No. 1 in the Country:
The GT Student Foundation
“Those who have served our country should be given every opportunity to pursue their dreams without barriers.”

— John H. Traendly, ME 1968, MS IM 1973

The Traendlys recently made an outright gift as well as an estate provision—with a combined value in the seven figures—that will establish the Susan S. and John H. Traendly Scholarship Endowment Fund, which will provide scholarship support to military veterans, active duty military personnel, ROTC students who have committed to joining the military, and their families. Their outright gift will offer scholarships as early as this fall semester, while their estate provision will ensure the long-term viability of the endowed scholarships.

Military service is a revered family tradition for the Traendlys, who reside in Smyrna, Georgia. John Traendly served as a Marine, and Susan Traendly’s father, the late William H. Sibley, ME 1932, served in the South Pacific as a U.S. Navy commander during World War II.

In addition to supporting members of the military and their families, the Traendlys are also passionate about Georgia Tech. Aside from Mrs. Traendly’s father, other Tech graduates in the family include her brother-in-law, Edward “Ted” Rempe III, EE 1959, and his father, the late Edward T. Rempe, ARCH 1929.

“Georgia Tech is an integral part of our family tradition,” said John Traendly. “A scholarship fund at Tech was an ideal way to combine our passions into one meaningful giving opportunity. On a practical level, a degree from Georgia Tech is an invaluable asset in building a successful life. We could not think of a better gift to offer to an individual.”

Beyond their support of Georgia Tech, the Traendlys are very active in their larger community. Susan Traendly is involved with outreach ministries through her church, and John Traendly is an avid kayaker and paddling coach. They can often be found paddling the rivers, lakes, swamps, and coast of the Southeast.

Founders’ Council is the honorary society recognizing donors who have made estate or life-income gifts of $25,000 or more for the support of Georgia Tech. For more information, please contact: 404.894.4678 • founderscouncil@dev.gatech.edu • www.development.gatech.edu
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Kevin Murray, Mgt. ‘90
Former Trustee, Georgia Tech Alumni Association
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Three Alumni Association-sponsored student groups are making an impact and creating future alumni leaders. Cover photo by James K. Holder II.
There’s a seat to the beach waiting for you.

There are some places where the sun feels warmer. The tropical songs sound better. And umbrella drinks taste better. That’s why we offer low fares to sunny beaches. Book at airtran.com for our lowest fares, an affordable Business Class, and Wi-Fi on every flight. Go. There’s nothing stopping you.®
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Zuri & Nick are outstanding students at Georgia Tech, and both are very involved with many programs on campus. They are also both student callers for Roll Call’s phonathon program, and enjoy reaching out to alumni and sharing their experiences. They know first-hand how much of an impact Roll Call donations make at Georgia Tech, and are extremely thankful to the thousands of donors who helped make the recently completed 64th Annual Roll Call a success.

So next time you get a call from one of our student callers, pick up the phone, share your Tech story, and pledge your support to Roll Call.

We’re looking forward to talking to you!

“My conversations with alumni give me a greater appreciation for my opportunities here and make me even prouder to be a Yellow Jacket.”

-Nick Donaldson, 4th Year Management Student
Reflecting on 9/11 and Looking Forward

We look back 10 years now on an act of evil so appalling that even today we still shudder at the thought. But we also think of the heroism and selflessness of our people on that fateful day, of our soldiers who fight on in Iraq and Afghanistan and of those who have sacrificed their lives to protect our freedom. We’re very grateful, blessed and honored for all they’ve given. Ground Zero is a new place now, not quite finished yet very powerful. The 9/11 Memorial design was the product of one of our own, Michael Arad, M Arch 99. Learn more about the years-long effort that culminated in this amazing memorial inside this issue of the Alumni Magazine (pg 38).

Even as we remember the past, we look ahead to the Institute’s bright future. President G. P. “Bud” Peterson remarked the other day, “When I first arrived, I thought after a year or so, I would have learned most of what I needed to know about Georgia Tech. I’m happy to tell you that because new things are happening so fast, I think I am losing ground, and I am worse off now . . . and it’s all tremendously positive. Georgia Tech is a remarkable place, and one that I’m proud to serve, and you should be too.”

He went on to describe the terrific work done at Tech to educate future leaders and the groundbreaking research that continues to help develop economies both here and abroad. He also referred to our Student Alumni Association (SAA) Kickoff for 2012, which took place the prior week.

SAA’s relaunch last year was researched, planned and meticulously executed by our staff at the Association with help from Tech’s remarkable student leaders. Its goals may seem obvious: to teach students the value of the Alumni network, the importance of philanthropy to Tech, and the traditions and spirit of this great institution. But those precepts aren’t automatically learned now that Georgia Tech is a community of more than 25,000 students, faculty, staff and researchers.

Upon joining SAA, students make a gift of $10 to Tech, and then they gain access to programming designed to ready them for the real world. The gift is divided two ways—$5 goes to a gift to Tech from the SAA and $5 goes to the Georgia Tech Student Foundation for Roll Call.

Speaking of the Student Foundation, did you notice the cover of the magazine? Yes, the Georgia Tech Student Foundation has been named the top student organization in U.S. higher education by the Council for Advancement and Support of Education Affiliated Student Advancement Programs. This speaks to the visionary leadership of our late alumnus, J. Erskine Love Jr., ME 49. He might be best known as the namesake of the Love Manufacturing Building on campus—built with a generous donation from Erskine Love Jr. in 1986 to start up the Student Foundation. That endowment is now worth more than $800,000, and GTSF has given back more than $500,000 to student life at Tech in the subsequent years. GTSF is just one more reason you should be proud to be a Georgia Tech alumnus.

We’re very proud of GTSF, the Student Alumni Association and our very accomplished Georgia Tech Ambassadors. We view the Alumni Association’s campus role as building loyal alumni out of students while they’re still here. It seems to be working very well.

Joseph P. Irwin, President
Georgia Tech Alumni Association
“The Georgia Tech Alumni Association Career Fair is one of GTRI’s most important career fairs of the year. It is our opportunity to meet with the best and the brightest Georgia Tech has to offer. GTAA does a fabulous job of running a very professional event – it is a pleasure to attend!” Amy Bondurant, Director of Human Resources, Georgia Tech Research Institute

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Georgia Tech Alumni Association
Freedom of Expression Must be Maintained

Diversity is generally a good thing in many areas of society when that society is itself diverse. It reflects the society in which we live. It, however, must be achieved in a democratic and impartial manner. I believe that Georgia Tech takes a fair and balanced approach in this matter.

There have been a couple of recent letters in the Alumni Magazine on this topic, one by Mr. Kirk [May/June], and one by Ms. Mallett [Vol. 87, No. 6]. The objective of this letter is not to comment on the merits or problems on the achieving of diversity goals at Georgia Tech, but to address the issue of freedom of expression and censorship. Ms. Mallett takes the position that the Alumni Magazine should refrain from printing articles that caution against some dangers in approaches that promote diversity. Essentially, she advocates censorship of any views that do not worship at the altar of political correctness as seen by some parts of society.

We must preserve in our democratic society the freedom to express ideas, provided, of course, that they do not advocate violence, hate or outright discrimination—even though we may disagree with such ideas. Otherwise, if we promote a single “accepted” view we slide toward a society such as those created by Castro and Chavez in our own hemisphere.

Joseph Irastorza, EE 60, MS EE 68, PhD ISyE 73
Roswell, Ga.

Ed. Note: The Alumni Magazine welcomes all emails and letters to the editor. Whether or not a letter will be printed depends on if it meets the standards set by our Letters to the Editor policy. To view those guidelines, visit gtalumnimag.com/2011/09/letters-to-the-editor-policy.

Goggles Needed in Lab

I was flipping through the pages of my Alumni Magazine [Vol. 87, No. 6] and came across the article “From Falcons to Fibrin.” I must say that I was alarmed to see Wendy Brown without safety goggles and her hair not pulled back in the photograph. It is instilled in all scientists that long hair must be pulled back and safety goggles or glasses are to be worn at all times. This is violation of safety regulations, and if it was that important to photograph Wendy, then she should have been photographed either outside the lab or with personal protection and equipment inside the lab.

I am certain that the American Chemical Society or other professional organizations would find the photo unworthy of printing. There would be a floodgate of complaints directed to the editor’s office. Scientists are serious (or at least should be serious) when it comes to laboratory safety.

Shalonda Hall, PTCh 05
Alpharetta, Ga.

Wenn Spread Good Works

I enjoyed very much the article on the Fred B. Wenn Student Center and the summary of Professor Wenn’s life shared in the article [What’s in a Name?, January / February issue].

Our paths did not cross much in my one year at Tech, but I witnessed his good works spreading to the community benefiting myself and many other youth ages 9 through 11 when he was Cubmaster of Pack 26 at Atlanta’s Peachtree Christian Church from 1943 through 1946. It’s quite possible he served more than those three years, but he made a significant impact on many young lives during that time with his creativity and unbounded enthusiasm, which I well remember to this day.

J. Darrow Kirkpatrick, Cls 56
Washington, D.C.

Caption Hides Home

Thanks for the picture of Tech in 1935 [In Retrospect, Vol. 87, No. 6]. My only disappointment with this picture is that the circle and writing in the lower right completely obliterated the home where I was born in 1936. My parents lived there at the time of this photo and, who knows, may have been sitting on the front steps at the time with my older brother.

W. M. Hilliard, CE 61
Clermont, Fla.

Ed. Note: Unfortunately, we do not have the original photo in our archives, only the Georgia Tech promotional pamphlet that includes the obscured photo.

Don’t Forget the Tubas

I enjoyed reading the stats of the entering class [Meet the Class of 2015, Vol. 87, No. 6]. But I’ve got to admit it was depressing for pedestrian old me to see those fantastic test scores. Holy moly, I would not have been able to get within 10 miles of Georgia Tech with my run-of-the-mill high school record.

On the other hand, I think it well to keep in mind the project that former Tech President Dr. Wayne Clough initiated while he was at the helm—“Tubas and Test Tubes.” It’s shorthand for recognizing that while grades and academic performance are important, there must be room for music, the arts and things other than just plain engineering. I hope that those in the entering class will continue to exercise their musical and artistic talents at Tech, and I want to prove that such will stick with you as long, if not longer, than the nuts and bolts of an engineering education.

During my four years at Tech, three score years ago, we in The Fowler Street Five did not even know we were an early version of “Tubas and Test Tubes.” We sandwiched Dixieland music in between slide rules and test tubes. In 1995 we came back together and had another seven glorious years of music and friendship.

Randy Cabell, EE 53, MS EE 54
Boyce, Va.
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1 Specialty Departments vary by Club.

Sam’s Club is a proud sponsor of the Georgia Tech Alumni Association.
By Van Jensen

Dean Alford’s curriculum vitae features a wealth of experience in the energy industry, a variety of roles in government, positions with a broad swath of charitable and civic organizations and several committee postings at Georgia Tech, from which he received an electrical engineering degree in 1976. To that list, Alford recently added one more item: Over the summer, he stepped in as chair of the Alumni Association Board of Trustees.

