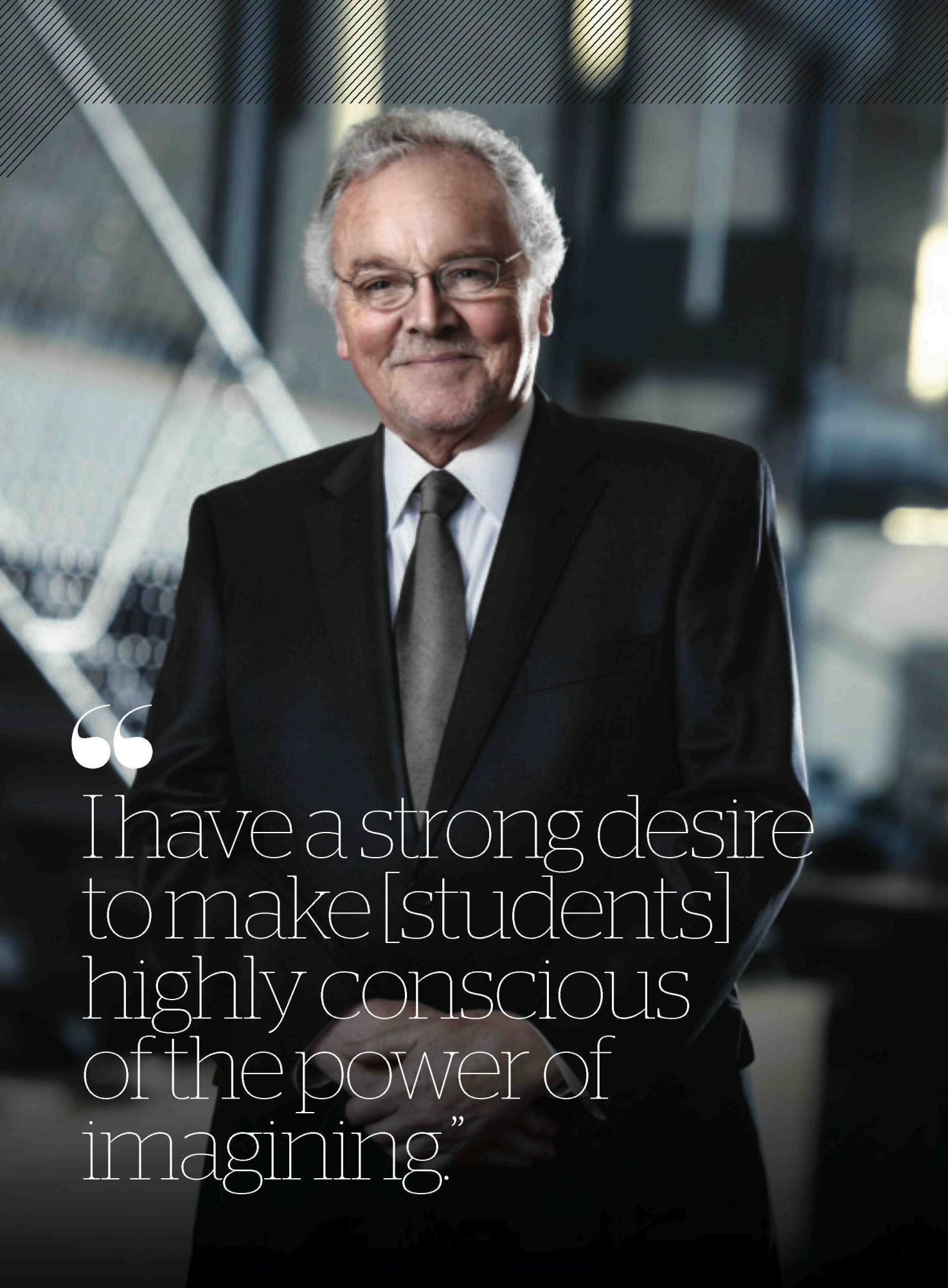
Your new book, *Solomon's Temple*, is coming out this fall. What drew you to that subject? I write cultural history from the evidence of building and cities, and some of my past writing has focused on settings of significant conflict examining the underlying causes. Temple Mount, on which Solomon's Temple once stood, is in many ways a most dangerous place and at the heart of the Middle East conflict.

You've written on a wide variety of topics. Is there anything that you haven't tackled yet but have plans to write about? There are several ideas I am now exploring around the theme of the failure of idealized reality.

What are you reading now? W. G. Sebald, *The Rings of Saturn*; Patrick Michael Leigh Fermor, *A Time of Gifts: On Foot to Constantinople: From the Hook of Holland to the Middle Danube*; *Scarp* by Nick Papadimitriou. They're all in some way related to the theme above.

Are there any ongoing architectural projects that you find particularly compelling? Staying local, I believe the Atlanta Beltline will be a marvelous compliment to the city.

What do you think the current trends in architecture and construction say about where the world is headed? In many different directions, some good, some troubling. What is generally true is that we no longer seem to be able to look 50 or a hundred years into the future, and our responses to major problems like resource depletion, poverty, increasing urbanization, are vague at best, but mostly absent. ▲



“

I have a strong desire
to make [students]
highly conscious
of the power of
imagining.”



McRae Pulls Double Duty for Jackets

In addition to his platooning at both the center and guard positions for the Yellow Jackets football team, Nick McRae is splitting time between athletics and graduate school. McRae earned his bachelor's in management in August—but, with a fifth season of eligibility, he decided to start working on another degree while continuing his playing career.



Why did you come to Tech?

Because of the great education and the great football tradition they have here.

What's your favorite memory from your time with the Yellow Jackets?

One of my favorite memories was the victory over Clemson in 2011.

What hobbies do you have outside of football?

Basketball, reading and video games.

Who's the toughest player you've

gone up against? I think that would have to be Brandon Thompson from Clemson.

What's your favorite movie?

Life.

What are you listening to right now?

Big K.R.I.T.

What are your plans after college?

I hope to be working for a prominent company in their marketing department or as an account manager. Also I plan on eventually going back to school to get my MBA.



FROM ACC TO CSI

Kaylee Isaacs, a first-year biology major, has her future planned: Help the Tech cross country team to dominate the ACC, graduate and then work as a forensic scientist.

Why did you come to Tech? The excellent academics, coaching staff and the sweet group of girls I met while visiting made Tech the obvious choice for me.

What's your favorite memory from your time with the Yellow Jackets?

On Sept. 14, I ran my first collegiate race as a Yellow Jacket at the Virginia Tech Invitational. The best part was beating Wake Forest by one point, giving us a second-place finish.

What's your favorite movie?

The Hunger Games, Taken, Casino Royale and The Notebook.

What are you listening to right now?

I love to listen to country music and '80s music.

What was it like hiking the Grand Canyon this past summer?

It was so beautiful, and it was incredible getting to be exposed to some of the native Indian tribes' cultures.

What are your plans after college?

After I graduate, I hope to work for the GBI or FBI as a forensic scientist.

the BASELINE

9 consecutive home wins to open the season for the Georgia Tech volleyball team, which also started out 4-0 in ACC play.



66 score by junior Seth Reeves on the final day of the PING-Golfweek Preview Championship, to help Tech's golfers tie for first place.

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The Hard Way

MaChelle Joseph took no shortcuts in building the Yellow Jackets into a national power

Jeff Haws

It wasn't what she expected to hear.

"Everything she was saying was, 'You're not going to come here and start,'" said former Georgia Tech women's basketball star Sasha Goodlett, HTS 12, on her first conversation with coach MaChelle Joseph. "'You're going to have to earn it.'"

Joseph has given that sales pitch to recruits since arriving on the Flats as an assistant for the 2001-02 season, drawing in players by fueling their love for the game, not their egos.

The program was not an easy sell back then. The Yellow Jackets had only two NCAA Tournament appearances in the program's history, and there was little reason to think big things were on the horizon after Joseph took over for Agnus Berenato before the 2003-04 season.

On the phone that day, Goodlett might not have heard the words she expected or wanted to hear, but they were the ones she needed.

"Every other college was telling me how they'd run their program through me," said Goodlett, who helped the team to the NCAA Tournament's Sweet 16 round last season. "[Joseph] said, 'No

one's bigger than this program; you'll have to adjust to us. The only thing you have to know how to do is persevere.'"

Building a Program

It wasn't easy for Joseph to look at a 41-44 record on her resume. But three seasons into the job, that's where she stood. She was the coach of a program with little history, but she was laying the foundation for what was to come.

"Those first three years were really tough, but I knew what we were trying to do," Joseph said. "It was one brick at a time, one layer at a time. We got Alex Montgomery [Cl 11], a top-20 player; that was the first one. You start getting pieces fitting."

Those pieces weren't easy to attract. Players had to buy into Joseph's vision of a sea change, a chance to lead the program to a presence on the national stage. Joseph believed it could happen, and she made the players believe as well.

"All the players were offering on blind faith," Joseph said. "They hadn't seen it. Everybody just had to trust what I was saying. Now that we have played for a [conference] championship, those things now have happened. It's not as hard for these seven [new] freshmen to believe we can have that team at Georgia Tech."

Now nine years into the process, Joseph's lofty goals have become reality. The Yellow Jackets have six straight 20-win seasons, along with six consecutive NCAA Tournament appearances. The team opened up the new McCamish Pavilion on Nov. 11 against national power Tennessee.

Tough Love

The success and player development Joseph initiated at Georgia Tech haven't come with a smile and a polite pat on the back. They've been born of hard work, sweat and grueling practices.

"She's trying to push me to reach a higher potential now," said guard Ty Marshall, who was a second-team All-ACC selection last year as a sophomore. "Coming to college and having a coach who's very passionate and very aggressive has been an adjustment for me. It's really tough love."

It's a sentiment echoed by Goodlett, who found out there were no off days on Joseph's court.

"That's just coach Jo—she's the type of coach who's going to fight to get the best out of you," Goodlett said. "You could have a bad day or a great day or whatever. Even last year, my senior year, I'm not having a good practice, and she's yelling at me. I'd say, 'Coach, it's just a practice.' She said, 'No, I have to get the best out of you.'"

Joseph says there's a good reason she won't let anyone—veteran or freshman—take it easy during practice. It's why Goodlett is now playing in the WNBA. It's why Joseph is on pace to become Georgia Tech's all-time winningest coach within the next two seasons. Because all the work translates to game day.

"I was exposed to a lot of different coaches and a lot of different styles," Joseph said. "One of my things has been to make practices harder than a game. If I put a lot of pressure on them to perform, they're going to embrace it." ▲

the BASELINE

53.05

seconds sophomore swimmer Nico van Duijn took to finish the 100 fly at the 2012 U.S. Open, setting a new Swiss national record.



22.8

yards per carry averaged by senior A-back Orwin Smith in the Jackets' 56-20 win over Virginia.



“

Those first three years were really tough, but I knew what we were trying to do.”



Bobby Dodd Statue Unveiled

📍 Van Jensen

The glee club sang. Buzz wandered around and caused his usual mischief. And former Yellow Jackets football teammates traded memories of their time playing under coach Bobby Dodd. Then, for the first time since he passed away in 1988, Dodd appeared

outside of the stadium that bears his name.



Dodd's Boys—a nonprofit created by Dodd's former players—unveiled a statue of their old coach on the north side of the stadium. “This is a very, very special day on The Flats,” said Dan Radakovich, Tech’s then-director of athletics. “This statue is the culmination of more than 18 months of work by the Dodd’s Boys. They’re the closest knit, most involved group of alumni I know.”

Dodd coached at Tech from 1945 to 1966 and led the Yellow Jackets to the 1952 national championship. He served as director of athletics from 1950 to 1976. For all of Dodd’s gridiron accomplishments, Tech President G. P. “Bud” Peterson reminded those gathered at the unveiling that Dodd focused just as much on how his players developed off of the field.

“Dodd understood the importance of investing in people,” Peterson said at the unveiling. “It wasn’t just about winning games; it was about preparing them to be winners for the rest of their lives.”

Taz Anderson, IM 61, was an All-American fullback at Tech and serves as president of Dodd’s Boys. He said it took a group effort to get the statue finished. Dozens of former players contributed to the project. “It takes a team to do something like this,” Anderson said. “I want to thank you, Dodd’s Boys. You were there when we needed you.”

With that, the sheet covering the statue was pulled free, and the crowd went wild. ▲

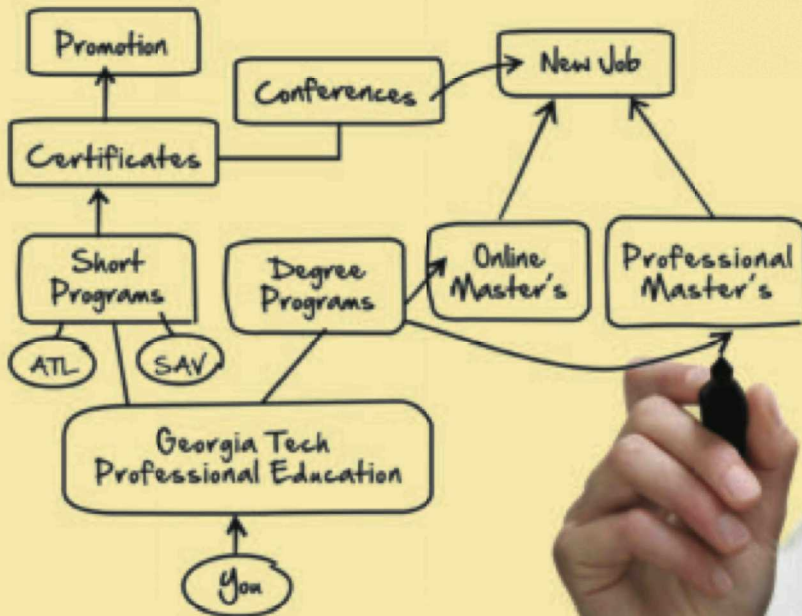
the BASELINE

22:35 time, in minutes, needed by sophomore Katie Townsend to finish the 6K cross country race at the Virginia Tech Invitational. The Yellow Jackets came in second overall.



165 wins by Tech under coach Bobby Dodd, against only 64 losses.

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Dollars & Sense: Kristin Allin

Rachael Maddux

Kristin Allin doesn't remember much of 2010. She was running a restaurant—Cakes & Ale, which she opened in 2008 in Decatur, Ga., with her husband, Billy—while managing the renovation of its new location, plus developing a neighboring bakery enterprise.

But she does remember the moment her contractor showed her the mural his crew had uncovered in the soon-to-be-bakery space, a peeling, two-story advertisement, painted a century before and hidden for years under plywood and plaster. “Mrs. Teele’s Home Bakery,” it read. “Breads, Rolls, and Biscuits ... Cakes and Desserts.” In that moment, all the chaos seemed like fate.

These days, Allin, IE 97, is far less harried, and Cakes & Ale is an established favorite among Atlanta foodies. *Bon Appetit* is a fan, too; the revered magazine named the Allins’ place one of the Best New Restaurants of 2009 and was so excited about the bakery addition they went for second helpings in 2012.

Over a mug of coffee and a house-made carrot muffin, the *Alumni Magazine* talked with Allin about her path from Ramblin’ Wreck to restaurateur.

How did Cakes & Ale come about? After school I started with the Eaton Corporation. I did sales and marketing, then got my MBA and did management for the West Coast. Billy went to culinary school when I was doing sales. I just felt like I needed a change. I worked for a winery, and then I got pregnant and we decided to move back to Georgia. Billy had always wanted a restaurant, and I have always loved to entertain. We thought, “This is what we love. This is what we want to do.”

What did starting the business involve?

We spent almost a year planning—doing our business plan, researching, traveling and looking at what other people were doing, finding a space, finding an architect, doing the plans, getting all of our permits. We wanted a spot that felt like what we loved when we were in San Francisco: pristine food and pristine ingredients, but casual.

We had a good bit of savings and Billy had been in money management, so we were able to finance our own business, which was a huge advantage. We could start it the way that we wanted and take our time trying to get all the financials right and not cut any service or cost or quality. You cannot start underfunded.

After you opened, the economy tanked. Were you worried?

It definitely worried us. I’d say for three months we pitched in to keep it going, which was not easy, but we felt like if we lost people it would be worse in the long run. Even though we’re a small business we always look at what big businesses do, and in hard times these businesses do what they have to do to stay relevant and hope that the cash flow is going to come. I feel like we made the right decision, but it was scary.

Tell me about the farmers you work with. They email us a list once a week of

what they’re ready to bring to market, then Billy develops a menu around that. They come in their scrubs and gardening hats with their eggs and their chicken and their produce, and they bring it to our back door. It’s a lot of fun. We also supplement with our own garden, which is only about five to 10 percent of our produce. Sometimes we’ll have neighbors say, “I’ve got figs from my tree—can I bring them in?” We’ll do a gift-card trade. It’s something I never could have had in a big corporate business, that connection.

Are you a hands-on manager?

I love managing my employees and I want to stick close to them. I think sitting down face to face is really important. We do reviews about twice a year. I get feedback from them. They know we’re connected, and they see me here all the time. We don’t have employees flaking out, because they see us working, and I think that translates down through the whole staff. When we started we just looked for personality, but now we’re at a point where we don’t really have time to train. We have to get people in here who can get in and run with the job.

Would you expand beyond the current space?

Our landlord laughs at us—he has a lot of restaurants all over Atlanta, and we’re the only one that doesn’t want to serve too many people. He always says, “I don’t get you guys. I don’t know why you don’t want to serve more people.” But Billy says, “I cannot do my food right if I serve too many people.” So we limit the seating. We know from experience that to do what we want to do and to keep the quality high, we have to limit it. And financially we’re never going to make as much money as some other restaurants because we’d have to compromise. Our plan for growth would be horizontal, having a few other businesses. Our bartender would love to do a wine shop, a bar and wine shop, so maybe one day we’ll do that. ▲



“

We were able to finance our own business, which was a huge advantage.”



Brad Edelman's Shoulder Rehabilitation Exoskeleton

Van Jensen

After Brad Edelman, Mgt 73, had a shoulder joint replaced, physical therapy wasn't aiding his recovery like he wanted. Edelman figured if he could keep his arm held upward for a prolonged period of time, it would stretch the ligaments and tendons and extend his range of motion. Because no device exists to accomplish that, Edelman decided to piece one together. Here's how.



→ The top horizontal section of the backpack frame was cracked, and I replaced it with a foot-long turnbuckle that had two closed-loop eyelets at either end. I slid the two open-ended vertical side bars of the old frame through the eyelets.

→ The suspended bar provides multiple hand placements to provide different shoulder stretches and alleviate the fatigue that will develop if you remain in a single position. The bar consists of copper tubing shaped into a rectangular pattern, a rubber-insulated cable clamp and a heavy duty coupler and a corner pull elbow—one on each side—connecting the copper tubing to the frame.

→ Each of the corner pull elbows are embedded in a stout coupler through screw-in pipe threads. A strong coupler was required to handle the considerable downward force exerted onto the suspended bar.

→ The vertical backbone component keeps the suspended bar locked in place. A three-foot section of PVC is the de facto backbone. At the top of the PVC, I drilled a hole and placed an eyelet bolt and secured it by a lock nut. This eyelet is essentially a pulley that supports the movement and positioning of a nylon-coated wire. The wire serves as a detent, stopping the downward movement of the suspended bar. One end of this wire is inserted into a rubber clamp situated at the mid-point of the suspended bar, and it is held in place by a wire rope clip. It then passes through

the eyebolt. The other end of this wire is connected to a small metal plate by means of another wire rope clip. The metal plate attaches to the PVC at one of four coarse coupling nuts.

→ Those coupling nuts are placed in the PVC, each six inches apart from one another. Each coupling position corresponds to a different angle that the suspended bar can be held at. The highest positioning of the bar will equate to the greatest upward angle. The small rectangular metal plate is the connecting piece between the nylon-coated wire and the screw knob. It has two drilled holes in it. Through the top hole, the nylon-coated wire is held into place by a wire rope clip. The bottom hole is where I inserted the screw knob and twisted it into one of the four coupling nut positions.

The design was done to allow me to stretch while walking, and walking with the exoskeleton really aided in the recuperation of my shoulders.

This "hack" is a very rough prototype, and perhaps a commercial-ready version could be produced. It would be great indeed if I could contribute to Georgia Tech's list of creative inventions. ▲

Have a Tech Hack of your own to share? Send details to Editor, *Georgia Tech Alumni Magazine*, 190 North Ave. NW, Atlanta, GA 30313, or publications@gtalumni.org. Entries will be selected for publication in the magazine and at gtalumnimag.com.



EDELMAN'S DESIGN INCLUDED FOUR MAIN COMPONENTS:

- 1.** An old bare-framed Kelty backpack.
- 2.** A half-inch diameter copper pipe fabricated into a rectangular shape.
- 3.** A 3-foot section of 1.5-inch diameter PVC.
- 4.** A 2.5-foot piece of nylon-coated wire.

4

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Georgia Tech's Foray Into Online Education Brings Mixed Emotions



In our August issue (Vol. 88, No. 3), we looked at Tech's efforts to enter the world of online education, including a partnership with the startup Coursera to make several classes available online.