The first question for him, naturally, was “When do you find time to sleep?”

“I’ve been blessed with a lot of energy,” Alford said.

Though Alford was active in a variety of groups while a student at Tech, he said his commitment to involvement traces farther back.

“My dad worked for Georgia Power and was also the pastor of our church. He multitasked when multitasking wasn’t cool,” Alford said. “When I was a kid, I had to tag along with my dad. I joke that by the time I was 13 I had been to 100 funerals and made 300 hospital visits with him.”

Alford was a co-op at Georgia Power while at Tech and took a job with the company after graduating. Since then, he has founded six startup companies and now serves as president and CEO of Allied Energy Services, which is responsible for more than $5 billion of energy projects in Central and North America.

“I’ve been in the energy field my whole life,” he said. “It’s a very exciting industry. It’s also dynamic, and it can be scary.”

Alford has focused on bringing affordable and reliable energy to countries in the Caribbean and Central America. He said access to electricity is key to improving people’s quality of life and recruiting industries.

Though he served five terms as a representative in the Georgia General Assembly, Alford is perhaps best known for helping create the Miracle League, an organization that builds playing fields for children with physical and mental disabilities. After the Rockdale County Rotary Club raised $1 million for an initial field, the project gained widespread attention and expanded rapidly. Now, there are 225 Miracle League fields across the United States and overseas. The group has begun building additional playgrounds.

“I wish I could say I had a grand vision, but instead I had jumped on a bull, and I just did my best to ride it,” Alford said. “But that’s one of the most enjoyable things I’ve been involved with. We’ve been able to serve a lot of families, a lot of children.”

Alford has served on the State Board of Education and as chair of the Governor’s Education Finance Task Force. Recently he was appointed by Gov. Nathan Deal to serve on the Georgia Competitiveness Initiative. Its goal is to attract high-paying jobs to the state.

Alford received the Alumni Association’s Dean Griffin Award for Community Service in 2001 and was inducted into the Institute’s Academy of Distinguished Engineering Alumni in 1997. His son Chandler Alford, ME 09, is currently pursuing a master’s degree at the Institute, and his nephew, Corey Alford, is a junior mechanical engineering student and member of the football team. His brother, Dan Alford, senior vice president and CFO of Allied, is also an alum.
Leadership Georgia Tech Trains and Honors Alumni Volunteers

The annual Leadership Georgia Tech event in September honored the Alumni Networks and alumni volunteers who made outstanding contributions to the Institute.

The Networks Competition pitted Networks against each other to increase alumni involvement and awareness of the Tech brand in local communities, with winners receiving money for their local scholarships.

In the White & Gold League, the Atlanta In-town Network finished first, followed by the Atlanta North Metro Network and the Washington, D.C., Network.

In the Ramblin’ Wreck League, the Norfolk/ Hampton Roads, Va., Network finished first, followed by the Columbus, Ga., Network and the Arizona Network.

In the Buzz League, the Pensacola/Emerald Coast, Fla., Network finished first, followed by the San Antonio Network and the Kingsport/ Northeast Tennessee Network.

In the Corporate League, Southern Company finished first, followed by Home Depot and Coca-Cola.

The 64th Annual Roll Call concluded with 31,620 donors from Networks giving more than $8 million to Georgia Tech. The Networks with the highest rate of giving from each league are:

In the Buzz League, Sandersville, Ga., finished first with 37.5 percent giving, followed by Kingsport/Northeast Tennessee at 30.2 percent.

In the Ramblin’ Wreck League, Western North Carolina finished first with 26.8 percent giving, followed by Birmingham, Ala., at 26.4 percent.

In the White & Gold League, North Alabama finished first at 26.3 percent giving, followed by Greenville/Spartanburg, S.C., at 24.4 percent.

Volunteers Honored

Two Ramblin’ Wreck Volunteer of the Year recipients were named at the event. George Caviness, EE 88, of the New Jersey/New York Network, and John Rafferty, EE 02, of the Emerald Coast Network received the awards for their many contributions to Georgia Tech.
Alumni Clubs Rebranded as Alumni Networks

By Rachael Maddux

All over the country and the world, Georgia Tech alumni belong to geographic groups, bound by common locations as well as their shared connection to the Institute’s traditions and academic excellence. And beginning this summer, those groups have a new name: The organizations once known as Alumni Clubs are now Alumni Networks.

“Over a year ago, we began to observe a shift in the way some of our peer institutions were engaging and marketing to geographic groups,” said Len Contardo, Vice President of Alumni Outreach. “Schools like Duke, MIT and UCLA decided to move away from a traditional clubs model to a more open and welcoming approach for regional alumni involvement.”

In theory, Tech’s geographic groups were already quite open—few still carry a membership fee. But conversations with select members showed that the “club” label felt dated and inaccurate, giving the impression of an exclusive, dues-based organization. And a branding test that axed the word “club” for “network” on event invitations did well among young alumni, as well as parents and other members of the Tech community.

Around the same time, the wildly successful launch of the GTAA’s Student Alumni Association drove home the importance of a more easygoing framework. “To explain the major success of SAA, students cited the ease of joining, clear value of involvement and openness of the group,” said Jane Stoner, Senior Manager of Alumni Networks. “With over half of our alumni graduating since 1992, we have to be continually adjusting our engagement model to meet their needs.”

So far, the response from the newly dubbed “networks” has been mostly positive. “Many have already moved forward with changing names on websites, Facebook groups, etc.,” Stoner said. “It is truly a small change in branding to demonstrate our movement toward attracting more young alumni and previously unengaged alumni.” After all, it’s never too late for alumni to start reaping the benefits of connecting with their fellow Yellow Jackets.

Over the past few months, Alumni Networks hosted more than 220 events around the country, from 70 student send-offs to the many Campaign Georgia Tech events hosted alongside President G. P. “Bud” Peterson. All of this in addition to a steady schedule of speaker events, meet and greets, business network panels, community service projects, sports events and game-watching parties around the country.

For more information and to find the Network nearest you, visit gtalumni.org/networks or email jane.stoner@alumni.gatech.edu.

Celebration Honors Matriculation of Black Students

On Nov. 12, the Georgia Tech Black Alumni Organization and President G. P. “Bud” Peterson will host a black tie event to celebrate the 50th anniversary of the matriculation of black students at Georgia Tech. The event is the culmination of a yearlong commemoration of Ralph Long Jr., Ford Greene and Lawrence Williams enrolling at the Institute in 1961. Over the summer, an exhibit outlining the history of Tech’s black community was unveiled at the Alumni House.

The celebration will be held at 6:30 p.m. at the Carter Center in Atlanta. General tickets are $50, student tickets are $10 and VIP tickets are $100. All proceeds benefit the GTBAO endowment scholarship program. The event is chaired by Gary May, EE 85, who recently took charge as dean of the College of Engineering, and Errika Mallett, ISyE 96, president of GTBAO and a member of the Alumni Association Board of Trustees.

Register at gtblackalumni.org.
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David Zweighaft, IM 84, has been featured on MSNBC's Your Business while giving accounting advice to business owners. Zweighaft, the managing partner of DSZ Forensic Accounting and Consulting Services and adjunct professor of forensic accounting at New York University, is a CPA and certified fraud examiner. Here, he shares his 10 most important accounting tips for businesses of all sizes.

• Ensure there is sufficient segregation of duties so that no one individual has more than one of the following: access to assets, the ability to record transactions and record keeping responsibilities. (An example of this would be a bookkeeper who has control of the checkbook, maintains the cash receipts and disbursements journal and receives and reconciles the bank statements.)

• For all disbursements above a specified amount, require two signatures for approval of checks.

• Require multiple bids on all purchases above a specified amount.

• Conduct surprise cash counts or inventory counts at least twice a year.

• All employees should take their full vacation allotment, with at least one full week taken consecutively.

• Incorporate a vendor audit clause into all purchase agreements that allows the customer to review or audit the vendor’s records for that customer.

• Develop a code of conduct that defines and expands the company’s mission statement and explicitly states what types of behaviors are unacceptable, as well as the consequences of violating the code. Have all employees, officers and owners read the code and sign a document stating that they have read the code, understand it and agree to abide by it. Require that all personnel sign a re-affirmation of the code annually.

• Perform thorough background checks of all employees prior to hiring.

• Communicate a zero-tolerance policy for any fraud, dishonesty, conflicts of interest, or other prohibited practices.

• Maintain a hotline or other anonymous reporting mechanism for employees to report unethical behavior without fear of retribution. Provide a feedback mechanism so that employees reporting suspicious activity can learn the outcome of their calls.

New Blog Offers Job-hunting Tips for Georgia Tech Alumni

“In crafting your resume, you’ve likely had friends, family and maybe professionals proofread and offer constructive criticism,” writes Caroline Player, the Alumni Association’s Director of Career Services, on a new career advice blog. “I’ll bet you’ve heard as many opinions as people you’ve had read the resume.”

But what does Player recommend?

First, open the resume with a focus on skills and experience. Make your career plans clear, use action verbs, focus on the last 10-15 years of experience and proofread to check for misspellings and typos.

Most importantly, she writes, you need to decide how best to represent yourself.

“Use a format that best suits you and your skills and experience,” she writes. “A really beautiful resume conveys pertinent details in a way that is compelling and visually pleasing.”

For more career tips, visit gtalumnicareers.wordpress.com.
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4. Palm Beach, Fla.
Jackets Required: Sightings of Tech Grads and Friends

1. Andy Phelps, CE 76, hosts members of the Georgia Tech startup company Sanivation for dinner at his home in Santiago, Chile. Posing for the photo are, left to right, Andrew Foote, CE 11; Christopher Quintero, a mechanical engineering major; Steve Curtis, CE 78; Justin Norman, BC 97; Emily Woods, ME 10; Phelps; Sean Kolk, IntA 11; and Gabriel Vega, CE 09, MS CE 10. 2. Lizzie Newhart, daughter of Tom, ME 88, and Christine, Mgt 90, shows off her school spirit on a trip to Savannah, Ga. 3. John Mayson, EE 92, poses in front of Angkor Wat in Siem Reap, Cambodia. 4. Palm Beach, Fla., Network members display their haul after a fishing trip held to raise money for the network's scholarship fund. 5. Orson Swindle, IM 59, sends in this photo of his granddaughters, triplets Ariana, Leila and Marina. 6. Taking in a Red Sox game at Fenway Park in Boston are, left to right, Jeremy Ciccone, CS 07; Chris Wooldridge, ME 05; and Michael Matia, ME 09. 7. Incoming Tech students mingle with current students and alumni at the Metro Atlanta Network's student send-off party. Networks around the country held 72 send-off parties this year. 8. Byron Foster, CE 65, and Brian Simmons, Mgt 95, IntA 00, take a break after a hike to the top of Mount Le Conte in the Smoky Mountains. 9. Alumni Association IT director Matthew Bain, Mgt 01, MBA 10, and his wife, Missy, attend the premiere of The Change-Up, which stars Jason Bateman, Ryan Reynolds and the Bains’ twins, Lauren and Luke. 10. Russell Sorrells, AE 62, and granddaughter Jenny Krakowski enjoy tailgating before a Yellow Jackets football game. Krakowski’s parents are Cindy Sorrells Krakowski, ME 94, and Tim Krakowski, EE 92.
Digital Warrior
Tech alum leads the open-source charge against growing cyber threats

By Rachael Maddux

Earlier this year, the Georgia Tech Research Institute’s Cyber Technology and Information Security Laboratory was tapped by the U.S. Department of Homeland Security to head up a five-year, $10 million initiative to investigate and identify open-source security models and technologies to be used in support of the United States’ national cybersecurity efforts.