That news sparked a wide-ranging discussion, with many lauding Tech for staying at the forefront of technology. Others expressed concern about the cost of the effort, and whether it would devalue the traditional classroom experience. Tech held a town hall meeting in September to allow people to ask questions and voice concerns. "I'm hoping that everyone has an opinion that they will share. Bring us your ideas, questions and criticisms," said Rich DeMillo, PhD ICS 72, director of Tech's Center for 21st Century Universities. Here are some of the responses we've heard.

“

I like the stuff I've seen about the 'flip' method of classroom where students get the subject matter at night online and the teacher spends time individually during the day. Technology is evolving so rapidly there will be means and usage that we haven't figured out.

Something like a GT chemistry class with 100-plus students in a stadium classroom can be replaced by another, more effective structure. All that said, 18 to 22 year olds need to be in classrooms and social environments where they can grow up. I don't see how that will ever be totally replaced effectively.

Neal McEwen, IE 71,
chief financial officer of Vertical Acuity

”

“In designing this course, I recognize that I’m not teaching an accredited Georgia Tech course. Instead, I’m trying to take a portion of what I usually teach and make it accessible to a broad group.” Tucker Balch, ICS 84, PhD CS 98, associate professor of interactive computing who is teaching an online class available via Coursera (Computational Investing, Part I)

“In my time on campus we would often talk about Georgia Tech and its differentiators—positive and negative—from Stanford and the Ivies. Georgia Tech has the tendency, at times, to be an academic community for its students as opposed to an intellectual one. It’s important that we continue to develop the strong intellectual community. Knowledge is easy to obtain, but that kind of environment is extremely difficult to create successfully.” Anu Parvatiyar, BME 08, engineer with C. R. Bard and member of the Alumni Association Board of Trustees

“This decision for the Institute is a courageous and necessary step for Tech’s reputation. ... Joining Coursera and sharing free Tech courses will not only help Tech improve its technology focus on education, but will also increase Tech’s international and national visibility as

a top-tier institution. ... Tech students are not required to take these courses, but the project promotes the ideal that sharing knowledge is powerful and can broaden horizons.” Alex Sohani, fifth-year industrial engineering major, in a *Technique* op-ed

“Online education is a tremendously efficient way to deliver an experience that is at least as good as a bad professor. Used carefully, I believe it can be a support to students. But if my students can get just as much from me with me not intimately involved, then shame on me. It would be great if the majority of the teaching at Tech was so dynamic, so personal and so intense that the thought of anything other than a live, in-person performance was unfathomable.”

Nate Bennett, PhD Mgt 89, professor of management at Georgia State University and member of the Alumni Association Board of Trustees

“The model of the ‘back-to-the-class lecture,’ with writing on the board substituted for teaching, was outdated in 1972 and is rotten in 2012. Using technology to deliver the basic content and save the professor’s interaction with students for inspiration and understanding the sticky parts is a model that makes more sense. Our alumni have enough experience standing before a Tech class on a practical topic and watching the lights in their eyes go on as they ‘get it’ We know it is a rewarding experience for everyone.” Meade Sutterfield, EE 72, president of SSPCS Corporation and member of the Georgia Tech engineering advisory board

“Today’s student in a college environment can be expected to customize his learning on his own if he needs clarification or motivation or a different presentation style. Students in a learning community can discuss aspects with each other, even if the instruction is just digital. I for one do not see the great disadvantage of online instruction, particularly if it is a part of a learning community such as Georgia Tech, or any other collection of students interested in similar subjects.” Clay Sparrow, Phys 68, partner at the Seyfarth Shaw law firm

”



'Nobody Had Seen Anything Like That'

Bill Chastain, IM 79

Jackrabbit is sportswriter Bill Chastain's chronicle of the life of Clint Castleberry, one of Tech's all-time greatest players, whose life was cut short in World War II. In this excerpt (the book is out now), Chastain, IM 79, zooms in on Castleberry's star-making plays in Tech's clash against Navy in 1942.

One play can define an athlete. At that moment, every movement falls into place and for a fleeting instant, that athlete attains perfection, capturing the minds of those who witnessed the play or for those listening on the radio, creating a blank canvas for which to fill in the details the way they wanted to remember the play. Legions of Clint Castleberry fans were born shortly after the Wee Jackrabbit ran onto the field, leaving Coach Aleck standing on the Tech sideline.

Navy tailback Al Cameron took the snap at the right hash mark and got himself into position to throw toward the end zone. Like most great athletes, Castleberry possessed a keen awareness of where the ball was at all times and this play was no exception. Recognizing the direction of Cameron's pass, Castleberry broke for the ball, stepping in front of the Navy receiver at the five-yard line to snatch the pass from mid air at the last instant. Then the Jackrabbit's magic took over.

They listened from coast to coast in the United States. They listened in the European Theater and in the Pacific. What they heard:

Second quarter, still 0-0. Navy in an obvious passing situation. Long pass.

Intercepted by Castleberry at the Tech five...

A roar of crowd noise followed. Navy had been knocking on the door to score the first points of the game and suddenly the partisan Navy crowd pleaded for one

of the Middies' eleven to put a stop to the return.

Castleberry initially made a lateral cut to his left to elude the intended receiver then he broke back across the field to his right at an angle toward the sideline, switching the ball to his right hand as he went to avoid having the ball stripped. Great backs can see daylight and recognize where an opening is about to develop. Castleberry possessed that ability and darted back toward the middle of the field once he reached the Tech thirty. Harvey Hardy made a tremendous block against the final Navy defender at midfield. By the time Castleberry stopped running he had crossed into the end zone standing for a ninety-five yard touchdown.

"That run was a thing of beauty," Crawford said. "Nobody had ever seen anything like it."

Dodd threw his fedora down on the ground and grabbed Castleberry as the entire Tech sideline celebrated the play. In stark contrast, Navy looked deflated.

"I had no idea when I caught that pass that I'd get anywhere," said Castleberry in an interview with the United Press International. "But I picked up some good blocking ... and not a man touched me."



By the end of Tech's 21-0 rout, Castleberry had added three batted-down passes with Navy about to score, and an electrifying fifty-one yard run on the final play of the game. Dodd called the interception return against Navy Castleberry's "greatest" play while offering his own description of what happened.

"Near the end of a scoreless first half, the Middies marched to our twenty-yard line with blood in their eyes. They flipped a pass right to the goal line. Clint intercepted it and ran it back the entire length of the field for a touchdown—a magnificent run that I can still follow step by step in my mind. It shook Navy to its keel, and Tech won, 21-0." ▲

The Leadership Circle is the cornerstone of Roll Call, Georgia Tech's annual fund. By becoming a member of the Leadership Circle, you help ensure Tech's prominence and adaptability in an ever-changing world.

Join one of our leadership giving clubs and enjoy benefits such as a limited edition tie or scarf and an invitation to the annual President's Dinner.

A tradition of leadership has evolved at the Georgia Institute of Technology over many generations ... we hope you'll join us.

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"We give back in appreciation for what Georgia Tech enabled us to achieve and so others can benefit from the knowledge, skills, and experience that Tech provides."

- JOCELYN M. STARGEL IE '82, MS IE '86 AND ROBERT N. STARGEL, JR. EE '83
(EXECUTIVE COMMITTEE MEMBER, GEORGIA TECH ALUMNI ASSOCIATION BOARD OF TRUSTEES)
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Death Becomes Her

 Rachael Maddux

Erin Whitaker, ChE 99, thought she had it all figured out. After getting out of Tech, she worked for eight years at Eastman Kodak in New York and Colorado, then high-tailed it to Vienna with the University of South Carolina's international MBA program. Before moving to Charlotte, N.C., to start work with Bank of America, though, she found herself working part time at the funeral home her family had owned in Newberry, S.C., for decades.

That was in 2008. Now a third-generation funeral home director, she couldn't be more surprised at the detour her career has taken—and she couldn't love it more. “The reward and satisfaction you get out of helping a family, these families, your community—I mean, these are people I grew up with,” she says. “It gives back to me more than I could ever give to this profession.”

No average day Your day could start from an hour after you leave work and carry right over into the next day if you get a death call or have to make a removal in the evening. It could be 2 a.m. that it starts, it could be 4 a.m., it could be 6 a.m. There's office work that has to be done, decisions that have to be made for the business, and if I'm not working a service I'm usually focused on that. I could be meeting with a family and then working at a funeral service and then coming back for a visitation that evening. What you learn to do is prioritize what has to get done to make sure you do that, then you learn how to fill the time in between services, making sure the next time you do get a call your bills aren't late.

A family affair My grandfather started Whitaker Funeral Home, and my father took over the business. My mother's licensed as well. I'm technically a third

Name: Erin Whitaker
Degree: Chemical engineering, 1999
Title: Funeral director at Whitaker Funeral Home
Years on the Job: Four

generation. I have three sisters, none of whom have shown any interest in working in the funeral home. And I'll tell you, when I left from high school I wanted absolutely nothing to do with this. I wanted to get away and go.

Keep it together We never become numb to it. I have to not tuck emotions away, but learn to deal with them. I've sat at the back of a funeral and cried before. It does affect us in different ways. I have a family who understands. Even though my sisters aren't involved in the industry, they grew up with it. I question God. I'll be honest—I don't understand things. Death is something I wish we didn't have, but it's a part of life. I can't change the world on a grand scale, but for a moment, by understanding the family and what they need, I can change their world and make it a little bit better. And the other side of it is, I get to see tremendous amounts of love. You get to hear stories that are hilarious that a lot of people don't get to know. I get invited in,

sometimes for a day, sometimes for a few days, sometimes for a lifetime.

All for love Life is about the love we share with one another. None of us want to hurt, none of us want our loved ones to hurt. The truth is, if we don't love someone, then we don't miss them when they're gone. We wouldn't want to give up that love, so we accept the pain of missing them and hold onto that love to help us through the tough times.

Unusual suspect You meet someone on an airplane and they say, “What do you do?” You say “funeral director,” and it's very interesting to watch their face because they're not sure how to respond. I think that it's less that I'm a female and more that I'm just a funeral director. And then if they find out I have a chemical engineering degree from Georgia Tech, they're kinda like, “OK, what?”

Winding road Life takes you on a path and we have to go with it, and mine brought me back home. It's wonderful, but I wouldn't have been happy coming straight out of high school into this role. I needed to go away and experience all that I did. I cannot foresee me doing anything else. There's nothing out there that I want to do. I truly love and am very passionate about what I do. But, that being said, I know that life is about change. I would never say never, only because I don't know where my life is going. I never thought it was taking me to Atlanta, I sure never thought it was taking me to Rochester, N.Y., in the cold winter, Colorado, Vienna, Austria, then back to Newberry. For me to ever think I could plan that part out, I'd be crazy. ▲

Know a Ramblin' Wreck with a fascinating job? Tell us all about their interesting career at publications@gtalumni.org.



“

We never
become
numb to it.”

...and
SERVICE

Georgia Tech alumni are fulfilling *the* Institute's mission *to* help those *in* need

By Van Jensen Illustrations by Jesse Lefkowitz

On the official seal of the Georgia Institute of Technology, three words are prominently featured: “**Progress and Service.**” Tech is widely known for embodying the first half of that motto. While the second half of the motto, “... and Service,” might not get as much attention, it has always been central to Georgia Tech’s identity.



The impetus on service is stressed in Tech’s current mission statement: “We will be leaders in improving the human condition in Georgia, the United States and around the globe.” The Institute’s alumni play a huge role in that ambitious effort. They volunteer as teachers and mentors. They rebuild after natural disasters. They take part in TEAM Buzz community service projects. They raise funds for medical research and the Roll Call annual fund. We put a call out to our alumni, asking for their stories of exceptional service projects. And, as we expected, our inbox was flooded with suggestions. Here, we highlight some of those stories. **Share your own at gtalumnimag.com/service.**



TECH

Trekking for Kids

Over dinner at a Thai restaurant in Atlanta's Virginia Highland neighborhood in early 2005, Jose Montero, IE 95, and some friends were discussing a planned hiking excursion to Peru's Inca Trail. While Montero was excited for the trip, something had been nagging at him.



The group all worked at multinational corporations and spent much of their time in the developing world—Montero worked for The Coca-Cola Company at the time—and often went on such adventures.

Often while touring around other countries, he felt guilty for enjoying the physical beauty while the local people lived in extreme poverty.

"I said, 'We're going to have a great time, but we're going to go and nothing's going to change,'" Montero told his friends. "And I said, 'What if we do something?'"

Montero went home and thought about the idea. He wanted to help the people who most needed support. "The answer was right under my eyes," he says.

Montero's father was an orphan of the Spanish civil war and had suffered through extreme hardships before finally immigrating to the United States.

Above: Two trekkers stand atop Uhuru Peak. **Far right:** Jose Montero shares a smile with a blind orphan.

Montero's mother is a Cuban refugee.

"It was always in my life—the hardship my father endured," Montero said of his father's past. "We're a very humble family. We did not grow up with an abundant means. We grew up in Atlanta living the immigrant story."

Montero found an orphanage for blind children in Cusco, Peru, and began raising money. At the same time, he filed with the IRS to create a non-profit, and Trekking for Kids was born.

Instead of simply raising money for the children, Montero and his partners in the endeavor wanted to give the orphanage high-end infrastructure. "We want to give these orphanages a boost that's sustainable," he said.

They raised \$16,500. The group then spent four days hiking the trail in

May 2005 and visited Machu Picchu. Then they traveled to Cusco, where their funding had been used to procure Braille typewriters, toys, sports equipment and food for the 100 children living at El Hogar de Niños Ciegos orphanage.

It was an unbelievable start to the organization, Montero said, but he wanted to do even more. The next year, a group of 40 took part in a hike on the Inca Trail, and they raised \$50,000.

Now, seven years after the initial hike, Trekking for Kids has hosted 16 expeditions on five continents and has raised nearly \$600,000. Montero just brought on an executive director to help manage the organization. Its leadership also has a strong Georgia Tech contingent: Annie Anton, ICS 90, MS ICS 92, PhD CS 97, chair of Tech's School of Interactive Computing, is its corporate secretary; Raul Pino, EE 89, MS EE 90, is its chief information officer and head of social media; and Joaquin Davila, MS ME 68, began serving as the



“elder statesman” after recently retiring from Coca-Cola.

Most of the group’s leaders are volunteers, including Montero, its chairman.

Two years ago, the Trekking for Kids excursion to the Mount Everest base camp in Nepal was featured in *National Geographic’s* top 50 trips of a lifetime. The group had so many people sign up that they had to add a second trip.

They’re also expanding into new areas. Last year they hosted their first college trek, an alternative spring break for students from the University of Louisville. Montero said he’d love to have more Ramblin’ Wrecks—alumni and students—come on trips. The expeditions are for amateur hikers who need only to be “somewhat physically fit,” he said.

Trekking for Kids now is exploring other potential alliances as Montero builds the organization into “the brand name for purpose-driven adventure.”

The big draw is that travelers see some of the most stunning places in the world, and they also see firsthand how they’re making a difference. By the time the trekkers arrive at the orphanage, the funds they’ve raised have already been put to use. Typically, those who go on the trip are able to put the finishing touches on the project.

“That goes a long way with our donors, because they see what their money has gone to,” Montero said.

Service was always important to Montero. While at Tech he was a member of ODK and, as president of ANAK, worked to establish the group’s honor code. “I’ve been very blessed,” he said. “I have a lot to be thankful for, so I wanted to find a way to give back.”

Out of the many unforgettable experiences that have come since Montero started Trekking for Kids, the most memorable was bringing his father along on trips and having him serve as the organization’s honorary chairman until he passed away in 2007.

“It was very emotional to see him with the kids,” Montero said. “He loved it. My last conversation with him, he talked about how we had to keep Trekking for Kids going. It was very special.”



FINDING THE NEXT CHESS PHENOM... IN INNER-CITY WASHINGTON, D.C.



AFTER EARNING AN MBA FROM HARVARD, Anthony Priest, EE 88, MS IE 90, launched into a promising career in business. But, concerned about the state of education, Priest dropped out and embarked on a new career: as a high school math and science teacher at an inner-city Washington, D.C., high school. Last year, to overcome the challenge of engaging students in the subjects, Priest pulled out his ace in the hole: chess.

The school’s new chess club quickly took off, with students eager to sign up. Priest, who also recently started a nonprofit to support the city’s high school robotics clubs, took his team of chess rookies to the 2011 National High School Chess Championships in Minneapolis, Minn. Here, he recounts the trip.

Our five students from McKinley Technology High School were among the more than 1,300 students from across the nation who had come to the Twin Cities to compete.

At noon on Friday, the opening ceremonies set the pieces in motion. Four of the McKinley students competed in the unranked division; one had played in enough prior tournaments to have earned a rating and competed in a ranked grouping. Having never competed at this level, we expected a case of first-round jitters, but the team won two, lost two and had one draw. This was promising.

The second round was truly amazing, as all five of the McKinley students won their pairings. Saturday morning, we sauntered to the arena to find we were on the leader board in fifth place. The team continued to roll in round three, going a combined 4-1. These early wins added up and vaulted the team into second place. However, as a player wins they move up the rankings and play other students who have also been winning. That led to fourth round results of four losses and a draw. The team slid back to fifth. The dreams of a rookie national championship began to fade into the reality of facing such stiff, seasoned competition.

The final day we were in ninth with two rounds to go. After the first round, the team had repeated its 2-3 record from the night before, dropping into 11th. One round to go.

The team was upbeat, hoping to repeat its earlier 5-0 showing, so everyone could go home on a high note. The bell rang, pieces began to fly, and after the dust settled, the results were 1-2-2, dropping us to a respectable 13th.

There were 151 students in the unrated division, and our four students finished 42nd, 71st, 85th and 94th. Our ranked student finished 48th out of 215. It was an impressive showing for a fantastic group of kids.

Giving Liberians Shoulders to Stand On



A few years ago, John Etherton, CS 05, MS CS 07, was working on his master's degree and doing his best to avoid getting "a real job" when he noticed a posting on the Georgia Tech website about the work of Michael Best, an associate professor of international affairs who was studying the effects of computers and the internet in developing countries.

"That sounded exactly like the kind of not-real-job job I was looking for, so I met Dr. Best and signed up for his class," Etherton said. "The idea of using computers to help people, not just to make U.S. corporations richer, really appealed to me. Plus the idea of getting to travel to exotic places to work sounded great."

Etherton was selected to travel to Liberia to work on a pilot project to develop a multi-user cellphone. During his six weeks in the country, Etherton saw a place sorely in need of technical skills (he was the only person in the entire country with a master's degree in computer science), and so he knew he could make a

real impact. "Plus, the idea of being in a place where you needed a [four-wheel-drive vehicle] because the road could be washed out by the next rainy season greatly appealed to my boyish need for adventure."

After graduating, Etherton signed up to work as project manager on another of Best's projects, a collaboration with Liberia's Truth and Reconciliation Commission, which lasted until 2009.

But Etherton still wasn't ready to leave, so he enlisted a colleague in starting up iLab Liberia, a nonprofit computer lab that's tasked with closing the country's digital divide. The program often collaborates with Georgia Tech faculty, and last summer Allan Martel,



MS DM12, interned with iLab as an instructor.

The endeavor hasn't been without its challenges: iLab has struggled to find qualified employees because the civil war brought education to a standstill in Liberia, and much of Etherton's time goes to fundraising. (Their annual internet bill is \$90,000.)

"It's hard to talk donors into spending that much on just the internet," he said. "Since there's no power plant in Liberia, our electricity comes from diesel generators at our office. This is also super expensive."

His hope is that the consistent access provided by iLab will allow Liberians to learn more about the internet and develop computer skills. Eventually, he wants it to be a place where entrepreneurs can build software and systems that will help the country.

Etherton returned to the United States in 2010 but continues to manage much of iLab's operation. He also works as a freelance programmer, often for software projects in the developing world.

Service is important to him because he understands how much of his resources and skills is the result of other peoples' hard work.

"This became really clear to me when living in a

• Above: John Etherton, center, teaches Liberians how to use computers and the internet with his nonprofit computer lab, iLab Liberia.

place that is starting from scratch," Etherton said. "I was able to be a computer scientist because someone 100 years ago realized you could make electricity by spinning magnets and wires, then someone

else built a vacuum tube, then someone else created a way to store data digitally, then someone else built an operating system and so forth. So I'm just standing on the shoulders of giants. And while I don't think I'm a giant, I'd like to be the shoulders that someone else can stand on."



Bringing Education to Nepal's Children



Steven Lustig, MS ME 95, MBA 09, received his bachelor's degree at MIT, and was reading his undergrad alma mater's alumni magazine in 2005 when he came upon an article about the Nepalese Children's Education Fund, which was founded by fellow MIT students.

The group was working to bring education to the many Nepalese children who had no means to obtain it. NCEF provides children with tuition, textbooks and supplies, relying on volunteers in Nepal to meet with the children and their parents and to monitor their progress in school.

Lustig made a donation to NCEF, then decided to get more involved, first serving as the fund's secretary and now as president.