Led by GTRI, the Homeland Open Security Technology (HOST) program will balance investigatory research with real-world outreach, sharing and collecting information across government agencies and with members of industry and academic communities to better grasp where open-source security technology stands now and how it might evolve.

Impressive, sure. But Joshua Davis, MBA 07, GTRI’s Cyber Technology and Information Security Laboratory associate division head and the HOST program’s principal investigator, knows you may have a lingering concern.

"Open security? It sounds like an oxymoron," he affirms.

But it’s far less counterintuitive than the name might suggest.

Rather than one company holding tight to a program’s source code, doling out updates and charging users for each new iteration, open source software makes its code readily available for any programmer or developer to tweak and publish their own version, usually for free.

Software fixes and updates can be executed within hours, rather than weeks or months—important in any industry, but especially crucial in the cybersecurity world, where threats can shift by the day.

The Alumni Magazine talked to Davis about the wonders of open source, his work with HOST and the nebulous but potent threats the program seeks to eliminate.

I think now people associate the Department of Homeland Security with things like border patrol and immigration. But it also involves Internet security, which is way behind the scenes and also intangible.

There is a cyber war going on right now. This is me talking on an unclassified level. The power distribution of what folks can do with the Internet, it’s scary. And the reason it’s scary is economic systems are built upon the Internet. You and I communicate with friends and family, stay abreast of the news, everything—it’s on the Internet. Small organizations of people that have problems with us can cause disruption. If someone wanted to monitor you and I and wreak havoc on our personal lives, they can find ways to get into our systems of communications, track us, and create problems. It’s really scary what an individual—let alone an organization, let alone a nation-state—can do to us on the Internet. If you look at [organizations] like Anonymous or 4chan and where they come from, they’re able to elicit power with limited consequences and limited attribution, so what do government agencies do? How can you go kill something that doesn’t have a head and that’s distributed throughout the globe?

How do you maintain the security of open-source security software?

Just because it’s open doesn’t make it more vulnerable. You should never trust, really, any software. The supply chain is going to dictate how safe you are. A piece of software written by Microsoft involves individuals all over the globe, and what are the motivations of those individuals? Could organizations pay them to come in and get within the supply chain to [tamper with] part of the software? ... [Someone] could get the software box from, say, Fed Ex, open it up and put a different DVD in there that has an exploit on the DVD and you get it thinking its safe. And that’s closed source. With open source software, if I can get the source code, I can look at the source code and see what I’m going to do build. And, honestly, that’s what the government does a lot of times. The government wants to review the source before it builds it, because then it can control the supply chain.

It’s like buying processed food versus growing your own in your backyard.

I never thought of it that way, but yeah. ... There’s an analogy we draw: Imagine if we give a guy that’s going to go on the front lines a gun that he cannot add a scope to, that he cannot clean, cannot fix it, cannot do anything to it. Imagine if I gave him that weapon. That’s what we’re doing with software. Right now, if I give the warfighters software, the vendors are the only one that can change it, and it’s scary because a for-profit entity has, in some ways, a little bit of control of the business practices of our government defending us. As a citizen, if that vendor is not doing what the government needs it to do to solve its problem for us, I feel they should be able to give it to any other vendor who can. And when you have the source code in hand you can do that.

Tell me about your background.
I did undergrad up the street at Southern Poly. I got a job at GTRI doing IT stuff in 1997. I started full-time as a researcher in 1999 at GTRI. I also graduated from Tech’s MBA program in 2007. I started doing a lot of test and evaluation work with the Marine Corps and the Army. … For many, many years I would get in a vehicle, in 29 Palms in the desert, wearing flac and a helmet, with a laptop, shooting these little text messages through a system to emulate a war to guys in a vehicle. … Being in that environment, doing that work, let me see the waste in our government and how we use software and it gave me this personal mission, which led me to start this open-source software community called Mil-OSS. … We had the first working group in Atlanta [and] we brought about 100 people together who were military folks, who were civilian government employees, citizens, and contractors like myself, coming together, who get these models, and are trying to help learn how to use them. It was a nerd conference.

Has there been any resistance to the open-source model?

Take the proprietary business model: I’m going to go take risk up front and build some software, or take a little bit of my money and some of the government’s money and I’m going to make something that’s proprietary, that’s mine. And I’m going to say, “OK, government, I’m going to sell you a license to use what I’ve built. You’re going to pay me for it. You’ll pay me whenever there’s a new version, etc.” And there are a lot of businesses that make money that way. And what the open-source software model brings is, “OK, instead of this thing here that I own and I control, I’m now putting it out there that I’m licensing, and I still hold the copyright, but you and anyone else or any vendor who wants to pay me can make money of this too, and also contribute to it.” … It’s almost like what researchers do on campus with publishing and sharing ideas. It’s the same thing—except when I publish, that knowledge is now in software, and if it’s really good knowledge it’s going to stay, and if it’s not someone’s going to come in and remove it. The best sort of analogy is that it’s like the roads. The roads are built for you and I to go make money off of. And there’s probably different competitions for how you innovate a road, but a lot of it’s probably shared knowledge.

You’re not reinventing the wheel every time.

Right, and if you look at security—security’s not a luxury. Right now, though, in places, to get real network security, it costs a lot of money. … The cyber security problem is not just the United States. It’s everybody.

Are you pulling talent from the Tech campus, recruiting for the cyber war?

There is a dearth of talent in security. … Right now, if you go to Georgia Tech and get a security focus, you probably won’t have a problem finding a job. If you want to go back to school ever, go security. Because, oh my gosh, if you have any knowledge, there’s somebody willing to pay you.
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A sneak peek at the media landscape of tomorrow will be on display at FutureMedia Fest 2011, held Nov. 15-17 in Technology Square. The annual event brings together academics, professionals and entrepreneurs to discuss the rapidly changing media environment.

Among the presenters will be representatives from Turner, the Weather Channel, Scoutmob, the L.A. Times and the Cox Media Group. This year’s event will focus on “exploring the media’s disruptive power on people and business,” organizers said.

FutureMedia is one of the initiatives under Tech’s Institute for People and Technology. It is designed to explore the future of how content is created, distributed and consumed.

Speakers at the Fest include Rob Hunter, vice president of innovation at ESPN, and Brian Drescher, director of business development at Mashable.

Topics of discussion will include sports entertainment, civic engagement, emergency response, entrepreneurship, advertising, gaming, television, computational journalism and the Georgia film industry.

Throughout the event, startup companies and researchers will present demonstrations of the latest technologies developed by Tech students and researchers as well as outside companies.

The Technology, Strategy and Operations division of Turner Broadcasting will have a large presence at the Fest. The division oversees broadcast support, production services and technical infrastructure.

Organizers also will preview the FutureMedia Outlook 2012, an analysis of megatrends that will shape the future of media, content and information in the next five years.

To learn more and register for the event, visit futuremediafest.gatech.edu.

Tech researchers will display new media technologies at the third annual FutureMedia Fest.
Happy holidays

We wish you and your family a safe and happy holiday season.

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Georgia Tech Appeals NCAA Penalties

In September, Georgia Tech submitted its official appeal in response to rulings made in July by the National Collegiate Athletic Association’s Committee on Infractions, including demands that the Institute vacate its 2009 ACC Championship title.

At press time, a date for the NCAA response hearing, the next step in the appeal process, had not been announced.

Upon submission of the appeal, Tech President G.P. “Bud” Peterson reiterated the Institute’s commitment to the integrity of its athletics program. Until the case is formally presented to the NCAA Infraction Appeals Committee and a decision is made, no one from Tech will comment on the proceedings.

Regents Call for 2 Percent Budget Cut

In response to a directive from the Governor’s Office of Planning and Budget, the University System of Georgia Board of Regents has directed all system institutions to submit a plan for a 2 percent reduction in their state appropriations, both for the current fiscal year 2012 and the fiscal year 2013.

While state revenue collections have been positive for the last 14 months, state officials remain cautious. Over the summer, state agencies were asked to develop a plan to return 2 percent of their state appropriation for each of the next two budget cycles. For the University System, that equates to a cut of $34.8 million for FY 2012. Of this, $4.2 million will come from Georgia Tech.

“Even though state revenues are expected to grow moderately, our biggest challenge, now and in the foreseeable future, is resources,” President G. P. “Bud” Peterson said. “The global recession continues to present challenges at the federal, state and local levels, impacting us here at Georgia Tech like everyone else.”

To accommodate the state’s request, Peterson said a portion of the reduction will be managed centrally and the rest will have to be absorbed at the departmental and unit levels.

“Through careful planning and the additional revenue realized through tuition, Georgia Tech is still capable of meeting its core responsibilities,” Peterson said.

Peterson also expressed his appreciation for the support of the Georgia Tech community. “I continue to be impressed with the tremendous dedication and support of the people of Georgia Tech. These are difficult times and by pulling together, we can and will continue to provide the very best educational opportunities for our students and effectively serve the state of Georgia.”

Tech 7th in U.S. News Rankings

Georgia Tech sustained its top-10 ranking among public universities in the U.S. News & World Report’s Best Colleges 2012 for undergraduate rankings. Tech, this year ranked seventh among public universities, has been in the top 10 for more than a decade.

“Georgia Tech is proud of its decade-long ranking as a top 10 public university, including the largest engineering program in the nation, ranked in the top five and a national leader in the total number of engineering degrees awarded to women and to under-represented minority students,” said Tech President G. P. “Bud” Peterson. “We will continue in our journey toward preeminence in education, research and economic development, serving the state and the nation.”

Georgia Tech’s College of Engineering was fifth in the undergraduate rankings for engineering programs at universities where the highest degree is a PhD.

The School of Industrial and Systems Engineering maintained its top ranking, while Aerospace Engineering maintained its second-place ranking. Biomedical and Mechanical Engineering are also ranked second in their discipline, both moving up from third last year.

Civil Engineering maintained its third place ranking and Environmental Engineering moved up two spots, also ranking third. Electrical Engineering moved up to fourth from fifth last year.

Georgia Tech’s College of Management maintained its 28th ranking this year. The Institute’s internships and cooperative education programs are also highlighted in the rankings’ “Programs to Look For.”