Lustig, the manufacturing manager for Coca-Cola's "Freestyle" touchscreen drink dispensers, said his Tech MBA prepared him well for the challenges that have come with running NCEF.

"We learned about the importance of culture in organizations," he said. "The cultural differences—between a corporation and a nonprofit, as well as between countries like the U.S. and Nepal—mean that it is important to adapt to the organization and the situation and come up with creative ways to solve problems."

In 2011, Lustig traveled to Nepal to meet some of the families helped by NCEF. He took the children to an amusement park in Kathmandu and visited two schools in the rural district of Chitwan. "It was an amazing experience," he said. "It really helped me see the impact of our efforts."



“The cultural differences—between a corporation and a nonprofit, as well as between countries like the U.S. and Nepal—mean that it is important to adapt to the organization and the situation and come up with creative ways to solve problems.”



• Above: Nepalese students study with materials provided by the Nepalese Children's Education Fund. Top: Steven Lustig, the organization's president, visits two children in Nepal.

Amputees Find Confidence Through Adventure

Kristin Carnahan had been working as an engineer for six years when she decided she wanted a career that allowed her to help people directly. Georgia Tech's orthotics and prosthetics program was the perfect fit.

While working on her master's at the Institute, Carnahan met an amputee who'd volunteered at a camp in North Carolina that allowed amputee children to take part in adventure activities. Carnahan, MS PO 08, signed up as a volunteer at Adventure Amputee Camp in 2007 and has been involved ever since, now serving on its board of directors.

Camp activities include a ropes course, zip lines, water skiing, white water rafting, scuba diving and horseback riding.

"I have been inspired year after year by seeing the campers take on challenges that they clearly did not think would be possible to achieve," Carnahan said. "The ropes course challenges each camper not only physically in terms of navigating the course with less than four intact limbs, but the mental challenge of overcoming a fear of heights is huge as well.

"I've seen a camper with no hands climb the 50-foot alpine tower, conquering a feat that many able-bodied adults would shy away from," Carnahan said. "I see many kids arrive very shy and reserved, only to



Alumni Denise Larkins, Richard Welling Jr. and Kristin Carnahan have fun with campers at an adventure camp for amputee children.

leave with a new level of confidence and joy that comes from being fully accepted and making new friends."

Two other Tech alumni volunteer at the camp: Richard Welling Jr., ME 95, MS PO 05, and Denise Larkins, Psych 07, MS PO 09. Larkins volunteered this summer for the first time after moving back to Atlanta to work at Children's Healthcare of Atlanta earlier in 2012.

"Seeing these kids take on challenges really makes me put my own fears in perspective," Larkins said. "While the camp is ultimately for the kids, I think the counselors and volunteers benefit just as much, if not more."



OUT OF SADNESS, HOPE—AND DONUTS

ON JULY 13, 2007, Jeff Brooks, ME 84, and Melissa Webb Brooks, IM 84, found out that their youngest daughter, Taylor, had a desmoplastic small round cell tumor.

Over the following months, the family learned that research into childhood cancers wasn't nearly as far along as research into adult cancers. But Taylor was undaunted. She organized a Thanksgiving party for fellow patients at Scottish Rite in Atlanta, raising thousands of dollars for the event. She then led a fundraiser, which ultimately resulted in a new Aflac Cancer Center being built, complete with computers, TVs, DVD players and Playstations for the children there. Taylor cut the ribbon at the grand opening.

Five days later, on April 1, 2008, she lost her fight with cancer.

Jeff and Melissa formed the Taylor Brooks Foundation to keep their daughter's memory alive. They have raised funds to sponsor a fellowship at Children's Healthcare of Atlanta to study pediatric cancer.

The foundation also provides gift bags to patients on holidays, hosts an annual holiday party in December (complete with gifts for all of the children), delivers Krispy Kreme donuts every Sunday and takes patients on an annual outing to the Gwinnett Gladiators hockey team's teddy bear toss game, where teddy bears are thrown onto the ice after the Gladiators' first goal. It was one of their daughter's favorite events.

• Taylor Brooks hosted parties for fellow cancer patients.



Therapy on Horseback

Service has always been important to Candy Houston, IE 98, MS IE 99. She recalled her parents constantly volunteering when she was a child. And then, at Georgia Tech, Houston joined Tau Beta Sigma, the music honor and service sorority, and took part in projects like helping Girl Scouts earn music badges.

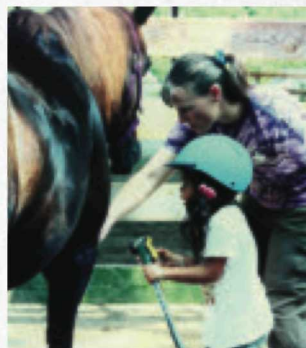
But service took on new meaning in 2009 when Houston was laid off from work and friends pitched in to help her find a new job.

"It underscored the importance of service for me," she said. "Service can take a lot of different forms. It can be helping the family down the street who's dealing with a serious illness or helping a former co-worker who's in job search mode."

To give back—and to get out of the house while her search continued—Houston looked for a volunteer opportunity. She read about Parkwood Farms Therapy Center, a nonprofit in Snellville, Ga., that provides therapeutic riding and other equine activities for special needs children and adults.

Houston grew up around horses and cofounded the Georgia Tech Equestrian Society, an Alumni Association Affinity Group. She began helping out with therapeutic riding sessions every Tuesday and Thursday afternoon. Gradually, she took on more projects, like writing grant applications and helping organize fundraisers. She has since started a new job, but her involvement with Parkwood continues, now as a board member and helping with weekly riding sessions.

"My favorite part of the volunteering experience at Parkwood Farms is easily the kids' smiles," Houston said. "When these individuals with various special needs participate in therapeutic riding and other equine-assisted activities, it doesn't feel to them like they are receiving therapy—they are doing something fun."



• Candy Houston and a young equestrian.



FINDING MEANING IN THE ROUTINE

After having surgery at the Fairfield, Ohio, Mercy Hospital in 2000, Charles "Bud" Aydlett, IE 58, felt the need to give something back in thanks for the great care that he received.

Aydlett hoped to volunteer in the hospital's cancer section, but he was assigned to the section that handles patients who go through knee and hip replacement surgery. His work isn't flashy—assembling information packets for new patients, organizing items for nurses to use in patients' rooms—but it is meaningful.

"This may seem routine for a Tech engineering grad, but I have found that my real mission is to help assure patient comfort and care, so I spend time with [patients] when possible to converse and share faith if desired," Aydlett said. "Believe me, I come away from a lot of these visits more blessed than I give blessings."

The Reluctant Rebuilder



“Right after the tornadoes hit, I didn’t do anything,” admitted Marc Corsini, IM 80.

Corsini lives in Birmingham, Ala., where, on April 27, 2011, strong tornadoes damaged or destroyed thousands of homes and businesses and killed 239 people. A friend’s challenge shook Corsini from his inertia. “She said, ‘You know so many people. You can make a difference.’”

So he planned to spend a day with a group from his church clearing debris from areas struck by the storm. Corsini sent an email to some 200 contacts, and 10 volunteers showed up with tools and a backhoe.

“When we visited the first location, I was taken back at the devastation,” Corsini said. “Houses were destroyed everywhere. We saw police arrest a looter. And there was plenty of debris to clear—everywhere.”

By day’s end, the group decided they wanted to work the following week as well. They toiled at the seemingly

insurmountable task on 12 Fridays over a 15-week period. Mostly the team—which became known as

“TGIF”—helped people who didn’t have insurance to clear downed trees and other debris from their property. Corsini’s task was finding volunteers and coordinating transportation to the day’s project.

Earlier this year, the task of clearing debris was complete. Rather than disband, the group changed its focus to rebuilding. Over another series of 12 Fridays, TGIF partnered with Habitat for Humanity to help a family rebuild their home.

Corsini said he was doing work he’d never dreamed he would do and helping out people he didn’t know, but it became one of the most fulfilling things he’d ever experienced.

“I came to love the work, the volunteers and the people we helped,” he said. “It is so rewarding.”



BUILDING HOMES WITH THE GRAY GHOSTS



They call themselves the Gray Ghosts.

Over the past two decades, this loose-knit group of Atlanta retirees—including several Georgia Tech alumni—has bonded together at Habitat for Humanity build sites, by their count working on more than 500 houses.

Above: Two of the dozens of Habitat for Humanity homes built by George Chapman and the Gray Ghosts.

George Chapman, CE 72, has contributed to about 85 Habitat houses (he never kept exact count) over 15 years of volunteering and now serves as a skilled supervisor for the organization's Atlanta branch.

Having worked as a land surveyor, Chapman transitioned into an increased role with Habitat after his retirement four years ago. On the recent Southern Crescent Habitat build south of Atlanta, he worked as the unpaid project manager to develop five townhouse units. The homes recently were dedicated after eight weeks of construction.

Other Tech alumni who are part of the Gray Ghosts include Frank Jenkins, Cls 81, and Charlie Thompson, IM 62.



Homes for the Homeless

Looking for Frederick A. Massey, Sr.? Check up on the roof.

When he isn't running Massey Automotive in Marietta, Ga., the 1976 industrial management grad spends much of his time helping with construction projects for churches and for the homeless. He's a longtime volunteer with Habitat for Humanity, and he recently led a team from five churches that built a day facility for MUST Ministries in Cobb County.

After finishing the MUST project, Massey was named president of Family Promise of Cobb County, which helps families facing homelessness.

He also has stayed involved with Georgia Tech, helping to lead the funding and building of the Pi Kappa Phi's fraternity house on campus.



NETWORKS SPEARHEAD VOLUNTEER PROJECTS

THE ALUMNI ASSOCIATION'S Alumni Networks gather for TEAM Buzz service days and contribute to their areas in countless other ways. Here is some of the good work they're doing. To give back with fellow alumni, visit gtalumni.org/volunteer.

➔ **The Western North Carolina Network** worked on a Habitat for Humanity house in Asheville, N.C.

➔ **The Columbus, Ga., Network** hosts a fall festival for the Anne Elizabeth Shepherd Home, which provides care for severely emotionally and behaviorally disturbed females.

➔ **On Aug. 25, the Suncoast, Fla., Network** had a TEAM Buzz beach cleanup at Cypress Point Park in Tampa. They picked up 75 pounds of trash.

➔ **The Fort Lauderdale Network** assisted with the beautification of Camp Elmore after it reopened in June after being devastated by Hurricane Wilma in 2005. The 117-acre plot of land was the Boy Scouts' only campground in Broward or Palm Beach counties.

➔ **Coweta-Fayette, Ga., Network** members judged the RESA Regional Science and Engineering Fair in their area. The network also gave a \$50 cash award at the Regional Science Fair as the "Ramblin Reck" award for most original science project, as chosen by the Tech judges.

➔ **Tech alumni, family and friends** joined forces to collect, box and load donations for the 15th annual Mayflower Marathon Food Drive in the Hampton Roads, Va., area.

➔ **The Hampton Roads Network** participated in the Clean the Bay cleanup event in June, helping to clear more than 68 tons of debris from the shores of the Chesapeake Bay.

➔ **Members of the Richmond, Va., Network** collected more than 1,500 pieces of trash from storm drains in Richmond this fall. They also labeled 12 storm covers with "No Dumping" placards.

➔ **The Central Florida Network** recently sorted supplies at a warehouse for Harvest Time International, which distributes food, household goods and medical supplies to send to nonprofit organizations in the United States. ▲



The neighborhoods
surrounding Georgia
Tech's Atlanta campus have
struggled for decades with
drugs, crime and poverty.

Those communities need
help—and the Institute
is reaching out.

WEST

SIDE

BY
JAMIE GUMBRECHT

PHOTOS
BY JAMEY GUY

STORY





AS

a child in the 1960s, Jacqueline Royster often rode through the streets of Atlanta's English Avenue community as her mother commuted to Atlanta University. Later, as a student at Spelman College, Royster knew the Westside neighborhoods as loci of civil rights history and the home of friends—"very nice, working-class" places, she recalls.

IN THE 1940S AND '50s, after decades as a white neighborhood, English Avenue had transitioned to a mostly black population. It was home to a growing black middle class, a proud place where families prospered and kids left home for college. English Avenue raised stars like Gladys Knight and budding business leaders like onetime presidential hopeful Herman Cain. Martin Luther King Jr. raised his family nearby.

But in 2010, when Royster returned to Atlanta as dean of Tech's Ivan Allen College of Liberal Arts, she went on a tour of English Avenue and saw a very different place.

"I was very taken aback. I was horrified," Royster said. "The houses were run down. The lots were not well kept. There were lots of empty properties. It was not the neighborhood I remembered."

The intervening years had not been kind to the Westside. In the 1970s, English Avenue's population began to decline as some families left for Atlanta's growing suburbs. Bars and dance clubs opened along the neighborhood's south side. English Avenue's pool halls and restaurants began to sell liquor. And as the neighborhood became known as an entertainment hotspot, more and more families moved out, returning only for church on Sundays. Residents interviewed for a 2008 Georgia Tech architecture lab project said the change was solidified by the mid-1980s when drugs arrived and crime exploded.

By the time Royster made her return, the challenges facing the once-quiet Westside were legion: crack cocaine, heroin; HIV and AIDS; struggling schools; flooding from Proctor



• Jacqueline Royster, dean of the Ivan Allen College of Liberal Arts, wants to see the struggling Westside neighborhoods thrive once again.

Creek, lead-contaminated soil. Residents jobless, homeless, dropped-out or drifting after release from jail. It was a swirling nexus of poverty and crime.

Those who remain in the neighborhood fear that the city will demolish the whole place, or that housing prices will force them out.

Mere blocks away from one of the most prestigious schools in the country, home to world-changing technological advancements, how had English Avenue faltered? Royster knew of Georgia Tech's contributions around the globe, but she wondered what the Institute was doing for its own community.

She began to dig, and her questions turned up a number of research, teaching and volunteer programs that tie Georgia Tech to Atlanta's Westside. Tech faculty pushed for new ways to use technology to help residents. Students in an honors course designed projects to address neighborhood challenges. Student

service groups went into the neighborhood every week to mentor children.

Some projects were little more than ideas; some had been going on for years. But organizers were rarely in touch with each other or even aware of each other's efforts.

"We have a habit of being very innovative and entrepreneurial—you see something, you go do it," Royster said of Georgia Tech. "You don't necessarily take the time to build community around it."

But now that's all changing. Tech leaders, faculty and students are partnering with the residents of the Home Park, Vine

City, Centennial Park and English Avenue neighborhoods on two partnerships.

Royster and Alan Balfour, dean of the College of Architecture, united Tech's leaders, faculty and students with interest in the Westside communities to form the Georgia Tech Westside Task Force. Its goal is to connect efforts across Tech, so that by partnering and sharing resources, the groups can accomplish more.

The second effort is the Westside Communities Alliance, which seeks to build or strengthen partnerships with external organizations such as businesses, nonprofits, neighborhood associations, public schools, police and fire departments, other universities and residents. Their mission is to share Tech's expertise and culture of service with its neighbors.

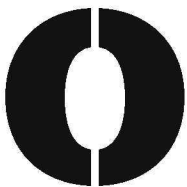
"We can pick up as much trash, do community cleanups, have job fairs ... you know, change can happen from within," said Demarcus Peters, director of the English Avenue Neighborhood Association, who works with the alliance. "But when the community is that far gone, there needs to be some structural support. ... What Georgia Tech has let me know [is] there are people thinking the same way I'm thinking, that something should be done."

Already, alliance partners have organized financial literacy workshops for Westside residents and pushed Tech's participation in community festivals and clean-ups. There is still much to do, including a strategic assessment of the alliance's projects and its successes, Royster said. But Tech is committed to coordinating these Westside efforts into a coherent approach that will exemplify the university's motto of "Progress and Service."

"Our students are learning, but they are giving their time and energy. Our faculty is researching, but it is also working with communities," Royster said.

Still she knows it will take more than websites and workshops to make progress.

"We have to put up proof of our good intentions. We have to build trust and demonstrate commitment," Royster said. "This is the kind of work Georgia Tech can engage in as a 21st century technological university. It is complex problem solving approached from societal and technological perspectives."



One week this fall, a group of six English Avenue residents carried iPhones around their neighborhood and stopped every so often to snap photos. They had an assignment: Document the neighborhood you love, the places you know, the spots others don't see or can't understand.

The project was guided by Christopher Le Dantec, PhD CS II, an assistant professor in Georgia Tech's School of Literature, Media and Communication, and funded in part by the Intel Science and Technology Center for Social Computing.

Le Dantec planned to collect residents' images and stories for an alternative type of asset map—the views of residents themselves—to supplement more formal studies and guides to the neighborhood. More importantly, he hoped it would help the residents better understand each other and explain to the wider world why they stay in a neighborhood so many others have written off.

"There's an internal identity that's very different than its external identity. They see things outsiders don't," Le Dantec said of residents he worked with. "Some of them are here by choice.

"We have a habit of being very innovative and entrepreneurial—you see something, you go do it," Royster said of Georgia Tech. "You don't necessarily take the time to build community around it."

They're not here by economic circumstance. They care about it as a place of personal history."

Although Le Dantec is part of the Westside Communities Alliance, his first attempt to engage English Avenue residents "was shut down, in no uncertain terms," he said. Some residents were skeptical of anybody from the campus next door. They were tired of feeling like research subjects.

"They've witnessed people come and go over the years," said Peters, the neighborhood association director. "People will say 'We're going to help you identify what the problem is.' It's pretty obvious what the problems are. Let's come with some solutions."

Neighborhood allies helped Le Dantec redefine his project, not just in terms of academic gain, but also what it could mean for residents as "community historians." It was presented as an opportunity for them to learn to use digital cameras and to practice documenting the neighborhood, a chance for them to understand shared points of meaning on the streets they know best.

"I'm not here to research you, and that was never the case," he told them.

The results of an early version of the project—maps, images and short narratives—were revealed to residents during the neighborhood's Festival of Lights in October. Le Dantec said the event was a success, with residents using computers to view their stories. And Le Dantec hoped to help residents find other ways to use their data, perhaps to document the effect football games have on the neighborhood and strengthen their arguments for how to handle the proposed new stadium for the Atlanta Falcons, which is planned to be built in the area.

In a second workshop, Le Dantec planned for residents to learn to build their own digital cameras, a project he hoped would encourage them to keep using technology to document and explain their neighborhood as only they can. And it will help Le Dantec and other researchers understand what happens when communities design and use technology for their own purposes.

"They know what their problems are," Le Dantec said. "Once you start to play with ideas, there's always some new solution."

As he sifted through the data from the first workshop, he came to understand more about the neighborhood's identity and values. He saw residents' photos of a long-empty building that was once a hub of community activity. They captured images of tidy, decorated, lived-in homes—bright spots of stability so easily overlooked amidst all the evidence of neglect.

One photo captured just a crack in the wall of a building.

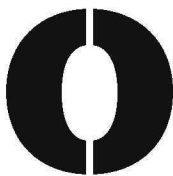
"It's like the neighborhood," one photographer, a longtime Westside resident, told Le Dantec. "In some ways, it's broken, but it's still here, and still a solid structure. It's worth keeping."



• Clockwise, from upper left: Gregory Nobles, (standing) director of the Tech Honors Program, and Christopher Burke, director of community relations at Tech, lead the Semester in the City course. Demarcus Peters, executive director of the English Avenue Neighborhood Association, is partnering with Tech on several projects. Burke guides students on a tour through blighted areas. Tech students prepare to tour Westside as part of their Semester in the City course.







Once a year, students in the Georgia Tech Honors Program's Semester in the City course take a transformative drive through the Westside. They board a bright yellow shuttle and take the short ride west to English Avenue. It's only minutes from Tech's

campus, but few students have ever seen this side of Atlanta.

They record their impressions after the tour.

"Vacant lot after vacant lot ... windows boarded and busted down front doors ... no school, no grocery store—nothing," one student wrote.

"It was hard for me to grasp the fact that Martin Luther King Jr. once raised his family less than a minute away," another said.

"I was overwhelmed," one wrote, "by the amount of work there is to be done."

Gregory Nobles, professor in the School of History, Technology and Society and director of the Honors Program, has taught the Semester in the City class for four years now, and each year the reactions are the same.

"I tell them from the beginning—I don't have the answers. I do not have the solution," he said. "This is not calculus."

Semester in the City requires Tech students to examine how one neighborhood works and how it could work better. Students then work with residents to develop plans for and, they hope, enact change in the community.

The program has faced significant challenges. Students have encountered red tape or simply run out of time; 16 weeks is rarely enough to solve complex problems that have been festering for decades. Residents have nixed students' plans; as Le Dan-tec discovered, residents have been burned before by volunteers who don't show up, or researchers who get their data and leave residents behind.

But there have been successes, too. One student designed yard signs for community residents that proclaimed, "Proud member of the English Avenue Neighborhood Association." A mentoring program designed by another student has continued for years at the local Boys and Girls Club.

A shining star of Semester in the City is the English Avenue Youth Enrichment Program, which started with one Georgia Tech student in spring 2008 and continued to evolve even after the founder graduated. Every week, Tech students visit the Bellwood Boys and Girls Club in English Avenue and share educational lessons with kids ages 8 to 12, all fresh from their own busy days at school.

About 4 p.m. on a sunny Friday this fall, chemical engineering major Akash Gulati and a small group of Georgia Tech students arrived at the Boys and Girls Club with four 2-liter bottles of Diet Coke and six rolls of Mentos mint candies.

Gulati's lesson was a *MythBusters*-style science experiment. Out on the club's one-acre lawn, he explained how carbonation in the soda and tiny air pockets in the Mentos would cause a reaction as the candy sunk into the soda. The kids dropped in one piece of candy, then two, then three. Everyone, including Gulati, shrieked when a geyser of minty Coke erupted several feet in the air.

It was over in minutes, but the lesson stuck. A group of girls announced their plans to repeat the experiment at a birthday party that weekend. One boy asked Gulati for another piece of candy for an experiment of his own. He dropped it in a bottle of

Pibb soda purchased from a vending machine; it foamed up, but didn't explode, much

• Left: Tech student Akash Gulati uses Mentos and Diet Coke to teach Westside children about science.

"When they're here, everything goes fast. When they leave, everything goes slow again," said 10-year-old Timya Harden, who attends school in nearby Vine City. "You forget every other place, because wherever they are is the place to be."

to the disappointment of a small crowd around him.

"When they're here, everything goes fast. When they leave, everything goes slow again," said 10-year-old Timya Harden, who attends school in nearby Vine City. "You forget every other place, because wherever they are is the place to be."

Patrice Holt, program director at the Bellwood Boys and Girls Club, said most of the club's kids live in Atlanta's Westside neighborhoods and spend their after-school and summer hours in the club's game rooms, ball fields, gyms and study labs. Fridays have been special since the Georgia Tech students started coming a few years ago—not just because they're fun, Holt said, but because they keep the kids excited about learning, meeting new people and attending college. The Tech students do what they promise. They pay attention. Even at their busiest, they keep coming back.

Isabelle Recaborde, a third-year business administration student and this year's enrichment program president, never took Nobles' Semester in the City class. But like more and more students, she said, she wanted to be involved outside "the Georgia Tech bubble."

"They want to be taken seriously and listened to," Recaborde said of the Bellwood students, the youngest Westside residents. "They're definitely still kids, but they want to be respected."

In the last decade, some Bellwood kids have graduated and gone on to great colleges, but none have to Georgia Tech, Holt said. For years, the school "wasn't even on their radar," she said. Now, some kids have spent time on campus. She hears them ask what it would take to get in.

She pointed up at the wall of the club's game room, at a series of posters the Bellwood kids drew with the Georgia Tech students. They drew their view of Atlanta's skyline from Bellwood's lawn, coloring just a single road among the iconic skyscrapers.

Dead-center, the kids drew two detailed buildings, the only structures rendered in three dimensions. One is labeled Bellwood, windowless and wide, the center of their English Avenue community. The other is tall, reddish, unmistakable: Tech Tower.

In reality, the two buildings are separated not only by a mile, but decades of fraught history and complicated relationships. But in the kids' view, there's no distance between them at all. And that's a vision Georgia Tech shares. ▲



up the hill

David Young, IM 63, has spent three decades cleaning up an abandoned historic cemetery in Chattanooga, Tenn. He works almost entirely alone, without help or publicity. He knows the work will outlive him—and he fears it will be what kills him.

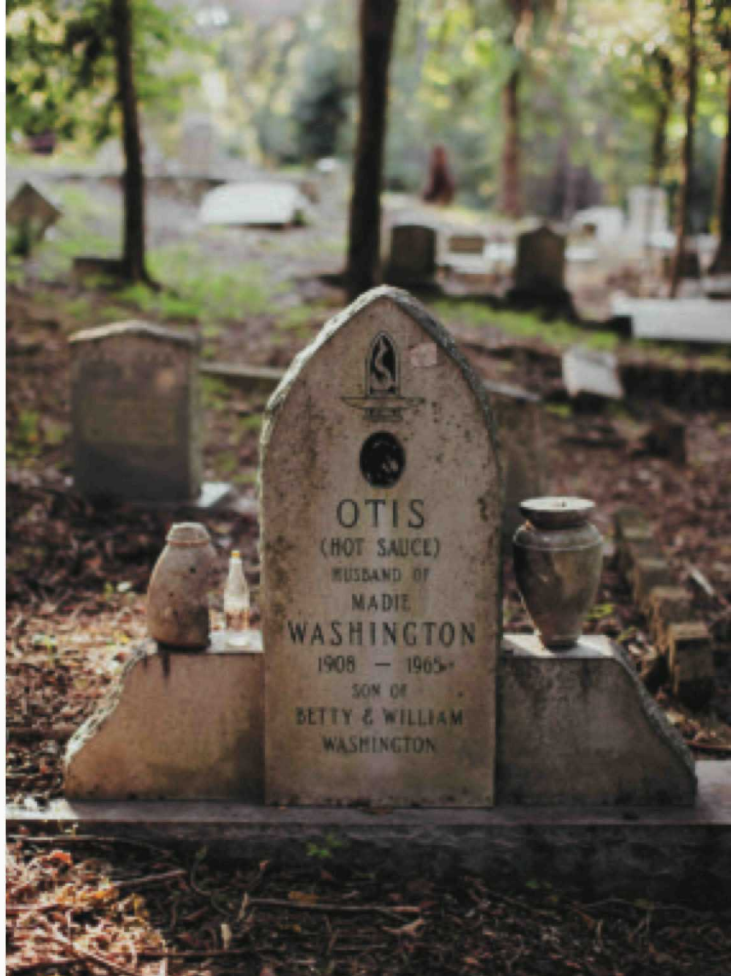
What keeps him going?

BY RACHAEL MADDUX

PHOTOS BY ANDREW THOMAS LEE



In



ANCIENT GREECE, the story goes, there lived a man named Sisyphus—a powerful man, the founder and king of Corinth—who was so proud that he spurned the gods and tried to cheat death. For these transgressions, he was punished, banished to the underworld and made for all eternity to roll a boulder up a hill, reach the summit, watch the rock crash all the way back down, follow it, then start all over again. ¶ Here is another man, in another time, another world. David Young is not overly proud and he is certainly no king. But he too once stood at the bottom of a hill, looked up at the summit and saw his fate—his own land of the dead, the crumbling, overgrown cemetery that he has shouldered all responsibility for over the last three decades and counting.

Like Sisyphus, David toils alone; unlike the punished man, David's burden was a choice. Yet no explanation of his devotion seems to suffice. He values the cemetery's history, enjoys the feeling of working hard without hope of reward or recognition, thrives on the structure and sense of purpose it gives his life—yes, all these things are true.

But he has committed himself to the cemetery so fully, it is as if the cemetery owns him, as if his actions are nudged along by some force much greater than mere human motives. There is something else at play, that unknown element complicating it when a person commits to an act beyond standard human kindness—that mystery of service, the ineffable arithmetic of someone giving and giving and giving of themselves until they are both nearly gone and, somehow, even more fully alive.

DAVID H. YOUNG III is 71 years old, thin-framed; he used to be all right angles, but time has rounded most of his corners, and there's a hunch to his shoulders that suggests he's perpetually shrugging something away, a worry or a compliment or a question too big to answer. His hair, once nearly black, has finally decided it's time to turn gray, though his brows are holding out, almost as dark as when he was a boy.



He grew up in Georgia, Macon and Rockmart. His father was a Tech alum, an insurance agent and a smalltime farmer; his mother, an Agnes Scott graduate, helped her husband with his business. David was sent up to the Darlington School in Rome, then graduated with a degree in industrial management from Georgia Tech in 1963. He met a girl in college—Barbara, another Scottie—and, once he'd paid his dues to Uncle Sam, he came back home and married her. Barbara found a job up in Chattanooga, and he enrolled in the accounting program at the University of Tennessee at Chattanooga; they bought a little white house in Chattanooga's Shepherd Hills neighborhood, settled in, never left.

They bought the house for the closets—Barbara required closets—but the backyard was nice, too, a green lawn stretching out then ascending in a series of terraces, like an amphitheater. David kept it tidy, tended to the whole swath of it right up to the chain-link fence that marked the back property line. Every so often he'd climb the stair-stepped slope and do battle with the ivy and weeds that never stopped seeping through the fence from the wooded lot beyond.

Standing in his dining room, looking out his big picture window and up at that beautiful backyard, he could see points of a wrought-iron gate and gray crests of tombstones among the dark tangle of vines and trees at the top of the hill.

He knew about the cemetery when he and Barbara bought the house—knew it was up there, at least. The neighbors didn't talk about it much, but he picked up things here and there: It was an African-American cemetery, founded in the 1890s and named Pleasant Garden, effectively abandoned for years. Some of the most prominent members of Chattanooga's post-Reconstruction black community had been buried there, and some of the poorest. There had been money troubles among the owners' families years ago, and someone's great-grandsomething had come into possession of the place but didn't seem to want to bother with it anymore.

By the time the Youngs moved in, bungalows and cottages like their own lined the cemetery on three sides, dozens of tidy lawns abutting its dark tangle.

In time, David began to work his way up the hill, hacking at the reaching fingers of brush and vine, chopping and whacking and uprooting. At first it was retaliation, a prolonged defensive strike to maintain the sovereignty of his own land. But then he pressed farther and farther into the cemetery, farther from his little white house, and it became something else. He was carving out his own paths, dragging away his own debris, uncovering earth—and graves—that hadn't seen the light of day for decades.

The place was a wreck, what little he could see of it. Cracked and crumbling tombstones lay scattered around as if they had been back-swiped by a god's impudent

hand. David thought about the history there, the graves bearing the names of black men who'd become synonymous with the horrors of racism and injustice: Ed Johnson, falsely convicted of raping a white woman and lynched off Chattanooga's Walnut Street Bridge in 1906 by a white mob, his case the subject of legal precedents and books and plays; Andrew and LeRoy Wright, two of the nine "Scottsboro Boys" falsely accused of raping two white women in Alabama in 1931.

David thought about his boyhood in Macon and Rockmart in the 1940s and 1950s, the depths of the segregated South; he thought about the black housekeepers and nannies who raised him, and he thought about all these marked and unmarked graves of all these other women and men who worked for so many other white families without fair compensation or full rights.

He thought about the hundreds and hundreds of other men and women and children buried there, their stories unknown, their graves inaccessible to anyone who might be left to care.

So David bought a mattock, a chainsaw, a spray-pump and gallons of weed-killer. He bought a Gator utility vehicle to help with the uprooting and the hauling. Work got in the way, sometimes—his real job, that is, as vice president of finance for a conglomeration of local companies—but by the time he retired, in 2000, clearing the cemetery had become his primary occupation.

He calls it "clearing," as if he was talking about stacking up plates and wiping crumbs from the table after dinner. But that's like saying Sisyphus was bowling. This was labor; his body ached at the end of the day. Once enough overgrowth was gone, the sun shone down on him, baked his skin under strata of dirt and sweat.

This cemetery, Pleasant Garden, was not the first to fall under David Young's care. In the late 1950s, when he was a teenager, his parents and uncle had founded a

burial ground in Rockmart; they later sold it to a private company, but for a time David was tasked as its part-time caretaker. He kept the place mowed, earned a little money, hated most every minute of it. But it taught him to work.

When he began to clear Pleasant Garden, he didn't tell his friends what he was doing. He didn't tell anyone. For a while, anytime David saw someone walking in the cemetery or a car driving around on the barely cleared roads, he would hide. He would scurry back down the hill, back down to his little white house. He's not a big people person anyway—sort of a loner, he says—but he was nervous about trespassing and about how he'd be perceived as a white man in a black cemetery. Only when it seemed safe would he emerge again.

When Barbara developed Alzheimer's he became nervous to leave her alone in the little white house, so he would take her up to the cemetery with him. He would sit her down in a chair near where he was clearing, keep an eye on her as he hacked away at arm-thick vines and dragged rotten branches from the graves. But soon it became too much for her—it scared her, the darkness of the place, the tumbled tombstones all around, who knows what lurking in the thick brush. He hated leaving her unattended at home, but he'd steal away sometimes anyway.

Barbara died a few springs ago. David buried his wife in one cemetery and came home to bury himself in another.

HIS DAYS ALWAYS GO A CERTAIN WAY. He wakes up around 4:30 a.m. Breakfast is bacon and eggs, every morning. He cooks for himself and takes it slow. By 7:30 or 8 he's up in the cemetery, where he works until 11 or so.

He thought about the
hundreds buried there, their
stories unknown, their graves
inaccessible to anyone who
might be left to care.







Lunch is almost always at the Mountain City Club, over the ridge in downtown Chattanooga. Sometimes he'll go with a friend to a place across the river called Food Works, where the waitress teases him for always getting the salmon. "It's healthy," he says. "You're in a rut," she says. After lunch he takes a nap but is back to work around 3 p.m., usually until 5 or so. In the evenings after dinner he reads—historical fiction, something light—or watches the news. He goes to bed early. He sleeps. He wakes up. He does it again.

Up in the cemetery, he picks out a particular tree or a large headstone sitting way off in the brackish growth and he clears his way toward it. He loathes the mimosa, the vinca, the sumac, the kudzu, the ivy. He battles with it, rips it root from root, sprays it with poison, slices down saplings before they have a chance to spread their seed, hacks their stumps into a pulp with his mattock. He drags the underbrush into piles that sometimes grow twice his height, as wide as a house.

Once he set his sights on a 15-foot-tall obelisk headstone installed at the hill's highest point. When he reached the obelisk after weeks of clearing he found it wasn't a grave-marker at all, but a monument to the cemetery's founders. Their names were etched in the brown stone, the sharp edges grown dull with time.



Sometimes David will tend to a certain grave just because he likes the design of its marker or because he feels a fondness for the name. He once found an especially stately tombstone, a big one marking a plot for a family called Young. He paid that one special care—cleared the land around it, pushed the dirt and the leaves away, made a place for it in the world again.

Some days he thinks more about cataloguing the cemetery than clearing it. He has an incomplete roster from an archivist in town listing around 580 names and death dates; he has personally recorded the names and locations of about 900 graves, but only 160 or so of those are on the roster. He suspects his catalog amounts to about 40 or 45 percent of the total number buried there, but it's hard to be sure. No natural order of things presents itself. Some plots are organized in grids, but they're catty-corner to other grids, and in some sections there's no pattern at all, the tombstones scattered out in haphazard constellations, many far from the graves they once marked. He has a friend who takes photos, and together they've been trying to make a full catalog, geo-tagging the graves to make it easier—to make it possible—to find them again, though he knows there's some they'll never find.

One of David's neighbors grew up in the area and told him when she was a girl she'd steal up to the cemetery and watch the burials. The hearse would drive in, the casket would be lowered, prayers said, mourners led away—then sometimes the funeral home folks would remove the body from the casket, install the deceased straight into the grave, and whisk the box away for another poor soul. The bodies became the earth, and the earth begat the weeds, the trees, the vines that grew to smother their tombstones, choke their memories, burying them again and again.

Those graves are all sunken now, pitting the scathed landscape in eerie undulations. They often appear in groups, in rows of three or four or five, the poor exiled even in death. Most of the sunken graves are unmarked, but many of the marked graves are sunken, too. Their tombstones, loosed from the earth and heavy with moss, have fallen into the graves and lie face down, as if in supplication.

David tries not to walk in the graves. In some places it's hard not to, the ground a treacherous grid of wet leaves and moss framing sunken, fecund pits. He knows it's easier to step into a grave than it is to step out of one.

He can so easily imagine falling and breaking his leg up there, slicing himself with his own blade, pulling a rotten tree limb down on his skull. He works alone. He knows the dangers. He stops when he feels tired.

There's a certain satisfaction in the end of a day, something concrete and inarguable—that pile of brush moved from here to there, that sapling hacked from its roots, that headstone soaking up sunlight for the first time in years. He takes that pleasure when he can. He knows it will not last.

Seventeen acres—that's how big the cemetery is. And

The vines never stop creeping, the ivy never stops snaking, the saplings never stop shoving their way up through the hard-packed earth.

in 30 years David guesses he's cleared about 60 percent of it. He doesn't have another 30 years, he knows, but even if he did, he would never be done. The vines never stop creeping, the ivy never stops snaking, the saplings never stop shoving their way up through the hard-packed earth. These days he spends half his time clearing land he's already cleared, just to maintain stasis. He's exhausted. But nature does not care.

At the end of every day, David is Sisyphus at the top of his hill, his work done but not for long, watching his boulder crash back down to earth before following it.

DAVID YOUNG is the tail end of his family. He and Barbara had no children; their parents are dead, their siblings are dead. He reads obituaries with increasing interest—cause of death? how old?—as if he might discern from them how much time he has left.

When he dies, he knows what will happen, or at least what he wants to happen: He'll be buried down in Rockmart alongside Barbara and his parents and his grandparents in the cemetery his family built. His memorial plaque is already there, just waiting for a death date.

His Navy service means he's eligible to be buried in a national cemetery, and he wonders if he should take that chance, trade the company of family for guaranteed maintenance. He knows how easy it is for things to be let go.

He wonders, too, when he dies, how will anyone know?

Who would even know to run an obituary? If he died in the little white house, if he died up the hill—how would anyone know?

And if he's not there to take care of the cemetery, who will be?

A few others have shown interest over the years. Once some Boy Scouts dragged piles of limbs onto a stretch of driveway David had just spent hours clearing, then stuck little American flags into the graves they uncovered. The flags are still out there, blown from their posts, frayed and faded. A man named LaFrederick Thirkill, a local elementary school principal, has had some luck rallying Chattanooga's black community for the occasional workday, tending mostly to the cemetery entrance, which David usually keeps overgrown to deter casual traffic.

But the chaos of the cemetery is so vast, David has never seen them, has never heard a peep, never laid eyes on the results of their labor before the ruthless tangle covered itself again.

This summer David met a new family moving in down the street, a couple with a new baby. They're excited about raising their son by the cemetery—all that green space, the walking paths and the trees. David suggested to the husband that maybe he could help him work up there sometime. The man seemed amenable. David thinks maybe this man will be the one to take over his clearing. He hopes, at least. But who knows.

The answers aren't the hard part—it's all these questions. Sisyphus was a lucky man in this regard. At least no one ever asked him why. At least he knew how he'd be spending eternity.

DAVID HEARD that people used to picnic up in the cemetery on Sundays, that it was a beautiful place, more like a little park, but he couldn't imagine it until he began to see concrete benches and birdbaths among the overgrowth, little sitting areas terraced like his own backyard. The grass had been green here once, too, and rolling like a carpet.

Cemeteries aren't built for the dead; they're built for the living.

Those inscriptions on the tombstones—"In Memory," "Rest in Peace"—are as much wishes for the departed as they are implied contracts with those left behind. But promises etched in stone can still be broken. "Gone but not Forgotten," some of the headstones say, and at times David feels like he's the only reason that's still true. The more he clears, though, the more he sees fresh flowers, or at least fresh silk flowers, left on graves. That means people are coming, that they're finding what, or who, they're looking for. They are paying their respects, making their peace.

David doesn't hide from visitors anymore, his reticence outweighed by a mounting desire to make sure people know who he is and what he's doing. He has talked to newspaper reporters and local TV cameras as word of his work slowly spread around town. Sometimes visitors recognize him, approach him, call him by name.

Once, just before Christmas in 2010, David saw a beautiful black SUV parked inside the cemetery. It was a giant thing, shining like onyx, undeterred by the scraggly limbs hanging over the driveway. The SUV came bearing Lionel Richie, the singer, taping an episode of *Who Do You Think You Are?*, an NBC show that played matchmaker with celebrities and their unknown ancestors. Richie had a grandfather buried in the cemetery. When the time seemed right David approached the star's tour bus, parked down the street from his little white house. He saw Lionel—David calls him Lionel now—speaking with Thirkill, who was acting as tour guide. Thirkill saw David, turned and pointed Lionel toward him. The singer broke away from the conversation, strode towards David, wrapped him in a bear hug, told him thank you.

On the show, Lionel walked through the cemetery with the cameras but could not find his grandfather's grave. He learned that his grandfather, Lewis Brown, was not only buried in the cemetery, he had also once been its caretaker. He had borne this burden, too—the relentless growth, the trees, the vines; the boulder, the hill.

Once David was working up around the obelisk when he saw a black sedan parked on the driveway. A middle-aged black couple, a woman and a man, were walking around through the graves. They saw him and he greeted them, asked if they had family buried there.

"Don't think so—do you?" the man said. David sensed an edge in his voice.

"No," David said.

"What are you doing up here?" the man asked. David pointed to one of the brush piles. "You the one doing this?" the man asked.

"Any chance y'all are here to help?" David replied.

"Why don't you ask the owner?" the man said.

"Is the owner here?" David asked, not expecting the man to point down the driveway, toward a patch of recently-cleared graves. There was another man—older, also black, graying and distinguished. David approached him down the path, introduced himself, asked if he had any plans for the cemetery. The owner said no. David asked if it was all right for him to be there, to do his work. The owner said yes.