Cancer Coalition CEO Joins Tech Faculty

Bill Todd, president and CEO of the Georgia Cancer Coalition since 2003, has joined the faculty of Georgia Tech’s College of Management.

Under Todd’s leadership, the Georgia Cancer Coalition invested more than $300 million to support research and prevention efforts to reduce cancer deaths.

Todd’s 39-year career has focused on healthcare and technology management in Atlanta. He was the founding president of the Georgia Research Alliance in 1990, nurturing the independent nonprofit organization that has helped build Georgia’s reputation as a center for discovery and invention and fostered major advances in science, medicine and technology. He also founded Encina Technology Ventures in 2000.

Todd, Mgt 71, received the Ivan Allen Jr. Prize for Progress and Service from Tech in 2010. He is past board chairman of the Alumni Association and a former board member of the Georgia Tech Foundation. He is currently serving on the boards of the Georgia Chamber of Commerce, the American Cancer Society and Georgia Tech-Ireland.

Todd also was named one of the 2011 Stars of the South by Irish America Magazine.

Seaweed Gives Batteries a Boost

By looking to Mother Nature for solutions, researchers have identified a promising new binder material for lithium-ion battery electrodes that could not only boost energy storage, but also elimi-
nate the use of toxic compounds currently used in manufacturing the components. Known as alginate, the material is extracted from common, fast-growing brown algae. In tests so far, it has helped boost energy storage and output for both graphite-based electrodes used in existing batteries and silicon-based electrodes being developed for future generations of batteries.

The research, the result of collaboration between scientists and engineers at Georgia Tech and Clemson University, was reported Sept. 8 in Science Express, an online publication of the journal Science. The project was supported by the two universities, as well as by a Honda Initiation Grant and a grant from NASA.

“Making less expensive batteries that can store more energy and last longer with the help of alginate could provide a large and long-lasting impact on the community,” said Gleb Yushin, an assistant professor in Georgia Tech’s School of Materials Science and Engineering. “These batteries could contribute to building a more energy efficient economy with extended-range electric cars, as well as cell phones and notebook computers that run longer on battery power.”

Harvesting Energy Out of Thin Air

Researchers have discovered a way to capture and harness energy transmitted by such sources as radio and television transmitters, cell phone networks and satellite communications systems. By scavenging this ambient energy from the air around us, the technique could provide a new way to power networks of wireless sensors, microprocessors and communications chips.

“There is a large amount of electromagnetic energy all around us, but nobody has been able to tap into it,” said Manos Tentzeris, a professor in the Georgia Tech School of Electrical and Computer Engineering who is leading the research. “We are using an ultra-wideband antenna that lets us exploit a variety of signals in different frequency ranges, giving us greatly increased power-gathering capability.”

Tentzeris and his team are using inkjet printers to combine sensors, antennas and energy-scavenging capabilities on paper or flexible polymers. The resulting self-powered wireless sensors could be used for chemical, biological, heat and stress sensing for defense and industry; radio-frequency identification (RFID) tagging for manufacturing and shipping; and monitoring tasks in communications and power usage.

System Bolsters Disaster Communications

A team from Tech’s College of Computing has developed a wireless system that enables people to communicate device-to-device in the aftermath of a disaster. LifeNet uses an Internet-connected cell phone, laptop or router to serve as both a host and router. Typical wireless or cell networks rely on several stable links in the chain of connection. When one link in that chain is broken, the entire network goes down. Using LifeNet, one device can pass along its connection to other devices, forming a wireless web. If one device goes down, the other devices stay connected. The only limitation is that devices must be placed within about a kilometer of each other, said computer science pro-

Tech Students Aid NASA’s Juno Mission

In August 2016, when NASA’s Juno Mission begins sending back information about the atmosphere of the planet Jupiter, research done by Georgia Tech engineers using a 2,400-pound pressure vessel will help scientists understand what the data means. Because Jupiter has been largely unchanged since its formation at the birth of our solar system, scientists hope studying Juno, one of Jupiter’s moons, will resolve unanswered questions about the massive planet and how our solar system evolved.

“Jupiter collected much of the original solar nebula, that sheet of material that surrounded our sun when it formed,” said Paul Steffes, a professor in Georgia Tech’s School of Electrical and Computer Engineering and a member of the Juno Mission Team. “Knowing how much water is in the atmosphere of Jupiter is going to give us real insight into how the whole solar system has evolved.”

Juno will carry a radiometer to measure radio emissions produced by the planet at microwave frequencies. As those emissions pass through Jupiter’s atmosphere, they are altered by the water and other elements. Understanding how the signals were altered can tell scientists much about the atmosphere of the giant planet.

Interpreting that data will require knowledge that Steffes and his students are developing by simulating the Jupiter atmosphere in their pressure vessel, which is located inside an oven on the roof of Tech’s Van Leer Building.

Robot Gives Quadriplegic Man a Shave

Since his stroke 10 years ago, Henry Evans has been unable to scratch an itch or shave his own face. But now, even though he is mute and quadriplegic, he can scratch his own face and shave his cheek with the aid of a Personal Robot 2 in a laboratory setting. These successes come out of a new project called Robots for Humanity, a collaboration between Georgia Tech, Willow Garage and Henry and Jane Evans of Palo Alto, Calif.

“This is just the beginning,” said Charlie Kemp, director of the Healthcare Robotics Lab at Georgia Tech and assistant professor of biomedical engineering. “We hope to really push on these technologies so robots like this can actually help people every day.”

Last year, Evans saw Kemp on CNN demonstrating his research with the PR2, a robot built by research lab Willow Garage. Evans contacted Willow Garage and Kemp to see if they would be willing to work with him.

Since January, the team has been crafting various interfaces, tools and control software to help Evans perform more tasks on his own. In March, Kemp and members from his research team flew to California to work with Willow Garage researchers and Henry and Jane Evans. At this meeting, Evans controlled the robot to scratch his own face for the first time in 10 years. Researchers also went to the Evans’ home to learn more about Henry and his needs.
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Office Space

John Burson: Combat Surgeon

By Van Jensen

For his 77th birthday, John Burson enjoyed a low-key celebration with some coworkers. The surprise is not that Burson, ChE ’55, MS Met ’63, PhD ChE ’64, is still working beyond retirement age, it’s the location where he was working: a combat emergency room in Kabul, Afghanistan. This is the fourth deployment since 2005 for Burson, a physician in Villa Rica, Ga., and retired Army Reserve lieutenant colonel. In 2008, Burson received the Georgia Tech Alumni Association’s Dean Griffin Community Service Award. Before returning to the United States in October, he sent photos and reflected by email on the war now nearly a decade after it began.

Medical care: We run a clinic much like an emergency room. We see mostly sprains, colds, minor injuries. We only see major trauma if we have an event like incoming rocket fire, suicide bombs, etc. This is a much lower intensity job than previous deploys. There is one huge difference between home and here. Here, there are zero distractions. The days all run together after a while since we work seven days a week.

Fighting fatigue: There is a very strong feeling of love of country and overall patriotism that is not seen in other places. The troops are very proud to serve their country. All in all, morale is still good but there is a definite fatigue factor that is much more prevalent now than, say, in 2005.

Stuffed animals: They were on our First Sergeant’s desk. Troops here are fond of stuffed animals and often carry them in their packs. Remember, they are hard and tough, may swear a bit and dip, but they are still just kids at heart.

Comfy confines: Quarters are good, very much like dorm life. In fact, there’s an eerie resemblance to my room in Towers Dorm when I started at Tech in July 1951. Much better than my last deploy, when I lived in a tent for three and a half months. Hot showers and out of the weather is hard to beat.

Gear: I have to have my laptop, supplemented by my iPad this time. Skype is the soldier’s friend—everyone talks to home every day, it seems. I always buy a cheap coffee maker at the PX. I usually have a cell phone, but not this trip. Very easy and free to call home on military and USO phones.

Why do I go?: I keep asking myself that question. I suppose it is a desire to give back a little in return for having lived the American dream. And ask yourself, how else can a 77-year-old guy get these kinds of thrills and adrenaline rushes? Churchill put it well, that there are few things as exhilarating as being shot at—and missed. I will keep coming as long as they will have me.

Fighting trim: I typically lose about 15 pounds and get down to ideal body weight on these deploys. Of course, it doesn’t last, but it is nice to have a flat belly again, even if only for a few months.

Occasional excitement: Even though everyday life is very slow, we occasionally have some excitement as we did in late June with a hotel explosion just a few blocks away and a few RPG attacks in the meantime. We have the special ops folks here but really see very little of them except in the chow hall and when they’re returning from their dark missions.

Burson at his desk at a hospital in Kabul, Afghanistan, where he was deployed.
Fragile presence: I’m here at a decisive moment, at the very peak of the surge that Obama signed off on two years ago. Other than the recent success in dealing at last with Osama, it is hard to see any significant change in our situation. Every aspect of our presence here is very fragile and subject to a quick turn around. Reportedly, violence in Afghanistan is considerably higher than it was last year. And the Taliban sanctuaries in Pakistan appear unchanged. In addition, our relations with Pakistan have deteriorated since the Osama raid and, without significant Pakistani assistance, victory—however we define it—is not possible.

Uncertain future: Anyone who has seen the Afghan army in action knows that only a very small percentage of these soldiers have even a rudimentary knowledge of how to wage effective war. For the most part, these soldiers are illiterate and unable to plan and execute operations on their own. On top of all this, the number of Afghan soldiers who go AWOL or desert is alarmingly high.

Unanswered questions: What will happen to the 30 million Afghans when we finally leave? Are we here for nation building or humanitarian reasons? Afghan leaders are notorious for their corruption and [President Hamid] Karzai seems more estranged than ever with frequent accusations against his NATO protectorate. In the final analysis, will Afghanistan be able to stand on its own when we leave? If not, we have wasted a lot of fine young American and allied lives, spent uncounted billions of dollars and have little to show for the 10 years we have been here.

Toll of war: I hear the talking heads on television urging us to stay the course. I wonder how many of them would be so bold if they had seen soldiers with both legs blown off, with horrible head wounds and debilitating emotional injuries that many will live with their entire lives. In addition to the loss of life and long-term casualties, we must remind ourselves of the billions and billions of dollars that we have spent. From a purely American point of view, these wars have helped put us on a devastating course of economic distress, which will continue for many years and seriously compromises our overall military strength.

Too quick to fight: I have thought long and hard about America and war and wonder where we seem to have lost our way. Why have we been, throughout our history, almost continuously at war? The framers of our Constitution made it very difficult to go to war, but we keep finding ways to get around these prohibitions. Do we need to quit listening to the generals and hawkish politicians and try the Constitutional way? We might be pleasantly surprised. A very wise friend of mine with enormous experience in military and political matters reminds me that we thought long and hard before entering WWII and, even then, it took a surprise Japanese attack to finally provoke us into war.
Ten Questions

Tony Bedard: Putting Words in Batman’s Mouth

By Van Jensen

In the Delta Sigma Phi fraternity in the late 1980s, Tony Bedard was known as the resident comics nerd. He painted comics characters on the door and walls of his room and kept stacks of comic books on hand. After earning his management degree in 1989, Bedard pursued his creative passion and has established himself as one of the top writers in comics, including prominent assignments for DC Comics’ recent relaunch.