The owner had come there to visit a family plot, to find a particular headstone. "Were you able to find it?" David asked, and the owner said yes. He pointed a few yards away, pointed to that headstone David had cleared around just for bearing his own last name. And so there they stood, two old Young men in the land of the dead.

IT WAS A RAINY SUMMER, and the weather combined with a sprained ankle kept David inside more days than he would've preferred. He doesn't like to be all cooped up in the little white house while the cemetery grows back over itself.

When David falls into a state like this, he makes himself polish the silver. His grandmother collected it, Barbara's grandmother too. Most of it is stored down in the basement, packed away from the elements, but the platters and the flatware and the candelabra on display in the dining room demand a thorough cleaning every few months.

The process is tedious—grinding the rag and the paste into all the nooks and crannies, all the bevels and the filigrees—but he's been doing it since years ago when Barbara announced she'd had enough.

He could give it up, he knows. He could give it all up. He could just decide to let the sulfide have its way, let it work itself deep into the soft metal, sour the bright surfaces with its dull gray blight. He could decide to never again set foot in that cemetery. He could let nature have its way, let the vines and the trees feed on earth soaked and rich from the hot summer rain. It wouldn't take long for the place to look just as it did when he first saw it 30 years ago. Inertia, negligence, decay—it's all so easy. All it requires is nothing.

But David Young has the time, now, and the hands, and the strength. And he feels that tug, that feeling rushing in from who knows where that's harder to fight than to obey. Maybe he chose this burden, or maybe it chose him; at some point the distinction becomes irrelevant. The cemetery, the silver, the little white house, his own body—it will all be someone else's problem one day. But, for now, it's his.

And when the rain stops falling and the sun returns and his ankle heals, he pulls on his boots, he steps outside and he climbs up the hill once more. ▲





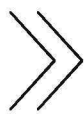
alumni house



Students flocked to the Campanile and other spots around campus for the 2012 Student Alumni Association Kick Off. SAA is the largest student group at Tech.



TURN THE PAGE



Future alumni get a head start on networking and philanthropy—oh, and free food.

Student Alumni Association Cruises Past Its Lofty Goals

Van Jensen

When the Student Alumni Association relaunched in 2010, it set an ambitious five-year goal of 3,000 members. But thanks to another big fall kickoff event, the organization is on track to blow past that number in its third year.



On Sept. 6, more than 1,300 students signed up for SAA as new or returning members during a celebration held across campus. As of press time, there were 2,752 members.

“SAA Kick Off 2012 blew us all away, exceeding our most ambitious goal yet for the most successful day that SAA has ever had,” said Ryan Fork, SAA president and a fourth-year computer science major. “Our multiple-location strategy once again proved to be very popular with the students, and of course the wonderful freebies we gave away drew in tons of them. Our evening event was held in a different location this year, giving students the unique opportunity to be right in the mix with the T-Night activities going on next to the stadium. Overall, SAA’s 2012 Kick Off will forever stand out as one of the most amazing things I have ever had the opportunity to be a part of in my time here at Tech.”

SAA, Tech’s largest student organization, seeks to help the students of today become the successful and loyal alumni of tomorrow. As a lesson in stewardship and philanthropy, each member makes a \$10 donation to sign up for the organization. Half of that goes to the Roll Call annual fund, and the other half goes into a fund that is donated to a specific project or group at Tech. SAA members vote on which project to fund.

SAA also teaches students about Tech traditions and history. And many of the students signing up for membership said they were most excited about the opportunity to join

• **At left:** Tech President G. P. “Bud” Peterson greets a student during SAA kickoff. **At right:** Stan Anderson, IM 75, tells a student about the many SAA benefits.

the Mentor Jackets program, which pairs student mentees with alumni mentors. So far, there are about 1,000 student-alumni pairs for the 2012-13 academic year.

"I've heard about it and thought it was a good program," said Veena Madhu, a first-year biomedical engineering major. "...I was walking by and decided to sign up. The mentoring program sounds interesting, and I want to learn more about the other programs."

Madhu had stopped by an SAA station set up next to the Campanile, where a swarm of students noshed on free Chick-fil-A sandwiches under the shadow of a giant inflatable cow.

SAA and Alumni Association had four other stations



around campus, plus Tech-decorated golf carts that served as mobile signup stations. On the Fifth Street bridge, students picked up Waffle House smothered and covered hashbrowns made on an outdoor grill. Outside the College of Computing, SAA volunteers asked, "What's the good word?" A correct response ("To hell with Georgia!") earned a treat from Chocolate Jewels.

In addition to free food, students who signed up received a T-shirt and coupons from a

variety of Atlanta businesses. Other sponsors included Coca-Cola, Mellow Mushroom, Rita's Italian Ice and Eye Candy Cake Company.

And at each station, students learned about the SAA from fellow Wrecks and alumni.

At a station near the Instructional Center—complete with a giant inflatable Buzz and King of Pops popsicles—Jesús León, Cls 74, talked to students about his experience at Tech and encouraged them to take advantage of all that SAA has to offer.

"I enjoy this kind of thing, telling people what SAA can do," León said. "I had this experience as a student with an organization that set up interactions between students and faculty and alumni. I enjoyed that tremendously. [SAA] is a

great organization, one of the best things that we do. And it's great to meet the students. They're in a class by themselves."

Tech President G. P. "Bud" Peterson toured the stations with Alumni Association Chair Walt Ehmer, IE 89, and President Joe Irwin, IM 80.

"It's great for you to get connected and to stay connected," Peterson told a group of students.

Natalie Wood, a first-year business administration major, had heard good things about SAA from a friend. So when she saw the station set up in the Instructional Center lawn, she quickly signed up.

"I'm really interested in the mentorship part," Wood said. "The goal is to get a job after I graduate, so making connections early on is a good deal." ▲



EMPLOYERS: PLAN NOW FOR CAREER FAIR 2013

The Georgia Tech Alumni Career Fair will be held at the Cobb Galleria on March 12, 2013, marking the event's 30th straight year of providing employers with access to hundreds of highly skilled Tech graduates.

More than 120 businesses—including Turner Broadcasting, DuPont, Hewlett-Packard and Alcon, a Novartis company—attended last year's Career Fair and met with more than 1,000 Institute alumni and graduating seniors.

Employers had overwhelmingly positive responses to the event. Ninety-eight percent of employers said they planned to contact attendees for follow-up interviews, and 90 percent planned to contact three or more attendees.

"It was very well organized, and the quality of applicants was extremely high," one employer said of last year's fair.

And while Tech's engineering prowess is well known, several employers said they were surprised by the quality of applicants from other disciplines.

"We thought we were going to have more engineers approach our table, however we found candidates for our accounting and sales openings," one employer said.

Another employer added: "I had a great time; there were almost too many candidates! I look forward to attending next year. Great job, Georgia Tech."

Looking for a few good hires? If you or your employer are interested in attending the Alumni Career Fair, visit gtalumni.org/careerfair or contact Caroline Player, director of Career Services, at caroline.player@alumni.gatech.edu.

Want to volunteer with the SAA? Alumni can sign up as a Mentor Jackets mentor, a Dinner Jackets host or a volunteer for on-campus events like Speed Networking. **More information is available at gtsaa.com.**



The Gold & White Honors Gala is a celebration of Tech's brightest leaders—and you're invited.

Tech's Most Exclusive Event Opens to the Public



This year, for the first time ever, tickets to the Gold & White Honors Gala will be on sale to all Georgia Tech alumni and friends. It's an inspirational evening to celebrate greatness and support students.

The Gold & White Honors, including the Joseph Mayo Pettit Alumni Distinguished Service Award, are the most prestigious awards given out by the Georgia Tech Alumni Association. The event, which previously was invitation only, now will be open to the entire Georgia Tech and Atlanta communities.

Attendees will get to mingle with some of Tech's most accomplished alumni, and all proceeds will benefit student programming to develop and inspire the next generation of alumni leaders.

"The award recipients have always been an inspiration to event attendees, and this year is no exception," said Joe Irwin, IM 80, President and CEO of the Alumni Association. "Opening the event up to the entire community and adding an auction seemed like a natural evolution to help ensure Tech's extraordinary students become our future extraordinary alumni."

The event, which is presented by Waffle House, will be held Feb. 21, 2013, at the InterContinental Hotel in Buckhead and will include dinner and recognition

of the 2013 awards recipients.

Also, for the first time ever, the event will feature a silent auction. Bid items in the auction include a life-size Buzz statue, a ride in the Ramblin' Wreck or dinner cooked in your home by Chris Hall, the owner and chef at Local Three and an avid Tech fan.

TBX Benefit Partners is a gold sponsor of the event, and State Bank and Trust Company is a silver sponsor.

Sponsorships are still available, and tables are available for purchase for a limited time. ▲

Want to attend the Gold & White Honors Gala? For more information or to become a sponsor, visit gtalumni.org/gold&white.

A BIG THANKS TO NETWORKS AND GROUPS PRESIDENTS

The Alumni Association's Networks and Affinity Groups depend on volunteer leadership to organize gatherings, fundraisers and community service projects. Jane Stoner, the senior manager of Networks, and Debra Thompson, the senior manager of Affinity Groups, wish to thank the alumni who served as presidents of Networks and Affinity Groups in the past fiscal year.

"They are always willing to share their time, talents and energy to help build the future of Georgia Tech," Stoner said. "We are so appreciative of these special volunteers."

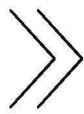
Outgoing Networks Presidents → **Greg Baker, AE 90**, Augusta, Ga. → **Jim Billhimer, ME 85**, Columbus, Ga. → **Mike Burgess, MgtSci 73**, Douglasville, Ga. → **Bryon Castleberry, EE 92**, Northwest Arkansas → **Chuck Darsey, MgtSci 76**, Albany, Ga. → **Ben Davis, IE 04**, Marietta/Cobb → **Ron DeLucia, MS ECE 06**, Central Florida → **Alfredo Fernandez, IE 05, MS IE 10**, Puerto Rico → **Elizabeth Fisher, IE 01**, Gwinnett → **JT Genter, Mgt 07**, Heart of Texas → **Sarah Hancock, EE 05, MS ECE 06**, Arizona → **Matt Johnson, AMath 86**, Richmond, Va. → **Lesley Keck, CE 91, MS EE 93**, Emerald Coast, Fla. → **Ellis Kirby, ME 91**, Conyers, Ga. → **Kevin Kung, Mgt 08**, San Diego → **Laura Le, Mgt 06**, Houston → **Jody Ledford, Mgt 94**, Tallahassee/Thomasville → **Sara Lindsay, ChE 04**, New Orleans/Baton Rouge → **Marc Liverman, CE 00, MS CE 01**, Savannah, Ga. → **Robbie Ludlow, MBA 04, MS ME 0**, Mobile, Ala. → **Mike McKenna, ME 87**, Baltimore → **Ashley Miller, EE 83**, Suncoast, Fla. → **Larry Montgomery, ME 78**, West Ga. → **Lauren Pinson, MS IA 05**, Washington, D.C. → **Marisa Prince, Text 00**, Motor City/Detroit → **Philip Ramos, TEM 00**, Orange County, Calif. → **Nathan Scripps, ME 04**, Northern California → **Aimee Skinner, ChE 99**, Chicago → **Dave Smith, ME 64**, Golden Isles, Fla. → **Miyu Toyoshima, BME 07**, Kansas City → **Rebekah Wharton, Chem 06**, Birmingham, Ala. → **Matt Wood, IE 10**, Atlanta Intown → **Chase Wright, Mgt 10**, Ft. Lauderdale, Fla. → **Outgoing Affinity Groups Presidents** → **Betsy Bulat Turner, IAML 04**, Georgia Tech Bar Association → **Juliana Davila, MS IE 05**, Georgia Tech Hispanic Alumni Network → **Jack Henderson, IM 79**, Georgia Tech Military Affinity Group (GTMA) → **Tina (Heil) Herington, ME 96**, Georgia Tech Aviation Affinity Group → **Ann Jackson, IM 81**, Women Alumni Network → **Gina Kwok, MBA 05**, MBA Jackets co-president → **Gregory Losik, CS 98, MS CS 00**, Computing Alumni Organization → **Errika Mallett, IE 96**, Georgia Tech Black Alumni Organization → **Catherine Owens, CE 01**, Crew Alumni Organization → **Tina Patel, MBA 10**, MBA Jackets co-president → **Colin Wright, EE 94**, Georgia Tech Pride Alumni

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The Alumni travel program takes Yellow Jackets to exciting locales around the globe. Here, we explore some trips on tap.

Celebrate the Kentucky Derby, Master's with Tech Alumni

For those who've always wanted to witness the Kentucky Derby firsthand or marvel at golf's top pros at the Master's tournament but couldn't attend, the Alumni Travel program has you covered.



Package trips to Augusta in April and to Louisville in May 2013 are now available exclusively to Georgia Tech alumni and friends.

The Kentucky Derby is known as the most exciting two minutes in sports, and it lives up to that billing. But the race is only one reason to attend.

The Derby has been called one of the "top 10 events to experience in a lifetime" by *Forbes* magazine. The tour includes tickets to the 139th "Run for the Roses," the premier event in thoroughbred horse racing. Other amenities include a welcome reception, tours of a horse farm and a distillery, souvenirs and giveaways.

"It was an outstanding Derby

experience. We loved it all, the horse farm and distillery tours as well as Derby Day at Churchill Downs," said Alice MacDonald, who traveled to the Kentucky Derby with a previous Alumni Travel tour.

The Master's is one of golf's premier events, set among the towering pines and stunning dogwoods and azaleas at



storied Augusta National.

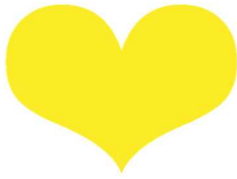
The trip includes selected rounds, world-class hospitality at the Executive Club, gourmet meals each day, a complimentary full-service bar and private outdoor patios and lounges.

"It was a most memorable experience," said Michael

Goldmeier, BC 73, after going to the Master's on a previous Alumni Travel trip. ▲

Want to attend the Derby or the Master's? More information is available at gतालumni.org/travel, or by calling Martin Ludwig, director of Alumni Travel, at (404) 894-0758.

i



If you're itching to travel the world, who better to globe-hop with than your fellow Yellow Jackets? The Georgia Tech Alumni Association has a bevy of trips planned for 2013 that will guide travelers through the sites of the Civil War and World War II, as well as so much more. **For more information or to register for any of these trips, visit gtalumni.org/travel.**

Civil War and Southern Culture, April 5-14 Experience the culture and architecture of the South as you discover the legends, the glory and the magnitude of the American Civil War along the shores of the Mississippi River. The luxury steamboat American Queen takes you to ports in Arkansas, Mississippi and Louisiana.



Flavors of Tuscany, April 26-May 4 What could be a better way to discover the heart of Tuscany than tasting, learning and engaging with inspired Italian chefs and proud producers of its finest ingredients? Explore bountiful markets, menus with unforgettable flavors and your own knack for creating tantalizing Tuscan dishes while visiting historical and cultural treasures.

China and the Yangtze River, April 30-May 13 Visit the legendary sites of Beijing: Tiananmen Square, the Forbidden City, the Summer Palace, the Temple of Heaven and

the Great Wall. Continue to Xian, site of the terra-cotta army of nearly 8,000 life-size warriors. Then board a ship at Chongqing for a three-night cruise on the Yangtze River with a final stop in Shanghai.

Mediterranean and Greek Isles Cruise, May 4-15 Experience Mediterranean cities and ports aboard Oceania Cruises' newest ship. Begin with a day in Venice to savor the canals and bridges. Sail to Koper, Slovenia, and walk its streets framed by grand architecture from past centuries. Explore Kotor, a medieval town enclosed by impressive walls. Sail to Greece and experience the islands of Corfu, Monemvasia and Santorini. Conclude your trip in Ephesus, Turkey, famed for remnants of its ancient past.



Celtic Lands, May 9-18 Cruise for eight nights aboard the deluxe M.S. Le Boreal from Edinburgh, Scotland, to Wales, Ireland and France. Dwight David Eisenhower II, grandson of President



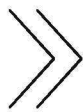
Dwight D. Eisenhower, and historian Celia Sandys, granddaughter of Prime Minister Winston Churchill, will offer exclusive lectures. Excursions include the D-Day landing beaches in Normandy and the UNESCO World Heritage sites of the Neolithic Ring of Brodgar and Skara Brae on the Orkney Islands.

Normandy and Paris, May 19-28 Experience the powerful memories and valor of World War II and the culinary and creative masterpieces inspired by Normandy's rich culture and pastoral landscapes. Delight in the charming town of Honfleur and visit Monet's home and studio in Giverny, among other tours. Then join a panoramic tour and see the world-renowned monuments and fashionable avenues of Paris.





ramblin' roll



Maxie Baughan, IM 60, was inducted into the Philadelphia Sports Hall of Fame.

1940s

Herb McAuley, EE 47, was inducted into the Georgia Aquatic Hall of Fame. McAuley left Tech to join the Army Signal Corps during World War II, then returned to complete his degree. He worked as an assistant swimming coach under Fred Lanoue, then succeeded Lanoue and served as head coach of the Yellow Jackets for 23 seasons. He is a member of the Georgia Tech Hall of Fame.

1950s

Maxie Baughan, IM 60, was inducted into the Philadelphia Sports Hall of Fame. He played with the Eagles from 1960-65, making five Pro Bowls and leading the team to the 1960 NFL title. Baughan was Tech's captain and an All-American. He is a member of the Georgia Tech Hall of Fame and the College Football Hall of Fame.

Douglas Buddy Fowlkes, IM 52, was inducted into the U.S. Track and Field-Gorgia Hall of Fame. He coached the Georgia Tech track and field teams from 1965 to 1992. In his time at Tech he guided three Olympic medalists, two world record holders, 10

NCAA champions, 50 All-Americans, 77 ACC champions and 126 All-ACC selections.

Will Gordon, IM 51, MS IM 56, was awarded an Honorary Doctor of Humanities degree from Bluefield College in Bluefield, Va., last December. Gordon was a professor of business at Bluefield for four decades before his retirement a few years ago. In 2009 he was honored as Faculty Emeritus.

Stanley P. Steinberg, Arch 54, was named to the Board of Directors for the Cancer Treatment Centers of America's Newnan hospital. He is also the independent director for GameStop Corporation.

1960s

Robert "Syd" Spain, Arch 66, M Arch 74, M CP 74, retired from the University of Mississippi, where he served as executive director of Insight Park. Spain worked in research at the National Institute of Standards and Technology, and as an urban planner for the Atlanta Planning Department. He later served as associate dean of architecture at Auburn University and directed the development of the Auburn Research Park.

Jerry D. Warshaw, IM 67, was inducted into the National Apartment Association's Hall of Fame. He is president of Warshaw Properties in Atlanta.

Alan N. Willson Jr., EE 61, received the 2012 Darlington Award. The Darlington Award recognizes the best paper bridging the gap between theory and practice, published in *IEEE Transactions on Circuits and Systems*. Willson is a professor at UCLA.

1970s

Albert Brannen, Psych 78, was included in *The Best Lawyers in America 2013*. He is a partner and team manager in the Atlanta office of Fisher & Phillips LLP.

Joseph B. Cofer, IE 72, was named a Tennessee Medical Association Public Health Champion. He is a general surgeon at Erlanger Medical Center in Chattanooga, Tenn.

Edward A. Alex Gregory, Text 70, received the 2012 Mike Mansfield Award from the Japan-America Society of Georgia. The award recognizes those who foster goodwill between the United States and Japan.

Robert B. Howard, CE 71, EnvE 72, was recognized for his environmentally friendly backyard renovation at his home in Peachtree Corners, Ga. He has worked as an environmental engineer for the EPA since 1972.