When did you start reading comic books?

In high school, I was about 15, and I was really into Conan the Barbarian [the movie]. My girlfriend got me a copy of the Savage Sword of Conan comic. I thought it was a joke at first, but then I saw how much work went into it. Then I read Secret Wars, and I was hooked.

Were you still into comics at Tech?

I had Swamp Thing painted on my door and Nexus painted on the wall in my room at my fraternity house. I was pretty much known as the guy who likes comics; it’s just amazing that I was able to make a career of it.

Why did you go to Tech?

Tech was the toughest and best school in the area. Georgia seemed like a cop out. Anybody could get in there. If you made it through Tech, you had a good head on your shoulders. And after I flunked my first calculus class, I figured maybe engineering wasn’t for me. So I switched to the M-train. But I didn’t want to do the thing that I’d studied. I just wanted to tell stories.

How did you end up making comics a career?

My parents died shortly before graduation, within about a month of each other. I was waiting tables at Buckhead Diner. The bottom had dropped out. I was working on my own book, and I met a girl who wanted to study dance in New York City. So I moved up with her. I figured I’d be back in Atlanta in a year with my tail between my legs.

How did you get started?

I landed an internship at Valiant. They bit the dust about two years later, but it was a good place to get my foot in the door. Then I wound up with an editorial job at DC, and my management degree proved useful after all, managing creative teams, getting books on time.

How did the experience compare to your expectations?

It’s been a real fun job. There’ve been very few days I don’t want to do what I do. There have been a lot of nasty surprises. I’ve had so many places that have gone out of business on me. But that happens in any industry.

What’s your favorite part of it?

I’ve made a lot of great friends. It’s a pretty tightly knit community. Every time we go to a convention, it’s just a lot of good times. And I have worked for companies like DC, where I get to put words in the mouth of Batman, so that’s a dream come true. But I’ve also worked at smaller publishers where we were able to build entire universes from the ground up.

How did you end up working as a writer?

In 2001, I moved to Tampa to be a staff writer for CrossGen. It was the best collaborative experience I’ve ever had. I think my editorial and management experience had really prepared me for that. If things became adversarial, I knew how to defuse it. And I’ve been writing ever since. It was enough of an opportunity to get my writing work out there. Now I’m on an exclusive contract with DC, which I just renewed. With any luck I’ll be there another couple of years.
What are you working on right now?
I have two new titles. One is *Green Lantern: New Guardians*. There are red lanterns and blue lanterns—basically a color for each of the seven colors in the rainbow. Kyle Rayner has to pull together a team from each of the seven colors. He’s very much off the reservation. He’s looking to replace the Guardians of the Universe. He’s a very special character, and we’re going to find out why. And it’s going to expand the Green Lantern universe. I’ve also got a *Blue Beetle* series with Jaime Reyes, a Hispanic teenager, as the Blue Beetle. He’s got this suit of armor that was sent to conquer the earth, but it bonds with him, and he turns to the side of good. That was given to me in part because I’m Puerto Rican. They thought I might have an angle on the Latino experience.

Do you have any plans to do more creator-owned comics like your *Retro Rocket* series?
Since I’m exclusive at DC, it’s hard to work at other companies. We’re trying to release *Retro Rocket* digitally. Maybe we’ll add a little more material, see what else we can do with it. I’d like to do more.
Student Life

THE TECHNIQUE TURNS 100

Nov. 17, 1911
The Technique made a big splash with its debut, featuring a lengthy article written by legendary football coach John Heisman on the front page.

Dec. 19, 1941
This Christmas issue featured an editorial response to the attack on Pearl Harbor, as well as a note about William Rusk, a former football captain who survived the attack.

Sept. 23, 1952
“Large Freshman Class Includes Three Coeds” reads the headline announcing the first group of female students to enroll at the Institute.

Jan. 6, 1953
Splashy photos were a new addition to the front page in this issue, which highlights the bowl victory that led to Tech’s third football championship.
On Nov. 17, 1911, the first issue of *The Technique* student newspaper was published. There have been many student-run publications at Tech over the years, but *The Technique* (its tagline still “The South’s Liveliest College Newspaper”) is the most enduring. To mark its centennial, we combed through the archives and picked out eight memorable covers.

<<<<<

**Sept. 5, 1962**
The paper’s welcome back issue has become an annual fall tradition. This edition wasn’t particularly welcoming.

>>>>

**Sept. 14, 2001**
After the 9/11 terrorist attacks, then-president G. Wayne Clough canceled classes and *The Technique* reported on the campus’ reaction.

<<<<<

**April 9, 2004**
Tech basketball player Clarence Moore screamed out from the front of a special edition commemorating the team’s Final Four appearance.

>>>>

**Feb. 13, 2009**
The recently redesigned newspaper gave top billing to the naming of G. P. “Bud” Peterson as finalist to become the Institute’s new president.
Flags Honor 9/11 Victims

Students planted flags and shared personal stories as the Georgia Tech campus marked the 10th anniversary of the terrorist attacks of Sept. 11, 2001.

A vigil was held on Sept. 11 at the Campanile. Mark Thiessen, who worked as a speechwriter for President George W. Bush, gave an open lecture at the College of Management on Sept. 8. The Georgia Tech College Republicans and the Office of Diversity Programs organized these events.

Program Aids D.C., Interns

The Georgia Tech D.C. Internship Program gave five students each a $5,000 stipend to cover expenses while they worked full-time internships in Washington, D.C.

The program for 2012 is open to both graduate and undergraduate students of all majors. The students are required to find internships on their own, and the fund-
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A Memorial to the Unthinkable

By Van Jensen

Michael Arad stood on the roof of his Lower East Side apartment and watched as the world fell apart.

It was the morning of Sept. 11, 2001. Arad was 32, an architect working for New York City's Housing Authority, two years removed from earning a master's degree at Georgia Tech. People were saying a plane had crashed into one of the World Trade Center towers. And then, as Arad watched, a second plane appeared and cleaved into the south tower.

Arad, a London-born former Israeli soldier who is a dual Israeli-American citizen, ran toward the site, wanting to do something. He had come within a few blocks when the south tower fell.

In the numb aftermath of the disaster, as New Yorkers covered with dust and blood wandered Manhattan's streets and the scope of the terrorist attacks became known, Arad couldn't shake the absence of the towers—and the nearly 3,000 victims—from his thoughts.

A few months had passed when a vision appeared to Arad: The water of the Hudson River flowing along, then suddenly disappearing into two square-shaped holes, footprints of the missing towers.

Arad sat down and began to sketch on a yellow piece of paper. Rough lines marked the riverbank, and light shading marked the water. And there, in the river, two squares, perfectly black. Twin voids.

"It was an inexplicable image, because water doesn't behave that way," Arad said. "But it intrigued me, and so I built a model. I photographed it on the rooftop and could see the absence of..."
the towers being reflected by these voids in the river. I wondered: How could that be explored further?"

Two years passed. Like other New Yorkers, Arad returned to his life. And yet, things weren’t the same.

The towers were gone. In their place was only wreckage that disappeared one truck-full at a time from the 16 acres that came to be known as “the pile,” “the pit,” or simply as Ground Zero.

Something had to be done with the space, and finally it was announced that a juried contest would determine the design of a memorial.

Arad had continued thinking about his design of the twin voids. But the passage of time had changed his concept, toned down the raw pain of his earliest sketch. He recalled a late-night walk to Washington Square Park when he was unable to sleep in the months after the attacks.

“As I walked about the eerily empty and quiet streets of lower Manhattan, I was drawn to the fountain at the center of this public space,” he said. “There I found a few other people standing in silent contemplation. As I joined this circle—strangers both to me and to each other—I felt a sense of kinship and belonging. I was no longer confronting the horrors I had seen alone.

“I could not articulate it clearly at that moment, but I felt a bond form as I understood that I was a New Yorker now in a way I had never been before.”

Arad’s vision was no longer of a lonely memorial in the Hudson River, out of reach, but of one incorporated into the city. A memorial that would be a shared space, a continuing site for remembrance and bonding.

His idea dovetailed with the master plan for the site drawn up by Daniel Libeskind, master plan architect of the Trade Center site. And so Arad revisited his sketch, transposing it onto the eight-acre space dedicated to the memorial. It would be an open plaza punctuated by the two square footprints of the towers as below-ground reflecting pools ringed by waterfalls.

As Arad described it, the new plan was the union of the grief of his original vision and the healing and togetherness of his experience that night in Washington Square Park. He sent his design in, one of 5,201 that would be received.

The jury named Arad a finalist, but they said his design was too stark. Arad then partnered with landscape architect Peter Walker and incorporated trees and other landscaping elements into the plan.

Word came back in January of 2004: Arad and Walker’s design was the winner. Vartan Gregorian, who chaired the 14-member jury, said, “The result is a memorial that expresses both the incalculable loss of life, and regeneration.”

Previously an unknown architect, Arad knew this was the opportunity of a lifetime. But he didn’t know that the selection would come with so many challenges. He didn’t know how much work and stress and uncertainty and media scrutiny would fill the next eight years as he fought to bring his vision to life.

The Ski Bum

The son of an Israeli ambassador, Arad graduated from Dartmouth in 1994 and didn’t know what to do with himself. So he moved to Colorado and became a self-described ski bum.

Two paths opened to him: He was accepted to law school in
Israel and a master’s program at Georgia Tech’s College of Architecture.

“I’ve always been interested in design and architecture,” Arad said. “But I was apprehensive. It seemed like the kind of field that was very challenging. There are very few opportunities available.”

For a year he enjoyed the slopes and mulled his choices. Law school was the safe route, but architecture seemed more attuned to his passion for art and design.

“I had to make a choice, and I struggled with it,” he said. “But I felt I should try something that felt more unknown and riskier. It was something I cared more deeply about. Even if I was frustrated.”

Arad had no architecture background, and so he entered Tech’s intensive three-year graduate program. He recalled it as an “excellent” if challenging experience, one that gave him a thorough foundation.

Tech’s College of Architecture doesn’t hew to a single aesthetic ideology, and Arad soaked up the distinct voices of his professors. He recalled classes with professor Douglas Allen as putting architecture into the context of history and the surrounding urban form. He learned he needed to bring his own voice to a project while collaborating with others. It was advice that would serve him well in the years ahead.

In the near-constant media coverage of the construction at Ground Zero, a picture emerged of Arad as young, impetuous and brash. Walker, the landscape architect, told The New York Times that he and Arad argued over every aspect of placing trees at the site. Arad also had shouted and stormed out of meetings “many, many times,” Walker said.

Arad battled with the architect Libeskind over placement of the memorial. The master plan called for it to be situated within a larger plaza, while Arad thought of the entire plaza as the memorial.

For his part, Arad admits he defended his vision but disagrees with the perception of him as a hothead.

“The brash approach sounds like good copy. But that’s not going to get a project like this built,” he said.

In those early years, the completion of the project was far from assured. Numerous groups with conflicting interests—the Lower Manhattan Development Corporation, the Port Authority of New York and New Jersey, the developer Larry Silverstein, the Memorial Foundation and others—wrestled for creative and financial control.

Meanwhile, the memorial’s price tag skyrocketed. What was to have been a $350 million project had ballooned to $500 million in 2006. At that point, the foundation president decided to halt fundraising, which had brought in only $100 million. The New York Times said the project was “spinning out of control,” and New York magazine claimed it to be “on the brink of collapse.”

To enter the memorial design competition, Arad moved his “twin voids” onto the World Trade Center site.

The Savior

The businessman Michael Bloomberg became mayor of New York City in 2002, and he understood how vital the rebuilding project was to the future of Manhattan.

The plan for Ground Zero included the memorial, a reconstructed transit hub, a 9/11 museum and five new towers, most notably World Trade Center One, which, at 1,776 feet, was designed to be the tallest building in America and third tallest in the world.

In 2006, Bloomberg sacked the president of the Memorial Foundation and took on the fundraising mantle himself. He also negoti-
“I wanted to emphasize the very individual nature of loss. Not their name as part of something else, but the very essence of their personhood, which I think is most clearly communicated in one’s name.”

ated with the Port Authority to share costs and to supervise the construction.

“Mayor Bloomberg entrusted us with this responsibility, but he gave us the time to finish it,” Arad said. “There were moments that were very difficult. But even as it exhausted you, it provided you with what was needed to move forward. We could not do anything but give it everything.

“And it’s not just me. It’s my partners at the office, everyone at the memorial. It was a fractious process and there were difficulties, but we did this together.”

With a new charge of energy, Arad launched back into the project, frequently visiting the site in his bright vest and black construction helmet, watching as the form he had imagined slowly took shape.

Still, there were more concessions to be made. Arad’s plan to incorporate an underground walkway to view the names of those who died in the attacks was deemed to be a security threat. Arad has described that as “a tremendous blow,” and it took him time to get over it.

“He was hard to deal with for a while because he was so upset about it,” Walker told The New York Times.

But Arad did move on, and he learned to build relationships that could help smooth out the process. Bloomberg’s deputy mayor, Patricia Harris, and director of city planning, Amanda Burden, became advocates for Arad.

That led to an easier resolution when Arad opposed the design of the underground transit hub, which called for numerous skylights to be embedded across the memorial plaza. Eventually, the skylights were scrapped.

“What I’ve learned over the past few years is to advocate for this project and to share this vision and to change certain elements to respond to constraints,” Arad said. “This is a public project. It had to emerge through a contentious public debate. To think this could have been built without differing opinions isn’t realistic.”

Though Arad already had navigated through so much of the process, his biggest challenge remained: How to list the names of the dead.

The Names

From the beginning, Arad’s plan called for a list of the names of those who died in the attacks. But deciding on how to display them became one of the largest challenges in the outsized project.

It was finally decided that the victims would be listed on panels at ground level surrounding the two reflecting pools. Next, Arad and his partners needed to decide how to arrange the names.

An alphabetical list wouldn’t work. Arad noted that two men with the exact same name—Michael Francis Lynch—were among the dead. When relatives came to the site, how would they know which name belonged to which man?

Arad also decided not to include positions or ranks for the many police and firefighters who’d died, which led to some criticism from families of those victims.

“Family members had such strong feelings about what meaning would be imputed,” Arad said. “I wanted to emphasize the very individual nature of loss. Not their name as part of something else, but the very essence of their personhood, which I think is most clearly communicated in one’s name.”

What Arad settled upon was a system he called “meaningful adjacencies,” in which the names were grouped according to victims’ relationships while alive. People who worked together for one business, or who served together in a fire department, or who were passengers together on one of the airliners, would have their names listed beside each other.

Family members and friends were consulted and allowed to
make requests. Relatives were placed side by side, as were coworkers and friends. The names of 704 employees and visitors of the investment bank Cantor Fitzgerald who died in the North Tower all were grouped together.

Other groupings came from less obvious connections: the name of a man who died in one tower and the name of his wife’s friend, who happened to be on the flight that struck the building; the names of two men who’d never met before trying to escape together.

While there was some apprehension about the plan, Bloomberg again supported Arad.

The complexity of listing the 2,983 names proved impossible to do by hand. Arad enlisted a software artist to create the arrangement. One algorithm created clusters of names based on requests, which built what looked like puzzle pieces. A second algorithm then determined placements for those clusters on the 76 bronze panels that surround each reflecting pool.

The names were staggered across the panels, adding to the complexity. Arad said that design serves to emphasize each individual. “They’re very sad and powerful individual stories,” he said. “If you knew these people, you’ll know why they’re next to each other. In doing so, you break down the difficulty of relating to a number like nearly 3,000 dead. You start to understand what the toll of that day was.”

The Anniversary

Eight years after Arad began working on the project, the 9/11 memorial—called “Reflecting Absence”—opened in time for a ceremony marking the 10th anniversary of the attacks.

There were speeches by President Obama and former President George W. Bush and remembrances of the lost. Families of the victims saw the memorial for the first time.

One family member was Jelena Watkins, who came from London with her husband and children to honor her brother, who died in the attacks.

“I love it,” Watkins told the Associated Press. “It was a huge relief to see that it’s actually beautiful.”

For Arad, it was the moment of finally seeing his vision made real. While much work remains to be done at Ground Zero, the memorial is complete. Speaking in the days before the public unveiling of the memorial, Arad sounded upbeat if exhausted.

“This project in many ways is like this long journey, and I feel like I’m about to reach its end,” he said. “I very much welcome that moment. I think it’s going to be a difficult and sad day. But there will also be a sense of pride and achievement.

“I’ve certainly grown as a person. I’m just very glad I’ve had a part in this undertaking. It meant so much to me.”

Arad tried to shape the memorial, but he also had to learn to consider other voices and limitations and discover the project’s own voice.

Toward the end of the project, the team discovered that people in wheelchairs could not see the reflecting pools because of the placement of the panels. Instead of becoming frustrated when problematic solutions were suggested, Arad calmly worked with all parties to find the right answer.

In the end, the team cut into each corner of the memorials, allowing access to disabled visitors and adding a more attractive sculptural component to the panels.

“Young obligation as a designer is to try to hold onto that voice, whatever the constraints are,” he said. “Over this period, I think we’ve held remarkably true to the spirit of the design even as we’ve had to accommodate many issues.”

The memorial opened to the public on Sept. 12, and hundreds of visitors passed through security to see the site. Many wept openly as they read the names.

Debra Burlingame’s brother, Charles, was the pilot of American Airlines Flight 77. When she visited the memorial, she discovered that his name was grouped with the others who were on the flight.

“These are all his crew,” she told the Associated Press. “I know all their families. These passengers, I knew their families. These people are real people to me. It’s very touching to see all these people here together.”

Soon, Arad will move on to other projects. In 2004 he joined Handel Architects as a partner, and he’s developing plans for a 60-story mixed use building in China. He said he’s excited for the future both professionally and personally. He and his wife have three children, all of whom were born after 9/11.

His hope for the memorial is simple: that it serves as a place to remember, and that it serves as a place to gather and build community.

“It’s not just about the steel and glass and concrete,” he said. “It’s about the social structures that bind us together.”
Students take a break between classes in one of Clough Commons’ many study areas.

220,000 Clough Commons’ size, in square feet...

2,100 Seats in Clough Commons’ 41 classrooms...
OF CISTERNS
AND STREETSCAPES
THE NEW, GREEN FACE OF GEORGIA TECH’S CAMPUS

Story by Rachael Maddux / Photos by James K. Holder II

Unwitting pedestrians strolling the Tech campus over the summer may have wondered if the school was considering changing its mascot from the Yellow Jacket to the Orange Barrel. But just as students began trickling back into dorms and classrooms, the neon construction partitions faded away and the projects they’d been blocking off for so many months were finally allowed to shine.

“These changes touch all aspects of the Strategic Plan and the Institute’s deep commitment to creating a sustainable campus that is a living-learning laboratory,” said Howard Wertheimer, director of capital planning and space management. “The center of campus is now served by a new transit hub, impervious asphalt parking lots have been replaced with green space and the tree canopy continues to expand, reducing heat-island effect while creating a more beautiful campus environment.”

In late August, the G. Wayne Clough Undergraduate Learning Commons opened its doors, with its namesake, Tech alum and former President G. Wayne Clough, present for the building’s dedication. Its sustainability-focused design and student-centered resources immediately established it as a crown jewel of campus, and it hosted both President G. P. “Bud” Peterson’s annual address and countless study groups in its first few weeks.

Nearby, a new 1.4 million-gallon cistern installed under Tech Green will collect rainwater runoff and reduce Clough Commons’ dependency on water from the City of Atlanta. And under the brand-new John and Mary Brock Football Practice Facility, a 280,000-gallon cistern harvests runoff to irrigate the Rose Bowl Field, the Russ Chandler Stadium and the track.

Meanwhile, the North Avenue Dining Hall has replaced the row of retail shops housed on the bottom level of the North Avenue dorms acquired by Tech in 2007. The dining hall’s ebbing rainbow lights lure in hungry students 24 hours a day. (Both Clough Commons and North Avenue are aiming for LEED certification in the coming months.)

The South side of campus is still in progress as Tech, in partnership with Coca-Cola, continue the widening and greening of the sidewalks along North Avenue. All this while the nation’s economy continues to slump—but rather than putting a damper on construction, that has actually allowed Tech to expand its plans.

“When we built Clough Commons, we were very fortunate to hit the marketplace at the right time,” Wertheimer said. “As a result, we were able to get tremendous value for our dollar and were able to include Tech Green, which helps define the center of campus.”

It doesn’t stop here, of course. Among many other projects, next up is the transformation of the Alexander Memorial Coliseum into McCamish Pavilion, plus work on the new Ken Byers Tennis Complex. But before we welcome another round of orange barrels onto campus, the Alumni Magazine wants to properly introduce you to Tech’s newest additions.
1,400,000 Capacity, in gallons, of the cistern below Tech Green, just beyond Clough Commons.

Above: Clough Commons overlooks Tech Green to the west and the newly-renovated Tech Walkway (formerly the Skiles Walkway) to the south.
1,400,000
Capacity, in gallons, of the cistern below Tech Green, just beyond Clough Commons.

360
Suniva solar panels and 30 AET solar hot water collectors installed on Clough Commons’ roof...
Companies (Apple, Google and IBM) whose board rooms inspired presentation rooms in Clough...
The five-floor Clough Commons building attaches on its east side to the Price Gilbert library, so its study rooms (including one carpeted with grass-green artificial turf and stocked with giant bean bag chairs) and open-air seating areas are just steps away from nearly limitless knowledge and resources.
The Clough Commons rooftop garden is a lush, green respite—complete with electrical outlets hidden under benches and along paths.