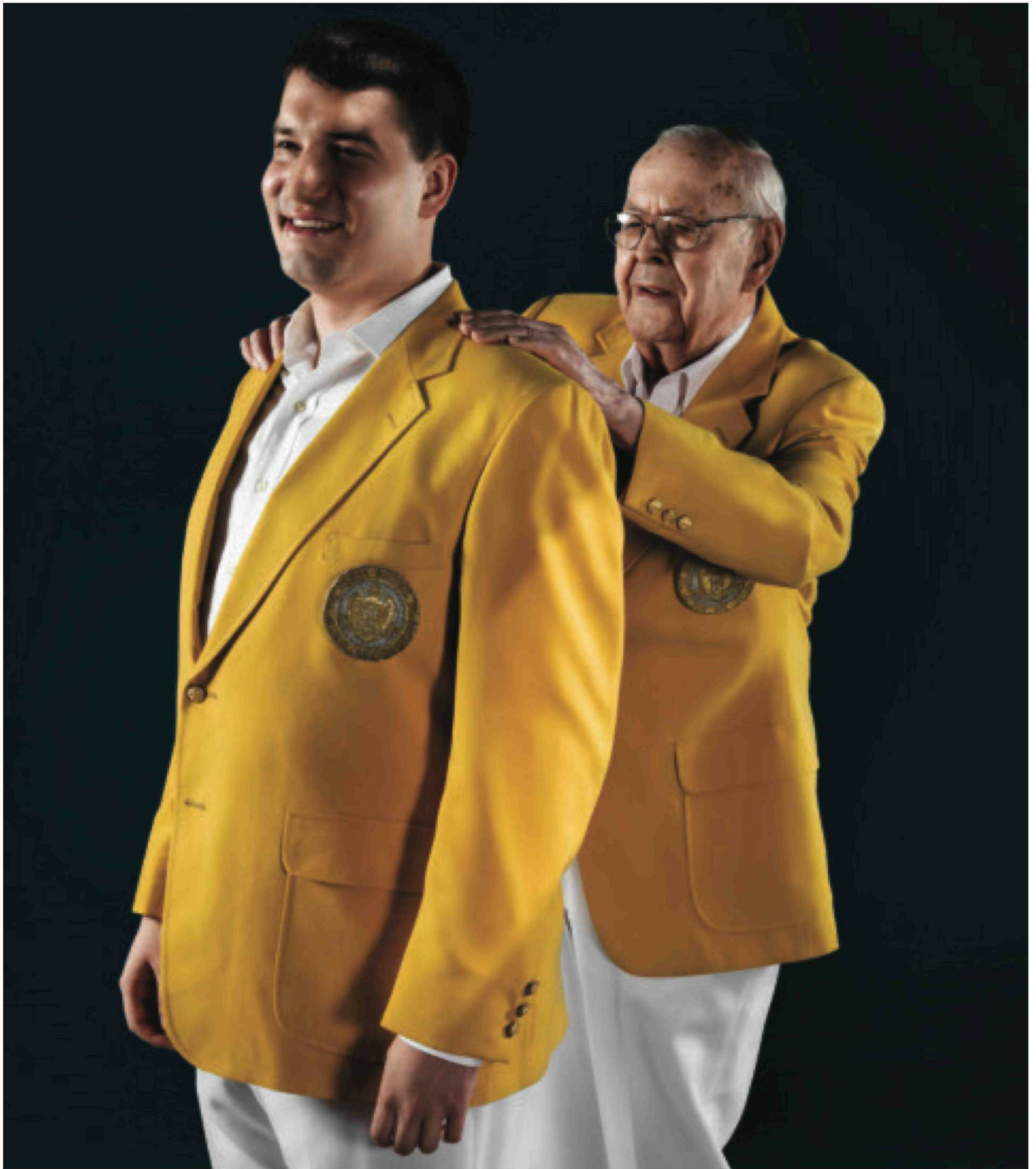
Frederick A. Massey Sr., IM 76, is the owner and founder of Massey Automotive in Marietta, Ga. He recently helped lead a team of five churches to build a day facility for MUST Ministries in Georgia.



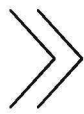
Designer Runs Away with Honor

This July, Rachel Campbell, ID 05, got a thrill few designers can claim: watching the 60,000-plus runners of the annual Peachtree Road Race pour through the streets

of Atlanta wearing a T-shirt bearing her design. Campbell, co-founder of the design firm LogosAtlanta, crafted this year's winning design. And, of course, she proudly ran the race in her own creation.



DYED-IN-THE-WOOL YELLOW JACKETS † **Albin Turbak, PhD Chem 57**, returned to the Institute in 1982 to serve as director of the School of Polymers and Textile Engineering. Through some hard work, Turbak tracked down a sample of original 1800 Tech Gold fabric—the urtext of Georgia Tech’s official gold color. Using computer matching, he had several hundred yards of wool/nylon fabric dyed to the exact shade. Most of the fabric went to a handful of Tech’s top administrators and donors, but Turbak held some back. “Along the way I had one sport coat made for myself, and, in the hope that one day perhaps one of my grandchildren might consider going to Tech, I had a spare coat made,” Turbak said. Thirty years later, in May 2012, his grandson **Casimir Turbak** earned a degree in business administration from Tech. To celebrate, Albin Turbak gave Casimir the spare jacket. Anyone who wants a jacket of his or her own is out of luck, Turbak said. “Now that the Textile Engineering School has been demolished, there is no way to ever get another batch of original gold color fabric.”



Sue Oltman, EE 83, served as a NOAA teacher at sea studying oceanographic patterns in the eastern tropical Pacific Ocean.

Ray W. Miller, ChE 72, was named chief business officer of Verdezyne, Inc. Miller is an Academy of Distinguished Engineering Alumni inductee at Georgia Tech.

Stefan V. "Steve" Stein, EE 77, was named one of *Florida Trend's* 2012 Legal Elite.

Bryant Mason Stone, IE 72, retired after a 30-year career as a civilian engineer in the Air Force.

Steve Hopper, IE 86, co-founded StoneCross Group, a supply chain management consulting firm located in Atlanta.

Antonio McKay Sr., Cls 87, was inducted into the U.S. Track and Field-Georgia Hall of Fame. He is a two-time national champion, won two gold medals as a part of the 4x400 relay team in the 1984 and 1988 Olympics, and also earned an individual bronze medal in the 400-meter dash in 1984.

Sue Oltman, EE 83, served as a NOAA teacher at sea studying oceanographic patterns in the eastern tropical Pacific Ocean. She is a sixth grade teacher at Kittredge Magnet School in Atlanta.

Liset Robinson, Arch 83, M Arch 85, has been named educator of the year by the International Interior Design Association. She is currently an interior design professor at the Savannah College of Art and Design in Atlanta.

Chuck Shaughnessy, EE 83, vice president of Harris Corporation's LTE business, was appointed to its board

of directors. He was recently featured in a press release from the Telecommunications Industry Association, the leading association representing the manufacturers and suppliers of high-tech communications networks.

Charles Nils Smith, EE 85, was promoted to vice president of the signal exploitation and geolocation division at Southwest Research Institute in San Antonio, Texas.

Edward Stoner, IM 89, was named the NACAD Athletic Director of the Year. Stoner is the athletics director at the Multnomah Athletic Club in Portland, Ore.

Douglas B. Turner, EE 88, is the president and owner of Control Southern Inc., named one of the 50 fastest growing private companies by the *Atlanta Business Chronicle*.

Bob Wallis, CE 85, opened Macrobatix, an Authorized Apple Retailer and Service Provider in Johns Creek. He was recently featured as the executive profile in the *Atlanta Business Chronicle*.

1980s

Michael A. Abt, CE 81, joined architecture and engineering firm Barge, Waggoner, Sumner, and Cannon, Inc. as manager of project services for the firm's industrial and building services unit.

Gerald V. Trey Anderson III, BC 82, was elected as an officer of the Georgia commercial construction association. He is president of Anderson Construction Company in Fort Gaines, Ga.

Decie Autin (Dorothy Burnett), ChE 80, is a project executive with ExxonMobil working on the Papua New Guinea LNG project.

Constantinos A. Balaras, MS ME 85, PhD ME 88, was named vice president of ASHRAE. He is the research director at the Institute for Environmental Research and Sustainable Development, in Athens, Greece.

Wayne Haynie, CE 82, was hired as the regional water practice manager in the Atlanta office of Burns & McDonnell. He is a registered professional engineer and serves in the Georgia Association of Water Professionals.



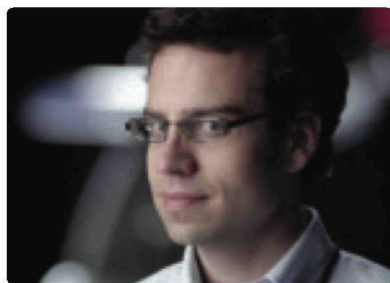
Scogin and Elam Nab National Design Award

In July, some of the finest minds in the design world gathered at the White House for a luncheon honoring the winners of the 2012 National Design Awards.

In a ceremony presided over by first lady Michelle Obama and Smithsonian Institution Secretary **G. Wayne Clough, CE 63, MS CE 65**, Tech grads **Mack Scogin, Arch 67**, and **Merrill Elam, Arch 71**—a husband-and-wife team of architects—were among the year's honorees, recognized for their "diverse body of work ... uniquely characterized by profound rigor tempered by childlike innocence."

Scogin and Elam have collaborated for more than four decades, their work often bridging disciplines and mediums. The National Design Awards are sponsored by the Smithsonian's Cooper-Hewitt Design Museum. Clough served as president of the Institute from 1994 to 2008.

JUSTIN BERGER, ME 11, GOES ON A 'FRESHPEDITION'

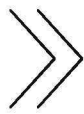


If you saw any of the Olympics this summer, you might have seen Justin Berger, ME 11—but he wasn't vying for a medal. He wasn't even at the games. He was keeping cool elsewhere—quite cool, actually, as the star of a series of commercials for GE's new French door refrigerators. Berger's no actor, though. He's an engineer who helped design the fridges. The ads feature him and celebrity chef Ben Sargent road-tripping around the United States to show just how fresh the GE appliance can keep its contents. To see webisodes chronicling Berger's trip, visit freshpedition.com.

Out & About



1. Raúl Pino, EE 89, MS EE 91, and Annie Antón, ICS 90, MS ICS 92, PhD CS 97, rest atop Omu Peak in the Transylvanian Alps on a trip with Trekking for Kids. **2.** Ryan Johnson, IE 05, and Caroline Jones, IE 09, got engaged on top of Pulpit Rock in Norway in July. Jones shows off a copy of the *Alumni Magazine* (and a certain ring on her left hand). **3.** Aaron Scott, MS ME 08, at right, enjoys the view from White Mountain Peak in California with a friend. **4.** Beth Logan, EE 86, MS EE 86, and a friend wear Tech jerseys while taking part in the annual Bike Ride Across Iowa. **5.** Van Fletcher, CE 81, cheers for the Yellow Jackets along with his son, Van Jr., a first-year student at Tech, and daughter Catherine, a second-year. **6.** Mandy Kelley, IE 93, hangs out with Tech senior tennis star Kevin King at the BB&T Atlanta Open. **7.** Michael Meltzer, Mgt 99, and David Raab, ChE 00, pose in front of Jerusalem's old city wall. **8.** The San Diego Network hosts a send-off party for accepted students. **9.** L-R: Students Lily Ponitz and Allie George and alumnae Susan Davis, Biol 91, and Emma Bones, EE 12, traveled over the summer to Nicaragua to test mapping and monitoring software. **10.** L-R: Byron Foster, CE 65; Tracy Hendren, CE 94, MS CE 98; and Chris Smith, CE 84, visit the construction of the Portuguese Arch Dam in Puerto Rico. **11.** Attendees at the Alumni Affinity Group networking mixer gathered food and supplies for the Atlanta Day Shelter for Women and Children.



Cynthia Warrick, MS PP 94, was named the interim president of South Carolina State University.

Wrecks Help Curiosity Rover Ramble to Mars



This summer, when the Curiosity rover touched down on the red planet, a few of Tech's own were among the NASA scientists and researchers celebrating back on Earth. **Devin Kipp, MS AE 05**, and **Ravi Prakash, MS AE 05**, worked as part of the Mars Science Laboratory's entry descent and landing team since 2005, joining **David Way, PhD AE 01**, a member of the team since 2002. The Curiosity rover is humankind's most ambitious foray onto the terrain of another planet. The seven minutes it took to successfully land were the result of more than 10 years of research, testing and painstaking simulation.

Scott Williams, AE 84, assumed command of the Air National Guard Readiness Center on Aug. 7. Williams is a brigadier general and previously served as director of the South Carolina Joint Force Headquarters Joint Staff.

Nomar Garciaparra, Cls 95, was inducted into the College Baseball Hall of Fame. He played three seasons on the Flats, ending in 1994 with Tech's first College World Series appearance.

1990s

Dorinda Carter Andrews, IE 97, was promoted to associate professor of teacher education at Michigan State University, a tenured position. She recently received the Outstanding Supervisor Award from the university's student employee union.

Andrew Ibbotson, IE 98, was named Business Person of the Year by the Metro Atlanta Chamber. He was also named the 2012 Entrepreneur of the Year at the TiECON Southeast Conference. Ibbotson is the CEO of Digital Assent in Atlanta.

Willie L. King Jr., MS CE 98, was recognized by *The Network Journal* as one of its annual 40 Under 40 Honorees. Winners were selected from a pool of top-level business executives nationwide.

Annie I. Antón, ICS 90, MS ICS 92, PhD CS 97, was named a professor and chair of the School of Interactive Computing at Georgia Tech in July.

Weldon C. Knighton, EE 99, was named director of engineering at Integrity Integration Resources in Plano, Texas.

Don Bush, M Arch 96, has joined Lord, Aeck & Sargent as a principal and leader of the architecture firm's science and technology practice area.

Ricardo Leon, AE 98, co-founded KnackMaster, a tech startup in the Washington, D.C., area. The company uses mobile gaming to offer educational content for children. The company's first app, Enzo and Friends, is now available.

Cheri Carter, Mgt 92, was awarded the FedEx Five Star Award, the highest honor given to a FedEx team member. Carter is a senior human resources manager in Clarkston, Ga.

Donald "Doc" Lumpkins, IA 95, was appointed to the Senior Executive Service as the new director for the national exercise division at the Department of Homeland Security. He will oversee the testing of the nation's preparedness to deal with terrorism, among other threats and hazards.

Derek B. Cook, EE 96, accepted the position of manager of pricing analytics at NCR Corporation in Duluth, Ga.

Evan W. Fleisher, IE 90, was promoted to senior supply chain business analyst at the Vitamix Corporation in Cleveland, Ohio.

Brian Ranck, Mgt 98, has joined the Atlanta office of J.P. Morgan Private Bank. Brian and his wife, Sherry, have two children.

Robert Frost, PhD NE 90, led his company, Nuclear Safety Associates, to acquire a nuclear safety and risk technologies company in New Mexico.

Christopher Rawlins, Arch 95, starred in the film *Modern Tide: Midcentury Architecture on Long Island* by Design

Onscreen. He is also the author of *The Architecture of Seduction: Horace Gifford and the Invention of Fire Island*, to be published next Spring. He is the principal of Rawlins Design, an architecture and interiors firm based in Manhattan.

Steven A. Rosser, CE 93, was named president of the Keewin Real Property in Winter Park, Fla. He previously served as Florida Land Manager for NVR Inc.

C. Brent Smith, IE 99, and **Courtney Robinson Smith, Mgt 00**, have returned to Midtown Atlanta from New York City. Brent accepted a position with Piedmont Office Realty as Senior Vice President of Strategic Investments.

James Taylor, EE 91, recently began a new job as the research coordinator of the Peter Kiewit Institute at the University of Nebraska.

Cynthia Warrick, MS PP 94, was named the interim president of South Carolina State University.

Ben Weissman, ME 99, was named a partner with Jordan & Skala Engineers, Inc., in Texas.

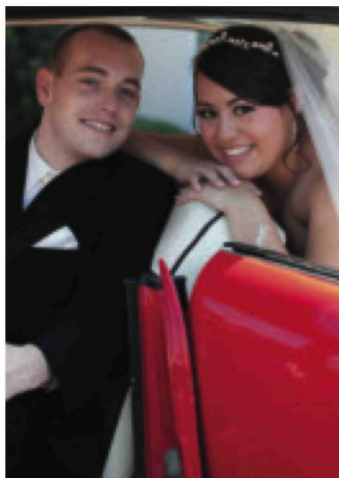
David Fuzzy Wells, AE 91, retired from the U.S. Air Force as a Lt. Col. after more than 20 years of active duty. His retirement ceremony was held at the U.S. Air Force Academy on June 14, 21 years to the day of his commissioning. He begins his civilian career as Technical Director of U.S. Pacific Command's Cyber War Center in Ford Island, Hawaii.

Jeremy T. Wilson, HTS 95, won the 2012 Nelson Algren Award for Short Fiction presented by the *Chicago Tribune*.

2000s

Charles Anderson, CS 05, is the owner and lead instructor at Rowbot Fitness, an indoor rowing facility in Atlanta.

WEDDINGS



Brian Amory, EE 10, and Allison Warburg on Oct. 23, 2011 in Savannah, Ga. Amory works as an electronics engineer.



Zachary Aten, Econ 10, and **Mary Lacin, Arch 11**, on July 28 at Georgia Tech's Academy of Medicine. Zachary works in nonprofit management and Mary is in law school at Georgia State University.



Russell Brown, Mgt 02, and Carly Sinclair Brown on April 14. Russell is a partner and head

trader at Cornerstone Investment Partners.



Jeff Burton, ME 08, and Tara Daniels on May 12 in Seattle. Jeff is an engineer at Boeing.



Paige Guy, Mgt 07, and **David Todd, Mgt 07**, on April 14 in LaGrange, Ga.



Deidre Meiggs, MS Chem 10, PhD EAS 10, and James Harrison on Feb. 11. She is an assistant professor at Life University.



Tom Minderman, IE 10, and **Christina Morton, IA 07**, in March 2012 in Atlanta. Christina works at Booz Allen Hamilton as a senior consultant, and Tom is a manager in energy trading for Competitive Power Ventures. The couple lives in McLean, Va. Groom's parents: Peter Minderman, ChE 79, MS ChE 81, and Ellen Garvey, IE 80.



Adam Pratt, BC 08, and **Amanda Rigg, IE 10**, on May 18 in Atlanta. They live in Atlanta, where Adam is a project engineer at McCarthy Building Companies and Amanda is a team lead in client support at Surgical Information Systems. The newlyweds left in the Ramblin' Reck to begin their honeymoon.

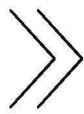


Nicole Erickson Roe, BC 09, and **Geoff Roe, BC 09**, on June 9.

Matthew Swanburg, Mgt 07, and Peter Williams on Sept. 8. The couple lives in San Francisco, where Matthew works as a senior merchandiser for menswear at Gap.



Torion Lenette Wright, Mgt 04, and David Kent Jr. on April 28 in Atlanta. She is currently the assistant vice president of the Federal Reserve Bank of Atlanta.



Ezequiel Zorrilla, ChE 04, and Gioconda Narvaez Zorrilla, CmpE 04, celebrated the induction of their 2-year-old son, Wolfgang Gutierrez Zorrilla, into American Mensa.

Shane Bechler, ChBE 06, defended his doctoral thesis and received his PhD in chemical engineering from the University of Wisconsin-Madison. He has accepted a position with Thermo Fisher Scientific in Sunnyvale, Calif.

Courtenay Bird, MS DM 09, joined Union Metrics as the head of business development for TweetReach, a real-time analytics platform for Twitter based in San Francisco.

Steven Blackwood, Bio 07, graduated from the Medical College of Georgia in May and will continue his training in orthopedic surgery at the Medical College of Wisconsin.

Brad Edwards, IE 06, MS Stat 07, has started georgiatechticketstubs.com, displaying his collection of Georgia Tech football ticket stubs from 1924 to today.

Kelly Chickini Fierro, Mgt 01, was promoted to senior brand manager at the Coca-Cola Company.

Pete Fierro, ChE 00, was promoted to manager at A.T. Kearney in Atlanta.

James Fullton, Arch 02, joined Yale University's Facilities Planning & Construction group as a senior planner in spring 2012. Fullton previously worked as an architect at Pickard Chilton in New Haven, Conn.

Woody Giles, M CRP 07, is a planner with Tunnell-Spangler-Walsh & Associates, an Atlanta-based planning, architecture and landscape architecture firm. The firm has been working on a unique approach to creating master plans for college campuses.

David Herren, Bio 07, graduated from the Medical College of Georgia in May and will continue his training in Ophthalmology at Vanderbilt University.

Jennifer Howard, IE 01, has joined the Dunwoody Chamber of Commerce as the youngest member in the board's three-year history. She is a financial adviser with Edward Jones.

Nickolas Kingsley, EE 02, MS EE 04, PhD EE 07, was named the director of engineering at Auriga Microwave in Chelmsford, Mass. He also serves as a steering committee member for the IEEE International Microwave Symposium.

Rob Kischuk, CE 00, received an investment from Mark Cuban, owner of the Dallas Mavericks, for his social search engine optimization platform for digital marketers and consumer brands. He is the CEO of Badgy, a social marketing startup in Atlanta.

Scott Marlette, EE 04, was honored with a TechFellow award for his outstanding leadership in engineering.

He helped develop Facebook Photos and oversaw development for Groups, Events and Inbox functions. Marlette also created GoodRx, an internet startup that enables people to find the best prices for prescriptions.

Linda Thomas-Mobley, PhD Arch 00, is the winner of the 2012 Carol A. Kueker Construction Education Visionary Award by the National Association of Women in Construction Education Foundation. Thomas-Mobley is chair of the construction management program at the NewSchool of Architecture and Design. She also was named the 2012 Executive of the Year by the NAWIC San Diego Chapter.

David Moeller, ME 02, won this year's Top Up-And-Coming Entrepreneur award at the TIECON Southeast Conference. He is the founder and CEO of CodeGuard, a current member of the Georgia Tech Advanced Technology Development Center.

Tara Murphy, IA 04, was named one of the 99 most influential foreign policy leaders under the age of 33 by *Diplomatic Courier* and Young Professionals in Foreign Policy.