89 Percent of water reused throughout Clough Commons . . . 18,000 Square footage of Clough’s rooftop gardens.
Species of water-efficient and native plants growing around Clough Commons, including its rooftop green space
280,000 Capacity, in gallons, of the cistern below the Brock Practice Facility, which will provide water for the
280,000 Capacity, in gallons, of the cistern below the Brock Practice Facility, which will provide water for the building and surrounding athletic fields.

590 Tons of steel used in constructing nearly-football-field-sized building.

Above: The Brock Practice Facility overlooks Chandler Stadium.

Left: The Yellow Jackets practice for an upcoming clash on the gridiron.

Below: The facility opens onto the outdoor practice field via six airhanger sliding doors.
20,000 Size of the new North Avenue Dining Hall in square feet . . . 325 Guests that can sit and eat at
20,000 square feet

9

Food stations at North Avenue, serving pizza, pho and more.

Far left: The North Avenue Dining Hall’s modern façade anchors the Tech campus’ southeast corner.

Top, middle: President G. P. “Bud” Peterson addresses the crowd gathered for the dining hall’s grand opening in August.

Below: The illuminated dining hall beckons to students, no matter how late—it’s open 24 hours Monday through Thursday.
Everyone knows Tech students think big. So it should be no surprise that now, more than ever, there’s a growing awareness among the student body that a Tech degree is made even more valuable by connecting to the alumni network before graduation.

That’s something that the Alumni Association has known for many years. And so the Association has invested time and resources to build students into loyal alumni while they’re still on campus.

That investment is embodied in three student organizations that the Alumni Association operates: the Student Alumni Association, Student Ambassadors and the Georgia Tech Student Foundation, which was recently named the nation’s Outstanding Organization by the Council for Advancement and Support of Education.

“That tradition of involvement with students has benefited Georgia Tech and the Association for decades,” said Joe Irwin, President of the Alumni Association. “If you look at the volunteer leadership rosters for Tech alumni boards, they are filled with past members of the Association’s student organizations.”

Ensuring solid leaders for the future is just one benefit of engaging with Yellow Jackets before graduation. It’s also crucial for alumni giving, which allows both the Institute and the Alumni Association to thrive. This year, Tech received $118 million in donations, the second highest total ever, and more than half came from alumni. Tech alumni give at a nearly 50 percent rate—about twice the national average.

“It’s this kind of support that helped Tech reach No. 24 in the London Times’ annual rankings of the world’s greatest colleges and universities,” Irwin said. “Through their activities and programs, these three student groups help Tech students learn how to succeed on campus and in the real world after they graduate.

“The groups are sophisticated, accomplished, highly visible and respected operations that serve both Tech and her alumni. And that’s at the heart of the Alumni Association’s mission.”

But how do these student groups work, and what do they do? The Alumni Magazine shadowed the leaders of the Student Alumni Association, the Student Ambassadors and the award-winning Student Foundation to get a closer look at how they’re helping to shape the Georgia Tech alumni of tomorrow.

It’s fitting to begin an introduction to the Alumni Association’s student organizations with the Student Ambassadors (gtambassadors.org). After all, the Ambassadors essentially serve as the face of Georgia Tech, hosting prospective students and other visitors on hundreds of campus tours and maintaining a presence at dozens of public events each year.
One such event, the third annual Legislative Day, was held the morning of Sept. 17. President G. P. “Bud” Peterson had invited a couple of hundred legislators, department heads and other state administrators to the private reception in appreciation for their ongoing support.

Zachary Higbie, president of the Student Ambassadors, knew that he and his fellow Ambassadors would be the only Tech students the visiting alumni and government leaders would talk to, so it was crucial that the Ambassadors fully embody Georgia Tech tradition, spirit and pride.

Higbie joined the group after noticing, as a freshman, that a lot of the student leaders he admired—the Student Government Association president, members of the FASET Cabinet and the Interfraternity Council president—were Ambassadors, too.

“At first I didn’t really know what an Ambassador was,” he said, “but then I connected the dots, whether it was a big group of them in the same Facebook picture together in their white polos, or just hearing about some of the things they did.”

Each of the 61 Ambassadors must be available to host at least four events, tours or ceremonies per semester, where they connect with alumni and other important visitors. Though their schedules may be hectic, Higbie said the Ambassadors seek motivated and often busy campus leaders.

“People who know the most about Georgia Tech are ultimately involved in other things. Everybody’s pretty busy, and they have their own time commitments,” Higbie said. “But at the same time, we don’t specifically want people who are just going to work their four events and be done. We want people who are committed to the organization.”

Among those campus leaders who have joined the Student Ambassadors is Jacob Tzegaegbe, who is also a Rhodes Scholar semi-
finalist, a former member of Tech's swimming and diving team, senior class president of the Student Government Association—and current president of the Georgia Tech Student Foundation (gtsf.gatech.edu).

Founded in 1986 with a $100,000 gift from the late J. Erskine Love Jr., ME 49, the Student Foundation has expanded that initial endowment to a current total of more than $825,000 through the investment decisions made by the group’s Investment Committee.

Tzegaegbe, a fourth-year civil engineering major, said his interest in the group’s financial component that initially led him to join the Student Foundation in fall 2009. Now, while he remains involved in the group’s investment side and in encouraging students to give, much of his energy is focused on the ways the Student Foundation can ensure its impact on campus—and on the world outside Tech—is as big as possible.

The Student Foundation gives about $15,000 per semester to student groups on campus to meet a variety of needs. They’ve helped fund a student magic club that wanted to perform bigger illusions, purchased a telescope for the astronomy club and provided funding to Tech’s Engineers Without Borders chapter to help develop clean water supplies in Third World countries.

“There’s no other organization that’s trying to get students to give back but also has this hand in managing investments, the development of future leaders in philanthropy at Tech and also in so much around campus,” Tzegaegbe said. “No other organization is really that dynamic or diverse.”

Tzegaegbe has employed a collaborative approach to building the Foundation’s board of trustees, reaching out to academic advisors and others across campus in order to scout new, fresh perspectives to add to the mix.

The biggest new collaboration the Student Foundation has forged is one with the Georgia Tech Student Alumni Association, which encourages student giving and involvement.

The aim of SAA (gtsaa.com) is to teach students the value of the Georgia Tech Alumni network, the importance of philanthropy to Tech and the pride in the traditions of the Institute.

After being inactive for several years, the SAA relaunched in 2010, and within the academic year recruited more than 2,000 members, making it the single largest student group on campus.

Members each make a $10 gift to Tech, and in turn receive access to career advice programs plus hundreds of dollars worth of discounted goods and services.

Of that $10 gift, half goes to the Student Foundation for the Roll Call annual fund; the other half goes the SAA Gift to Tech, which SAA members vote on each year. In 2010, the SAA voted to give more than $20,000 to the Office of Solid Waste Management and
Recycling to support recycling and sustainability on campus.

On Sept. 15, the SAA’s second-year kickoff took over Tech’s campus with seven stations offering info on the SAA, sign-up initiatives and free food. Leaders from the SAA, Student Ambassadors and Student Foundation worked side by side with Tech alumni to recruit students to join the Association.

By the end of the day, more than 1,600 signed up for membership. (As of press time, 1,925 students had joined SAA, working toward a year-end goal of 2,500.)

That night, more than 600 new and returning SAA members ventured to Tech Tower Lawn for an SAA kickoff party, enjoying food catered by the U Restaurants of Riccardo Ullio, CE 90, MS EnvE 93, the well-known restaurateur behind local digs Sotto Sotto and Fritti.

SAA members then mingled with dozens of Tech alumni representing companies such as Coca-Cola, MailChimp, Ridgewood Venture Capital, Waffle House, Kimberly-Clark, Coca-Cola and, of course, Georgia Tech itself.

Justin Rowland, president of the SAA and one of its founding members, knows the value of interacting with alumni leaders—and knows his fellow students do, too.

“Involved students don’t want weekly requirements; they want something really easy to join—a low-involvement, high-impact kind of thing,” said the biomedical engineering student. “Freshmen say, ‘How can you connect me with alumni? How can you help me right now?’ … We say, ‘Hey, this is what we did, this is what helped me, and maybe it’ll help you too.’”

The Alumni Association enlists alumni to as keynote speakers, hosts of Dinner Jackets (a series of dinner events with alumni and students) and participants in the Mentor Jackets program, which pairs alumni and students as mentor and mentee for an entire year.

This year it’s anticipated that more than 800 students will be connected to Tech alumni through Mentor Jackets. (Those interested may sign up at gtalumni.org/mentorjackets.) The SAA also connects students with Tech’s history through its Tradition Keepers program, an ongoing celebration of Tech legends.

At the end of the 2011 SAA kickoff, students walked away knowing that Georgia Tech alumni aren’t just nebulous figures floating out in the world—they’re real people with strong connections to their alma mater, and with experience and knowledge aplenty to share.

And alumni, too, learn something important when they interact with members of any of these three student groups. They see the amazing efforts that Georgia Tech students are making as they work together to make the Institute a better place.

They see that Georgia Tech’s future is in good hands.
Yellow Jackets, Bluegrass
A band of Tech students and grads plots its next move

By Rachael Maddux

Seven Handle Circus may be one of the hottest startups to come out of the Georgia Tech community in quite some time. You can’t download its source code, and it’s not the product of countless hours spent tapping away on a laptop in the Clough Commons Starbucks. It’s no app—it’s a band. Still, the guys behind it consider the endeavor “a business, like any other.”

Members of most young bands would balk at their frontman describing their act like this, as Seven Handle Circus lead singer/guitarist Shawn Spencer does one late-summer evening on the patio of Cypress Street bar in Midtown Atlanta. But the members of most young bands don’t include two graduates of Georgia Tech’s College of Management.

“We don’t want to approach it necessarily like it’s a traditional band,” says Matt Norris, Mgt 04, who plays bass for the bluegrass-inspired outfit. Four of the six bandmates are gathered at Cypress Street for beers, each just off the clock from their respective office jobs. “We want to approach it like an innovative startup.”

“We had a class called Strategic Management,” adds Spencer, Mgt 10, chiming in from across the table. “And that was a great one that taught us, just look at the market as a whole and where it’s headed and meet up with it later instead of trying to follow these niches.”

The band, whose members also include students of computer science, engineering and building construction, has spent the better part of the last two years carving out a niche of its own. It all started on the front porch of the Sigma Nu house in early 2009. Colin Vinson, CS 10, and Spencer had always enjoyed jamming with their fraternity brothers at parties and on lazy afternoons, but when Vinson was gifted a banjo for his 21st birthday, a more serious musical partnership crystallized.

The two friends, fans of bluegrass greats like Doc Watson and more recent acts like New Grass Revival and Alison Krauss & Union Station, began collaborating on simple, twangy acoustic songs in spare time carved out between classes.

When they were ready to record, the pair could’ve easily assembled a makeshift recording setup in someone’s dorm room, but instead took their tunes over to the music studios at the Couch Building. Thanks to having taken professor Chris Moore’s Media Production course, Spencer had both access to the studio and the know-how to set his and Vinson’s songs to tape.