John J. Reap, MS ME 04, PhD ME 09, was appointed to the founding faculty of the engineering program at Quinnipiac University in Hamden, Conn. He is an assistant professor of



Yellow Jackets Hit the Pool, Again

In April, two Georgia Tech swim team members from decades back returned to the pool and took top honors at the U.S. Masters Swimming Spring National Championships. **John D. Corse, Cls 42**, placed first in the 50-yard freestyle, 50-yard breaststroke, 100-yard breaststroke, 200-yard breaststroke and the 50-yard butterfly. **Ed Graves, IM 51**, won second place in the 50-yard backstroke and 50-yard breaststroke, third in the 100-yard freestyle and fourth in the 50-yard freestyle. Both men were part of the team that won first place in the 200-yard freestyle relay for swimmers in the over 85 age bracket, clocking in at 3:05:24 and breaking the long-standing national record in that event by 33 seconds.

mechanical engineering in the new program, which will offer its first classes this fall. He was previously an instructor of engineering at Virginia Tech.

Jennifer Vilbig, CE 07, was named president of the Dallas Section of the Society of Women Engineers.

Nabil Wilf, Bio 06, IA 06, has held several national and international awards, including a Boren Fellowship, Fulbright award, Critical Language Enhancement award and Gates Cambridge Scholarship. He completed his PhD at Cambridge in 2011 and works as a postdoctoral researcher in the Centre for Chemical and Synthetic Biology at the Laboratory of Molecular

Biology in Cambridge.

Ezequiel Zorrilla, ChE 04, and Gioconda Narvaez Zorrilla, CmpE 04, celebrated the induction of their 2-year-old son, Wolfgang Gutierrez Zorrilla, into American Mensa. He may be the youngest member of American Mensa. Ezequiel is an international marketing manager in Miami

2010s

Seletha R. Butler, MBA 10, had her article, "All on Board! Strategies for Constructing Diverse Boards of Directors," published in *Virginia*

Law & Business Review. Butler joined Georgia Tech's Ernest Scheller Jr. College of Business in 2011 as an assistant professor of business law and ethics.

Jenny Drinkard, ID 11, developed a new modular storage system for college dorm rooms sold by Quirky, a New York startup that helps inventors put their designs into production, where she is an intern.

Blake Gleaves, CE 11, was one of four participants selected for the Commercial Rotational Leadership Development Program at Sapa Extrusions North America.

Melissa McCoy, ChBE 12, was accepted to Singularity University at the NASA Ames Research Center in Silicon Valley, Calif. She is also the co-founder & vice president of TOHL.

Krystal Persaud, ID 10, was hired as a full-time junior industrial designer at littleBits, a company focused on teaching science to kids.

Robert Rhinehart Jr., CS 12, won a capital investment seed from Y Combinator. His company, MEOW, plans to provide cell phones to the 3 billion people in the world who don't yet have them.

Christopher Stubel, EE 14, will be cycling across the country from San Francisco to Washington, D.C., on a ride called the Journey of Hope. He will be accompanied by a team of 100 Pi Kappa Phi members from chapters all over the country.

Patrick Whaley, ME 10, had his patents for weighted apparel approved by the U.S. Patent Office. He won first place at the 2010 Georgia Tech Inventure Prize and is the founder and CEO of TITIN weighted apparel.

James White, Mgt 12, was one of three Americans in the 2012 Palmer Cup at the Royal County Down Golf Club to take his singles match to the 18th hole.

Tell us what you've been up to

Have you changed jobs? Earned a degree? Won an award? Gotten hitched? We'd love to share the news with your fellow alumni.

NAME

NEWS TO SHARE

WHEN IT HAPPENED

TECH DEGREE(S)

CLASS YEAR

OCCUPATION

PHONE

EMAIL

STREET ADDRESS

CITY

STATE

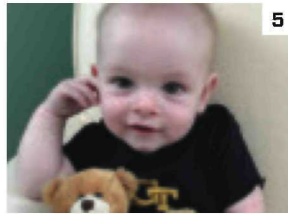
ZIP

Clip the form above and send it to Ramblin' Roll, 190 North Ave. N.W., Atlanta, GA, 30313, or email it to ramblinroll@gtalumni.org. If available, please include a high resolution photograph for publication.



Welcomed a future Yellow Jacket into your family? Send a photo and note to ramblinroll@gtalumni.org.

BIRTHS



1. Jason Albert, EE 98, MBA 08, MS BC 08, and Keri Robertson Albert, Mgt 99, recently celebrated the first birthday of their son, Camden. Big brother Carson is now 3.

2. Benoit Robinot-Bertrand, MS IE 01, and his wife, Lisa, welcomed son Julien on March 5. He joins sister Madeleine, 1, at home in Austin, Texas.

3. Donna Blalock, CE 01, and Jeremy Blalock, CIs 01, welcomed daughter Gwenth Claire on May 29. Donna is a stay-at-home mother to big sister Kellen, 2, and Jeremy is a project engineer at GulfStream Aerospace in Savannah, Ga.

4. Bird Blitch, IE 97, and his wife, Anna, welcomed son Bird Daniel Blitch Jr. The elder Blitch is a member of the Alumni Association Board of Trustees.

Margaret Watts Bolton, ME 03, MS ME 06, and Ken Bolton, ChE 97, welcomed daughter Catherine Laine on May 13. Both Ken and Margaret work for Johnson and Johnson, making medical devices in Switzerland.

Todd Cox, Mgt 99, and his wife, Haley, welcomed son Andrew Wyatt on Jan. 6. The family resides in Birmingham, Ala.

5. Jessica Stelzner Culverhouse, Biol 04, and David Culverhouse, AE 03, MS AE 04, welcomed son James Daniel on March 14. They live in Falls Church, Va.

6. Nathalie Andrae Curry, PTCh 03, and her husband, Stewart, welcomed son Wesley Peden and daughter Caroline Eliane on March 31. The family lives in Greenville, S.C.

7. Robert A Ford, CE 02, and his wife, Jessie, welcomed daughter Catherine Rachel on Feb. 29. She is named after her aunt.

Rachel Tatum Finch, CEE 08. Robert is a pediatrician with Primary Pediatrics in Warner Robins, Ga.

8. Stephen Gatto, AE 07, MS AE 08, and **Meaghan Gatto, IE 08,** welcomed son Oliver Stephen Gatto on April 25. Stephen is an advanced concepts engineer at Sikorsky Aircraft and Meaghan is a demand planning manager at Landis+Gyr.

Erika Geist Hamrick, ME 96, and her husband, Spencer, welcomed daughter Megan Elizabeth Hamrick on May 25. Erika is an engineering manager at Caterpillar. The family resides in Locust Grove, Ga.

9. Brian Heinlein, Arch 04, and his wife, Angie, welcomed William Art on May 23. He joins sisters Olivia, 5, and Chloe, 3. Brian is an Architectural Intern and CAD Manager at Revit Architecture.

10. Marilyn Phillips Jorgensen, Chem 01, and her husband, Cory, welcomed Quinn Isaiah on April 2. The family lives in Knoxville, Tenn.

11. Ami Lott Mayo, Mgt 00, and **Jeff Mayo, Mgt 02,** welcomed son John Randall on June 9. Ami is an Office Manager for Asset Advisors Group. Jeff is a Regional Sales Manager for Silverpop Systems. The family resides in Atlanta.

12. Jim Paisley, Mgt 02, and **Katie Rasberry Paisley, CE 04, MS CE 05,** welcomed son James Warren on February 14.

13. Paul Pitney, ME 00, and his wife, Christina, welcomed son Luke Alexander on Oct. 13, 2011. He joins brothers Joshua, 5, and Nathan, 3. The family lives in the St. Louis area.

Jason Prentice, Mgt 02, and his wife, Dawn, welcomed son Collier Blake on July 4. He joins big sister Kaitlyn Jade, age 2, at home in Hoschton, Ga. Jason was a basketball player at Tech. Collier's name is in part a tribute to the late **Jason Collier, Mgt 03,** Jason's former teammate. Jason works as a general manager for Scientific Games.

14. Steven Pütz, CE 10, and his wife, Katie, welcomed son Mason Alexander on July 19. The couple lives in Atlanta, where Steven is a foundation manager for Berkel and Company Contractors.

15. Dale Russell, Mgt 01, and **Mary Frances Russell, STC 03,** welcomed son Jackson Walker on April 27 in Shreveport, La. Dale is an Air Force Captain stationed at Barksdale AFB.

16. Priscilla Harmon Sager, ME 04, and **Brenden Sager, MS Econ 08,** welcomed daughter Evelyn Harmon on July 18. The family lives in Atlanta.

Kristen Brosnan Signell, MSE 99, and her husband, Steve, welcomed twins Iris and Colden on March 20. Kristen is a materials scientist for GE Global Research. The family lives in Long Lake, NY.

17. Scott Andrew Turner, EE 98, and his wife, Denise, traveled to South Korea to adopt a son, Minho. Scott is a software team lead at UL PureSafety in Nashville, Tenn.



11



12



13



14



15



16



17



in memoriam



Martial A. Honnell, EE 34, of Auburn, Ala., on Aug. 20. Merchant Marines. Radio operator, Pan American Airways. Professor of electrical engineering, Georgia Tech.

1930s

Thomas W. "Tom" Anderson,

Commerce 31, of Atlanta, on July 21. Structural engineer, Lockheed-Martin.

Frederick Bruce Avery, EE 36, of Sara-

sota, Fla., on June 29. Southern Bell Army (Major, Bronze Star), World War II. AT&T.

Tom Donnelly, Cls 38, of Jonesboro, Ga.,

on Aug. 6. Army (1st Lt.), World War II.

Edward Reid Flynt, EE 39, MS EE 53, of

Walker, Iowa, on June 19. Army (Officer), World War II. Alabama Power Company. Georgia Tech Experiment Station. Electrical Engineer, Georgia Tech Research Institute. Scientific Atlanta. Contributions to Georgia Tech Foundation.

Martial A. Honnell, EE 34, of Auburn,

Ala., on Aug. 20. Merchant Marines. Radio operator, Pan American Airways. Professor of electrical engineering, Georgia Tech. Vice president and chief engineering, Measurements Corp. Professor of electrical engineering, Auburn University. Electronics projects, Redstone Arsenal and Marshall Flight Center. Recipient, nine NASA Certificates of Recognition. Distinguished Graduate Faculty Lectureship, Auburn University. Professor emeritus, Georgia Tech and Auburn.

Ben Leightman, ChE 39, of Palm Beach,

Fla., on July 22. World War II

George Herman McBride, Cls 39, of Hill-

sborough, N.C., on Aug. 21. Army Air Corps (Lt. Col.), World War II. Electrical engineer, Western Electric Company.

Nathaniel G. McLean, 39, of Lancaster,

Pa., on Aug. 17. Army (Major), World

War II. Paper industry.

Frederick William Elmer Scott, ME

38, of Atlanta, on July 30. President, Earl F. Scott Company. Son: Frederick William Elmer Scott Jr., MS CP 73. Daughter: Mary Emilie Scott Mathis, Chem 74.

John W. Shepherd Jr., EE 38, of Salem,

Ore., on July 3. Navy, World War II. Sales, Thomas A. Edison Corp. Founder, Shepherd Equipment Co.

Raymond Shepley, ME 37, of Palm

Beach, Fla., on July 6. Army Reserve (Col.). Grandson: Douglas Mitchell Underwood, IE 91.

1940s

John Winfield Allen Jr., Cls 44, on

June 27.

Edmund Kelly Armistead, Arch 48, of

Brentwood, Tenn., on July 12. Navy, World War II. Architectural department head, Hart Freeland Roberts.

Aubrey Jefferson Bassett Jr., Basic En-

gineering 46, of Lafayette, La., on Sept. 2. Geophysicist, Shell Oil.

George Pierce Bates Jr., AE 48, of Falls

Church, Va., on June 6. Engineer, NASA.

Richard Hardy Batton Sr., Cls 42, on

Aug. 31.

J. Luke Bowen, IM 48, of Marietta, Ga.,

on June 23.

Robert E. Brooks, Chem 49, ChE 57,

of High Point, on Aug. 12. High Point Chemical Company. Burlington Chemicals.

William Jackson Camp, ChE 48, of

Decatur, Ga., on July 22. Army (photographer, Bronze Star), World War II. Head engineer, Gold Kist.

William Clarke Jr., IM 49, of Savan-

nah, Ga., on June 7. Army (two Purple Hearts), World War II. Founder, Beckmann and Clarke.

Thomas Virgil Clark, Cls 48, of Ring-

gold, Va., on Aug. 28.

H. Truman Cowart, Cls 47, of Snellville,

Ga., on July 17.

George B. Eager, ME 42, of Valdosta, Ga.,

on April 3.

William Morgan Elam, Text 49, of Mo-

obile, Ala., on July 5. Navy, World War II. Pure Oil Unocal. Chevron.

Jack P. Garison Jr., ME 49, Garland, Ark.,

on Aug. 24.

Wallace Asbury Hanson Jr., ME 49, on

Aug. 17. Owner, United Elevator Corporation. Son: Russell B. Hanson, ME 87.

Jerome Horowitz, Cls 44, of Salt Lake

City, Utah, on Aug. 31.

Hugh I. Jenkins Jr., CE 42, of Savannah,

Ga., on July 1. Army Corp of Engineers (1st Lt.). Industrial construction.

Wallace L. Jernigan, CE 46, of Homer-

ville, Ga., on July 7, 2011.

Harrison Langford Leach, Cls 47, of Del-

taville, Va., on June 28.

Sterling Paine Lenoir Jr., EE 46, of At-

lanta, on Aug. 9. Navy.

James Comer Malone Jr., ME 40, of

Birmingham, Ala., on Aug. 26. Navy (Lt. Cmdr.), World War II. Son: James Malone III, MS Phys 71.

George Stephen Mauney Sr., EE 41, of Cleveland, Ga., on June 27. Tennessee Valley Authority. Navy, Naval Reserve (Cmdr.). Creator, George S. Mauney Endowed Scholarship for the School of Electrical and Computer Engineering at Georgia Tech. Brother: Thomas Mauney, ChE 35.

William "Bill" McCabe Jr., AE 47, of Wilmington, DeL., on June 10. Navy. Tech football. DuPont Company.

Robert Slade Mott, IE 49, of Clermont, Fla., on June 14. Lockheed Martin.

George J. Myers, EE 47, of Tampa, Fla., on Aug. 27. Navy (Lt. Cmdr.). Civil service, Westover Air Force Base. James River Graphics.

Robert Allison Pendergrast, ChE 43, of Atlanta, on July 26. Manhattan Project, World War II. Founder, Pendergrast Chemical Company. Brothers: Ambrose H. Pendergrast, ChE 34, and John B. Pendergrast Jr., Text 38.

Walter Carl George Saeman, CE 40, on Aug. 3. Army, World War II. Chemical engineer, Olin Corporation.

Herbert Jackson Sherertz, IM 40, of Charlotte, NC., on June 28. Navy (Lt. Cmdr., Bronze Star, British Distinguished Service Cross, French Legion of Honor Medal, Purple Heart), World War

II. Stationed on the USS Nevada during attack on Pearl Harbor. Troubleshooter, American Viscose, FMC Corporation.

O.E. "Buddy" Smith, IE 47, of Old Hickory, Tenn., on July 20. Naval Reserve (Lt.). General Shoe Corp.

Wilbert L. Sullivan, EE 41, of Snellville, Ga., on July 5. Army Air Corps, Georgia Air National Guard. Southern Bell AT&T Pioneer. Sons, Larry, Cls 66, and David, Arch 76.

Robert M. Thompson Jr., CE 42, of Clearwater, Fla., on June 18. Navy, World War II. Owner, Thompson Construction, R.M. Thompson Developers and Consultants.

James Finch Walker, BE 46, of Smyrna, Ga., on June 23. Navy (Cmdr.). The Coca-Cola Company.

Walker Dunson Willingham, Cls 45, of Atlanta, on Aug. 29. Army Air Corps, World War II. Conditioned Air Engineers. Willingham-Tift Lumber Company. Executive vice president, Narjoe Timber Company.

1950s

Elmer Lawrence Birk, MS EE 59, of

Montclair, Va., on June 23. Military (Col.), Korean War, Vietnam War.

James Anthony Carlen III, IM 55, of Hilton Head, S.C., on July 22. Georgia Tech Football, Linebacker and Punter, 1952 national championship team. Air Force (Lt.). Assistant coach to Bobby Dodd.

Lamar M. Carter, IM 59, of Atlanta, on June 10. Mechanical engineer. President, Tolson, Simpson, & Associates.

Ambrose L. Chabot Jr., Cls 53, of Palmetto Bay, Fla., on June 29.

Joseph Wardell Clark Jr., IM 50, of Mount Pleasant, S.C., on Sept. 3. Navy, World War II. Owner, Clark Heating and A/C. Sons: Mark S. Clark, EES 74, and Cary R. Clark, EE 81.

Charles Cleveland Crawford Jr., AE 54, MS AE 70, of Dunwoody, Ga., on Aug. 14. Researcher, U.S. Air Force, U.S. Army, Georgia Tech Research Institute.

David "Charlie" Davis, EE 51, MS EE 55, of Tucker, Ga., on June 24. Army (Capt.). Southern Bell and Bell Labs. Chief engineer, the State of Georgia. Son: Charles Davis, IM 75.

Harry Code Deignan, Text 50, of Griffin, Ga., on Aug. 27. Navy, World War II. Federal Aviation Administration. Grandson: Ian Bieder, CS 06.

James C. Dunlap Jr., IM 56, of Darien, Ga., on May 30. Army. Owner, Dunlap and Company.

Donald Edward Gaston Sr., Cls 56, of Atlanta, on June 4. Army (2nd Lt.). Tax field representative, Georgia Department of Revenue. Son: Donald E. Gaston Jr., ME 80.

Eddie Washington Gilbreath Jr., IE 58, of Weekie Wachee, Fla., on Nov. 13, 2011.

Robert Hale, IM 53, of Irmo, S.C., on June 12. Navy, World War II. Georgia Tech baseball. AXA Equitable Insurance Company.

Louis "Buddy" Holtzclaw Jr., Arch 55, of Canton, N.C., on June 19. Air Force (Lt.

Ashish Dembla

GRADUATE STUDENT and RESEARCHER

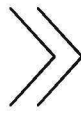
Ashish Dembla, a 26-year-old graduate student in Tech's School of Electrical and Computer Engineering and a graduate research assistant at the Marcus Nanotechnology Research Center, was killed in a car accident in July while on vacation with his family in the Smoky Mountains near Pigeon Forge, Tenn.

His parents, visiting from India, were also killed; his sister was critically injured.

At Tech, Dembla had been studying radical 3-D interconnect technologies for high-performance computing systems; he had published a number of papers on the subject, and was eyeing a teaching career. "Ashish was the best at what he did," his friend James Yang told the Atlanta Journal-Constitution. "What he had achieved in the research was far ahead of anyone in the world and is so important for the entire computer industry."



in memoriam



Jeremiah Ted Pearson III, AE 60, of San Juan Capistrano, Calif., on June 1. Marine Corp (Maj. Gen., Distinguished Flying Cross, Bronze Star). 1st Marine aircraft wing, Vietnam.

Col.). Real estate agent. Past president, Western N.C. Georgia Tech Network.

Donald M. Judd Jr., CerE 51, of Columbia, S.C., on June 21. Army, World War II. Vice president, Porce-Len Corporation. Vice president, Colite Industries. Founder, Polymeric Coatings Corporation.

Richard J. Kavanaugh, IM 55, of Shreveport, La., on July 13. Air Force. Dealer, Piper Aircraft. Publisher.

James Carroll Marlow Jr., IE 58, of Greer, S.C., on Aug. 16.

George D. May, CE 57, MS CE 59, of Atlanta, on June 18. Air Force. Professor, Georgia Tech. Engineering consultant. Grandson: Bill May, IE 10.

Lee Roper McClure, EE 50, of Columbia, S.C., on Aug. 31. COO and president, Construction Control Corporation. Teacher, Georgia Tech. Father: Lee Lafayette Roper, Arch 23. Daughter: Teresa Caron, NE 77. Granddaughter: Sarah Caron Cls 12.

Elton M. McDaniel, EE 51, of Olyphant, Pa., on Aug. 20. Navy, World War II. Electrical engineer, General Electric.

John Francis McShane, ME 54, of Roanoke, Va., on July 9. Navy (Bronze Star), World War II. Cooper Industries.

William Addison Omohundro, 55, of Atlantic Beach, Fla., on Aug. 19. Army (Special Services), World War II. GE. U.S. Surgical. Worldwide marketing director, United Technologies-Carrier Division. Son: Robert Lloyd Omohundro, Mgt 90.

John Robert Oxenfeld, Arch 51, of Greensboro, N.C., on July 13. Army. Architect, American Institute of Architects.

Albert N. "Bud" Parker, IM 58, of Atlanta on Aug. 10. Georgia Tech tennis, team captain. Navy (Officer). Private investor.

Oliver Yates "Bud" Powell Jr., IM 52, of Newnan, Ga., on July 31. Army, Korean War. General Electric. Father: Oliver Yates Powell Sr., Cls 23. Brother: Hal Powell, EE 58.

Sherwood P. "Bud" Prawel Jr., CE 53, MS CE 58, on . Marine Corps (1st Lt.). Professor emeritus in civil engineering, the University at Buffalo. International consultant, earthquake engineering design.

Edwin Greenfield Richardson, Cls 50, of Bradenton, Fla., on June 15.

Donald O'Dell Ricketts, ME 50, of Indian Springs Village, on Aug. 24. Army. Continental Gin Company. Senior vice president, Steward Machine Company.

Robert Alexander Sheffey Jr., EE 50, of Abingdon, Va., on Aug. 11. Navy, World War II. Engineering supervisor, Appalachian Power Company.

Ernest S. Silcox, CE 50, of Lutz, Fla., on July 8, 2011. Navy, World War II. Founder, Silcox Engineering.

Ronald Eugene Sineway, Arch 53, of Atlanta, on June 11. Architect, Toombs, Armisano and Wells, the Facility Group. Designer, Peachtree Summit Building, Lenox Square and the Woodruff Arts Center. Son: Michael Sineway, Chem 75. Grandson: Daniel Sineway, ME 03.

William V. Thaden, IM 54, of Stratham, N.H., on June 19. Georgia Tech Football, National Championship team. Marine Corps (fighter pilot). Captain, Eastern Airlines.

David H. Thomas, MS EE 54, of Colorado Springs, Colo., on Aug. 2. Army (Col.). Distinguished Pistol Badge.

J. George Trunk, ME 50, of Rock Hill, S.C., on June 15. Marines (Capt, Purple Heart), World War II. Celanese.

Charles Darden Whitaker, EE 52, MS EE 58, of Washington Township, N.J., on Aug. 17. Army, Korean War. Centerville City School Board. Owner, Dayton Speedometer Service.

Mack L. Williams Jr., ChE 54, of Fairhope, Ala., on June 24. Navy, World War II.

Robert A. Young, Phys 50, MS Phys 51, of Sandy Springs, Ga., on June 13. Army, World War II. Professor Emeritus, Georgia Tech.

John Charles Ziemba, EE 57, of West Chester, Pa., on Aug. 5. Navy, Korean War. Boeing.

1960s

Harry G Barker, IM 65, of Tampa, Fla., on July 25. Lockheed Computer Sciences. General Telephone and Electronics Corporation.

John Edwin Brewer, IE 66, of Denison, Texas, on May 26. Navy. Systems analyst, Westinghouse.

Malcolm R. "Mac" Broaddus Jr., IM 60, of Richmond, Va., on Aug. 7. Army (1st Lt.). Sales and management, AMF Bakery Systems. Son: Scott Broaddus, Arch 88.

John Robertson Byers, MS ME 61, of Paducah, Ky., on July 29. Army (Col., the Legion of Merit, the Soldiers Medal, the Bronze Star, the Air Medal, the Joint Service Commendation Medal,

the Army Meritorious Service Medal, the Army Commendation Medal and the Purple Heart), World War II, Korean War and Vietnam War. Chief of Armor Branch, Joint Chiefs of Staff Manager, Data-Design Laboratories.

Tom Roberts

D.C. FIXTURE, SMITHSONIAN BENEFACTOR

Tom Roberts, IE 59, of Washington, D.C. on June 11. In 1978, when he was 41, Roberts had already become CEO of and sold off Southern Boiler and Tank Works, the nuclear-reactor component manufacturer his father had founded; the next phase of his career took him to Washington, D.C., where he worked as treasurer of George H.W. Bush's 1980 presidential campaign. Next, he took up a post on the Nuclear Regulatory Commission, serving until his retirement in 1990.

That was his public career, at least. Until his death, few knew of the private pursuit that defined much of his life: his passion for rare, antique violins—an interest he picked up after his daughter began taking lessons in the 1970s. For almost 20 years he owned the infamously prized “Hellier” violin crafted by Antonio Stradivari in the late 1600s; in 1979, that Hellier plus another Stradivarius were among the more than a dozen rare Italian instruments he loaned out to the Smithsonian's National Museum of American History. (His collection also included a violin owned by Benito Mussolini.)

Billy Franklin Carver, IE 69, of Atlanta, on June 14. Georgia Power Company.

Joseph Luck Chandler Sr., IM 60, of Alton, Va., on Aug. 10. Air Force, Korean War. Board of directors, Carter Bank and Trust Company.

Ralph Guthrie Dekle, IE 60, of Kinston, N.C., on July 7. Industrial engineer, DuPont. Marines, World War II, Korean War.

Joseph Watson Goodson, ID 61, of Columbus, Ga., on July 29. Owner, Tracy Limited, Pacemaker, Indon International.

Robert Arthur Holden, IM 60, MS IM 61, of Atlanta, on Aug. 9. Navy, Korean War. Eastern Airlines.

Jackson Warren Horne, IM 62, of Lilburn, Ga., on July 21.

William R. Humphlett III, IM 62, of Sandy Springs, Ga. on July 29. Coast Guard. Vice president, C&S bank. Founder, Fidelity Properties.

William D. Kilgore Sr., Text 62, of Piedmont, S.C., on July 22. Navy, Korean War. Dixie Converting. Michelin North America.

Wayne A. Lessig, IE 64, of Alpharetta, Ga., on July 12. Army, Vietnam War.

Maurice Arnold McConnell, IM 64, of LaFayette, Ga., on June 10. Branch manager, IBM.

William T. Mikolowsky, AE 68, MS AE 70, PhD AE 72, of Woodstock, Ga., on July 24. Lockheed, “Father of the C130J.” Professor of aerospace engineering, Tech. Memorial contributions: Georgia Tech Scholarship Fund.

Charles Willard Minch, ME 65, MS ME 69, of Spartanburg, S.C., on June 23. Instructor, Greenville Technical College. The Piedmont Group.

Clayton R. Paul, MS EE 65, of Lexington, Ky., on June 27. Professor, University of Kentucky, Mercer University. IEEE EMC Society's Hall of Fame Award.

Jeremiah Jed Pearson III, AE 60, of San Juan Capistrano, Calif., on June 1. Marine Corp (Maj. Gen., Distinguished Flying Cross, Bronze Star). 1st Marine aircraft wing, Vietnam. Deputy commander of Marine central command, Operation Desert Shield/Storm. Head of manned space flight, NASA (NASA Distinguished Service medal, NASA Outstanding Leadership medal). Senior vice president for systems development and integration, Lockheed Martin.

William Prince, EE 61, of Columbia, Md., on May 17.

Gary Glenn Pyles, CE 67, of Savannah, Ga., on July 17. Engineer, Sea Pines Corporation. Founder and owner, Annapolis Development.

Gene Rivers, IE 62, of Elijah, Ga., on April 12.

James Thomas Rocker, IE 64, of Winter Haven, Fla., on July 29. Navy (Cmdr.), Vietnam War. President and CEO, R-S Insulation. Daughter: Tracey R. Brown-ing, Mgt 91.

Marvin Price Smoak, Phys 66, of Lexington, Ky., on July 7. Air Force. IBM. Founder, Smoak and Associates.

Frank Charles Taylor, Phys 65, of Marietta, S.C., on July 25. Physics department chair, Furman University.

1970s

Mark Thomas Dickinson, Cls 79, of Daufuskie Island, S.C., on June 20.

John Edward Dulla, IM 78, of Avon, Conn., on June 1. Industrial engineer and entrepreneur.

Mark Ehrhardt, ME 75, of Houston, Texas, on March 24, 2011. Senior engineering associate, ExxonMobil.

John M. Foster, EE 72, of Stockbridge, Ga., on June 12. Systems analyst, Advanced Control Systems.



in memoriam



*Daniel Pendarvis III, IE 70,
on July 30. Navy (Legion of
Merit, Meritorious Service Medal,
and the Navy Commendation Medal)*

Timothy D. Hassett, MS CE 74, of Dallas,
on June 1. Navy. Engineer, CH2M Hill

Christopher Morrison Jones, Cls 74, of
Gainesville, Ga., on June 12.

James B. Jones, Phys 79, of Seattle on
July 28. Psychiatrist.

Jack W. Kale Jr., Phys 74, of Dothan, on
July 30. Senior engineer, Southern Nu-
clear Plant Farley.

Ellen Killelea, Arch 74, of Chelmsford, on
June 16. Rochester, NY. Executive, con-
struction industry.

Frederick Meiwald, MS InfoSci 70, of
Las Vegas on Aug. 8. Air Force (Col,
Legion of Merit, Meritorious Service
medal, Joint Service Commendation
medal). Communications command,
strategic air command, space com-
mand, U.S. Air Force.

Daniel Pendarvis III, IE 70, on July 30.
Navy (Legion of Merit, Meritorious
Service Medal, and the Navy Com-
mendation Medal)

Jeff L. Smith, IM 75, of Huntsville, Ala.,
on June 13. Georgia Tech football In-
dustrial Engineer, Chrysler.

1980s

Douglas Keith Ash, IE 87, of Commerce,
Ga., on June 27. Navy (Lt. Cmdr.).
Surgeon.

Richard Michael Librizzi, EE 87, of
Herndon, Va., on May 30. Software En-
gineering Institute of Carnegie Mellon
University.

Phillip R. Mitchell Jr., Mgt 87, of Ma-
con, Ga., on July 10. The L.H. Thomson
Company.

Brad Smith, ME 89, of Marietta, Ga., on
Aug. 28. Lockheed

Harry R. Stamper III, IM 82, of
Atlanta, on July 1. Navy. President,
Municipal Communications. Memo-
rial contributions: Harry R. Stamper
III Memorial Fund, Georgia Tech
Foundation.

1990s

John S. Cooper, Mgt 91, of Atlanta, on
Nov. 17.

Jeffrey Nause, CerE 91, MS CE 93, of
Mableton, Ga., on . CEO, Cermet Inc.
Wife: Catherine Nause, Mgt 91.

2000s

Kendrick Ikeith Morrison, MS BC 06,
of Atlanta, on May 24. Creative coor-
dinator, Ralph Lauren. Founder, The
Knox Clayton Group.

Margaret Clancy Powers, Cls 00, of
Atlanta, on July 14.

Gregory M. Siebe, ME 08, of Atlanta,
on June 23. Mechanical engineer.

2010s

Bradley Robert Gay, IE 11, of
Avondale Estates, Ga., on Aug. 5.
Lambda Chi Alpha. Engineer,
Unisource Worldwide.

Paul O. Simmons, MBA 10, of Cumming,
Ga., on Aug. 8. Information technology
director, CareerBuilder.com.

Rumsey B. “Rooster” Taylor TECH’S “MYSTERY PLAYER”

Rumsey B. “Rooster” Tay-
lor, IE 50, of Princeton, Ky.,
on July 8. As a teenager, Taylor
suffered from rheumatic fever,
his spirits once lifted by a sur-
prise letter from Tech athletic
director and football coach W.A.
Alexander, who encouraged
him to overcome his illness and
make a visit to Tech once he had
recovered.

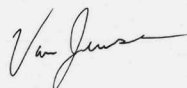
Taylor later earned a football
scholarship to the Institute. In his
first game as a Yellow Jacket, he
the 1945 Orange Bowl, Taylor start-
ed off wearing his usual number
19. But during the game’s first
half, his jersey was torn. He was
handed a replacement—num-
ber 17—and proceeded to score
Tech’s second touchdown of
the match, baffling the game’s ra-
dio announcer, who enthused
about a “mystery player” to his
audience nationwide.

Taylor’s time on campus
and on the gridiron was inter-
rupted by his Army service in
World War II, but he returned to
Tech to complete his degree and
compete again in the Orange
Bowl in 1948. He later had a ca-
reer with the Princeton Lumber
Company. Sons: Rumsey “Buz”
Taylor III, CE 76, and Dixon Tay-
lor, CE 81.

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Van Jensen, Editor

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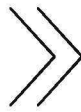
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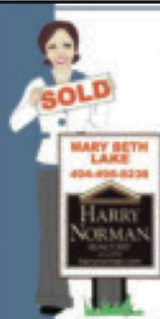
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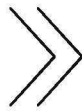
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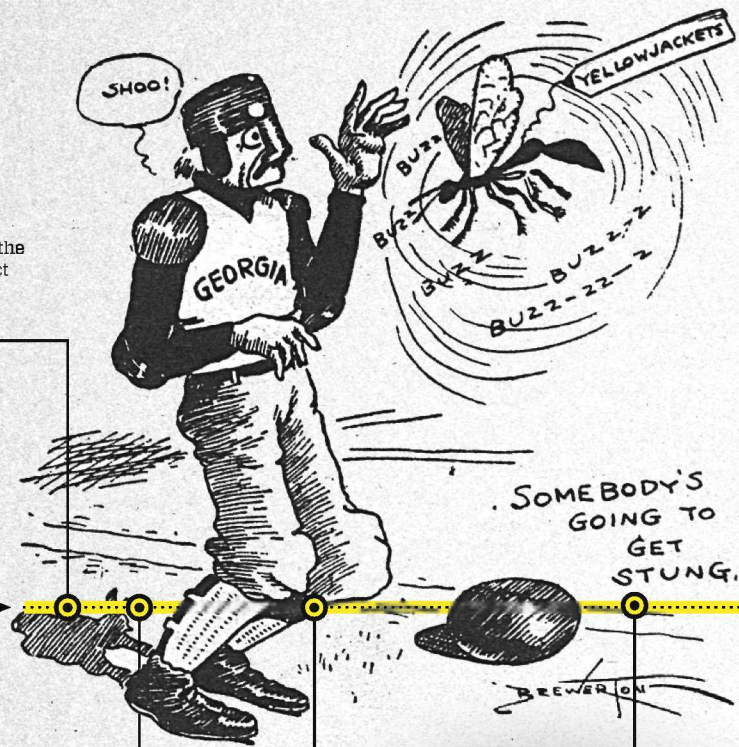
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→ **1906** By the time this *Atlanta Journal* cartoon ran, Tech fans had already been nicknamed “the yellow jackets” for the golden hue of their game-day outerwear. This is thought to be the first time the connection was drawn to the insect that would eventually become the Institute mascot.



BEFORE BUZZ

For many Tech grads, it's almost impossible to imagine a world where “Buzz” was just something you got from downing too much coffee during finals week. But for much of the Institute's history, the mischievous mascot we all know and love took a less definite form. From the early 1900s, when athletes and fans were first dubbed “yellow jackets,” until the 1980s, when Buzz as we know him finally began to take shape, the sly, fun-loving insect took many forms. With some help from the Georgia Tech Digital Archives and the Alumni Association's Living History Department, we gathered some of our favorites.

↓ **1909** Though most often associated with Tech's athletic teams, this sketch from the 1909 *Blueprint* shows the yellow jacket's more studious side.



↑ **1940** Members of Tech's ROTC unit wore olive-colored wool uniforms with blue trim and gold piping, the right shoulder sporting a U.S. ROTC emblem and the left bearing an embroidered yellow jacket insignia.



↑ **1930s** This pennant bears the name of two Tech mascots, the yellow jacket and the “golden tornadoes.”

↓
1943 The 1943 edition of the *Blueprint* was chock full of yellow jackets—some cruising in the Reck, others moving into freshman housing. And as the rest of the nation braced for World War II, the yellow jacket followed suit.



↑
1960s A sticker and some matchbooks bear a version of the yellow jacket that was common on Tech memorabilia in the '60s.



↑
1953 The Harris Gate, dedicated in 1953, bore a majestic relief sculpture of a yellow jacket. A similar design can be found on the archways of Brittain Dining Hall and on the (much newer) North Avenue entrance to the Wardlaw Building.

←
2012

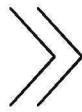


↓
1946 You know, I'm not sure she's your type.



←
1976 For the "Scorecard" section of the 1976 *Blueprint*, an illustrator depicted Yellow Jackets tackling all manner of sports, from football to ...hockey? Sure, why not.





A Date for Alexander The Great

📷 Joe Holt, IM 58

In 1958, an Atlanta publicity firm came to Georgia Tech's Beta Theta Pi fraternity house with a proposition. They were promoting the film *Alexander the Great*, and volunteers were asked to help.

Dressed as Diogenes, the Greek philosopher who searched for truth, we were not supposed to find truth, but instead we sought the most beautiful woman in Atlanta. The brother who found this woman would have a date with Gina Lollobrigida, who was coming to Atlanta to promote the film *Trapeze*.

I found my beauty in an Atlanta bar, and she was picked as the most beautiful. But Lollobrigida was pregnant, so she couldn't come.

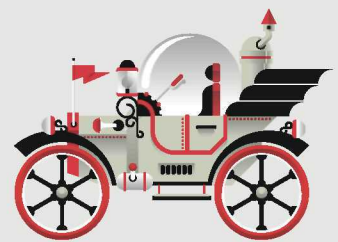
Tina Louise was in Atlanta for her film *God's Little Acre*, a very sexy film at that time. I had a dinner date with Tina and took her to the Beta home. We acted out the part when Tina put her hand on her lover's leg around the corner of the cabin.

I never saw the woman from the bar again. She was older and more mature than me. Good times at the Beta house. ▲

Have a Tech memory to share? Send written pieces to Editor, *Georgia Tech Alumni Magazine*, 190 North Ave. N.W., Atlanta, GA 30313, or submit by email to publications@gtalumni.org. Entries will be selected for publication in the magazine and at gtalumnimag.com.



Joe Holt, front row, at right, poses next to the mystery woman he found who won the "most beautiful" contest put on by an Atlanta marketing firm that was promoting the film *Alexander the Great*.



Time Machine

5 years ago, in 2007, Georgia Tech climbed to seventh in the *U.S. News & World Report* rankings of public universities, its highest ranking to that point.



10 years ago, in 2002, the women's swimming and diving team took to the pool in its first intercollegiate meet.



25 years ago, in 1987, the Georgia Tech/Emory University Biomedical Technology Research Center was established.



50 years ago, in 1962, the School of Nuclear Engineering was established at the Institute.



75 years ago, in 1937, Robert T. "Bobby" Jones, ME 22, received Tech's Distinguished Service Medal during commencement.



100 years ago, in 1912, the Co-op program began placing Tech students with employers.

ASK GEORGE P.

TECH'S MAN OF MYSTERY, GEORGE P. BURDELL,
WILL NOW TAKE YOUR QUESTIONS.

Dear George, Aisle or window?

ALAN R. MITCHELL JR., ECON 85, SAVANNAH, GA.

DEAR GEORGE, Boxers or briefs?

ALAN R. MITCHELL JR., ECON 85,
SAVANNAH, GA.

DEAR ALAN, Having tried boxers *and* briefs (as well as an ill-fated attempt at the Ernest Hemingway “commando” method), I found myself empathizing with Goldilocks: One bowl of porridge was too baggy, the other too constricting. And then I discovered boxer-briefs, which are just right. G.P.

DEAR GEORGE, Great taste or less filling?

ALAN R. MITCHELL JR., ECON 85,
SAVANNAH, GA.

DEAR ALAN, When it comes to drink, I can heartily recommend following in Hemingway’s footsteps. Now, does anyone other than Mr. Mitchell have a question? G.P.

DEAR GEORGE, In the snack machine at work, Chex Mix is 45 cents while Cheez-Its are 50 cents. Same size snack bags, and no one has any explanation for the pricing difference. Any idea? This can’t be by accident. ANONYMOUS

DEAR ANONYMOUS, I take it back.

Let’s see if Mr. Mitchell has any more questions. G.P.



Dear Alan, It’s a conundrum for the ages. The window affords a majestic view of the world (or, if you’re flying over Kansas, a spot to lean your head while you sleep). But you then have to clamber over your seatmates if you need to use the restroom. And while the aisle offers an easier path to the facilities, it does leave you at risk of having your elbow obliterated by a beverage cart. However, there is a simple way to avoid the many indignities of flying: Become a pilot. G.P.

Have a burning query for George P.? Email him at georgep@gtalumni.org, post it on Facebook ([facebook.com/georgiatechalumni](https://www.facebook.com/georgiatechalumni)) or tweet it to [@gtalumni](https://twitter.com/gtalumni).

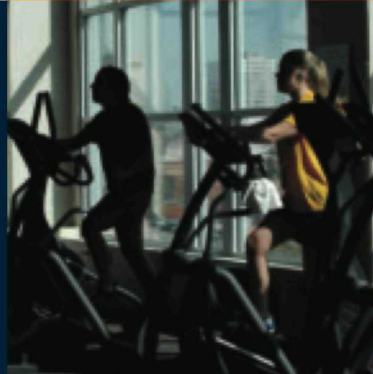
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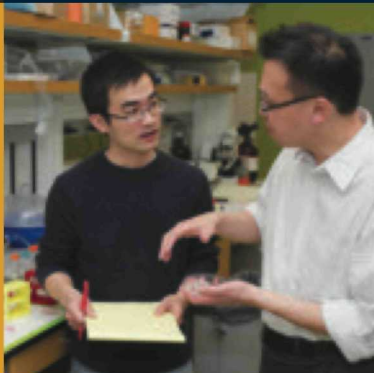


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