It wasn’t the last time the Tech community would prove useful to the young band. When Spencer and Vinson started playing live shows around campus they borrowed PA systems from Under the Couch, the student-run club and musician’s network now housed in the Stamps Student Center.

And when it came time to recruit new members, a few fellow Yellow Jackets seemed like obvious additions. Mandolinist Steve Bledsoe, a mechanical engineering student, and drummer Jeff Harrison, CE 09, fellow fraternity brothers, had been early collaborators on the Sigma Nu porch. Richard Burroughs, an architecture student, joined on the fiddle. And after the band’s original bass player moved out of town, Norris was recruited—though he’d already played an important role in the band’s formation.

 “[In middle school, Shawn] asked me to teach him guitar lessons, but in like two months he was already way better than I was,” Norris admits. “Then it was like, ‘We should be friends.’”

Seven Handle Circus’s collective talent was evident, too, to the crowds they began playing for at bluegrass nights and other events around Atlanta. At parties sponsored by fraternity contacts, they might bust out a cheeky rap cover, but for the most part they play from their ever-growing original catalog.

“We’ve gotten to the point where there are lots of people coming up to us after shows and it’s awesome,” Spencer says. “We don’t even know them.”

Fans now sing their lyrics back to them during concerts, and...
their song “Georgia Man” has become something of a local hit.
This is mostly thanks to the band’s own hard work, but a particular lucky encounter earlier this year certainly didn’t hurt.
In June, Seven Handle Circus was playing an afternoon show at Publik Draft House in downtown Atlanta when they caught the ears of a few members of the British folk-pop band Mumford & Sons, who were headlining at the neighboring Fox Theatre later that night. Lead singer Marcus Mumford and his crew were impressed, and they asked the Seven Handle guys to open the show for them.
“We’d been joking about it for weeks because we knew ... they were playing that night, and we were like, ‘Wouldn’t it be funny if they walked in and saw the set?’” Vinson remembers. “None of us had tickets to the show, it was completely sold out. It was amazing.”
In early August, the band spent a weekend in Asheville, N.C., recording instrumental tracks for its first proper album. Backed up by Eldest Only, the production group behind recent releases from bands like Atlanta’s Manchester Orchestra, they hit the mics at Echo Mountain Studio, where artists as diverse as the Smashing Pumpkins and the Avett Brothers have recorded. After recording vocal parts in an Atlanta studio, Spencer says they hope to have the record self-released by November, available in both physical and digital form—a decision not made lightly.
“Until recently, I was totally about not pressing because everything’s available for download,” Norris notes. “But I read recently that almost 63 percent of indie record sales are still CD. So it kind of changed my mind. We still have to do that side, too. But we definitely want to push more towards online distribution.”
They briefly considered turning to Kickstarter, a relatively new “crowdfunding” website that allows bands and other artists to fund projects by collecting donations from fans and offering small tokens of appreciation (like free CDs and autographs) in return, but ultimately decided against it.
“We’ve been bootstrappin’ this whole way so far,” Vinson says. “We’ve only been funding by internally investing, reinvesting our own money,” Spencer adds.
“And that’s our plan for the time being,” Vinson affirms. “If we’re going to treat this like a start up we’re going to act like it.”
Once the album is out, the band plans to play a few mini-tours of the Southeast, taking off work and class on Friday and packing in as many shows possible from Thursday night to Sunday. That’ll do for now, they say, but they’re well aware a tipping point might be looming not so far down the line.
“There will be a point where some risk has to be taken,” says Norris. “And I think it’ll be [a situation where] we definitely won’t have all the money to do it but it’ll be enough that we’ll be like, ‘OK, this is too good not to pass up.’ And I think we felt that way in Asheville. After we recorded all weekend, I think all of us are feeling like we want to do this for the rest of our lives.”
1950s
Randy Cabell, EE 53, MS EE 54, wants classmates to know that his band, The Fowl-er Street Five, popular at Tech in the 1950s, reformed in 1995 and has a number of recorded favorite songs to share. Email him at RCabell@DHoVA.com to receive a digital download of the MP3 files.

1960s
Joseph P. Stoner, ChBE 66, was selected as a member of the 2011 class of Fellows of the American Chemical Society. Paul L. Houston and C. David Sherrill, professors of chemistry at Tech, were also selected.

1970s
D. Albert Brannen, Psych 78, has been selected by his peers for inclusion in The Best Lawyers in America 2012. He currently serves as partner and team manager in the Atlanta office of Fisher & Phillips LLP.

Gregory J. Grant, Chem 74, PhD Chem 80, received the 2011 National Award for Research at an Undergraduate Institution, presented by the American Chemical Society during its annual awards banquet. Grant is the Irvine W. Grote Professor of Chemistry at the University of Tennessee at Chattanooga.

Rod Westmoreland, Mgt 74, was recently recognized by Registered Rep as one of the Top 100 Wirehouse Advisors in America. He is a private wealth adviser in the private banking and investment group at Merrill Lynch.

1980s
James “Jay” Carson, BC 87, has been elected AACE international director region 3, overseeing six southeastern states for the engineering society. He is employed as project manager for Atlanta-based consulting firm Project Time & Cost, Inc.

Herb Congdon, EE 86, accepted the position of associate vice president of the Telecommunications Industry Association in July. Congdon has worked in the information and communications technology since 1992, and previously served as a commissioned officer in the U.S. Navy nuclear submarine force.

Brad Douglas, IM 86, recently accepted a position with SunTrust Bank as senior vice president of strategic sourcing. Douglas previously served in Governor Sonny Perdue’s administration as commissioner of Georgia’s Department of Administrative Services. There, Douglas transformed various back office functions for the State of Georgia.

Gene Espy, IM 50, was surprised in September with a celebration in honor of the 60th anniversary of his through-hike of the Appalachian Trail, the longest continuously marked footpath in the world.

At a meeting of the Exchange Club of Macon, Ga., Espy was called to the stage and told Sept. 30 would be Gene Espy Day in Macon, by proclamation of Mayor Robert Reichert. Espy completed the hike on Sept. 30, 1951, having covered 14 states and more than 2,000 miles.

Earlier this summer, Espy was among the inaugural class of the Appalachian Trail Hall of Fame. Espy is recognized as the second man to complete the trail, but recent research has indicated he might have been the first.

As reported in the Macon Telegraph, Jim McNeely, an attorney and hiker, investigated the journal of Earl Shaffer, who supposedly first completed the trail in 1948. McNeely claims that Shaffer skipped over about 170 miles of the trail by taking shortcuts and traveling as a hitchhiker.

Espy, however, has no problem with being second on the list.

“I got what I intended out of the Appalachian Trail,” he was quoted in the Macon Telegraph. “I got to see God’s work in nature.”

Tim Eichenlaub, MS IM 82, has been hired as AloStar Bank of Commerce’s chief credit officer. Previously, he was a managing director at investment firm Bayside Capital.

Wesley Howard, IM 82, has been promoted to president of Lanier Clothes. He has worked for Oxford Industries, Lanier Clothes’ parent company, since 1982.

Jeff Hubbs, EE 85, has accepted a position as a senior IT support professional in Tech’s College of Computing and has been accepted to the master’s of public policy program.
HIMSS Celebrates 50 Years, Honors Tech Alumni and Faculty

This year, the Healthcare Information and Management Systems Society (HIMSS) awarded 50 individuals who have shaped the organization and its efforts over its 50 years.

Among the honorees were Tech alumni John R. Freeman, IE 61, MS IE 64, Ph.D IE 67; Pamela Wilcox Arlotta, HS 80; Jeff A. Cooper, HS 85; and John A. Page, MS HS 82. Former Tech faculty members Justin A. Myrick and the late Harold E. Smalley were also honored.

HIMSS was founded in 1961 by Smalley, then a professor at Georgia Tech, and was headquartered at the Institute in its early years.

John Lindsley, Mgt 97, and wife, Jennifer, welcomed daughter Julia Anne in December 2010. Julia joined big sisters Kate, 5, and Lauren, 4, at the family’s home in Roswell, Ga. John is an area manager for Verizon Communications.

Kristy Hixson McManus, Mgt 96, graduated in May from the University of Georgia with her PhD in business administration, marketing. This fall, McManus began work as a member of the marketing faculty at the University of Wisconsin-La Crosse.

Laureen Hobbs Pellegrino, ME 94, and her husband, Joe, welcomed a son, Oliver Rice, 4, at the family’s home in Roswell, Ga. He joins big sister Jocelyn Sabine at home in Rocky Point, N.Y.

Martin Poteralski, Arch 94, received his MBA from the University of Virginia’s Darden School of Business in May. He now works as a senior business manager at Capital One Financial. Poteralski lives in Richmond, Va., with his wife, Erin, and their two daughters, Emerson and Gillian.

Lois Rule, MS Mgt 98, and Becky Rule, MBA 11, the first parent-child duo of graduates from Tech’s College of Management, celebrated the opening of their Marietta, Ga., art gallery, 2 Rules Fine Art, in September.

Joe Stallings, IntA 92, has been elected to the board of Atlanta’s Frazer Center, a non-profit organization providing family and...
community-based services to children and adults with physical and development disabilities. He also serves as partner and director of communications at investment advice group Balentine.

**Alfred E. Thesmar**, Mgt 91, competed in the 103rd running of the Chicago Race to Mackinac on Lake Michigan this summer. It is the longest annual freshwater sailing race in the world. This was Thesmar’s ninth “Mac,” and he crewed with friends aboard Archimedes II, which won their section of 19 boats. Alfred works for Air Liquide and lives in Falls Church, Va., with his wife, Hilary, their daughter, Elizabeth, 6, and son, Cooper 3.

**Kari Edison Watkins**, CE 98, and **Akwetee Watkins**, ME 98, have returned to Atlanta along with their two young daughters. Kari has moved to the other side of the podium, taking an assistant professor position with Tech’s civil and environmental engineering department at Georgia Tech. After a 15-year career in aerospace, Akwetee now teaches physics at Westminster Schools. Both are thrilled to be back “home” amongst the Jackets.

**Tina Foxx Whitfield**, CE 97, and her husband, Ed, announce the birth of their first child, daughter Sophie Alice, on Dec. 16, 2010. Tina is the water section manager for HDR in Billings, Mont.

**2000s**

**Shane Bailey**, IE 02, joined Home Depot’s supply chain team in August after eight years with Shaw Industries. He will serve as logistics manager of process and performance engineering.

**Suzanne Whitfield Clark**, ID 08, and **Matthew Ryan Lane**, EE 09, were married in February in Jasper, Ga. They reside in Marietta, Ga., where Suzanne is a product designer at Rehrig Pacific Company and Matthew is an electrical engineer at ENERCON Services, Inc.

**Jarrett P. Dunn**, ME 03, lieutenant in the U.S. Navy, graduated in September from Surface Warfare Officer Department Head School in Newport, R.I., and was assigned as chief engineer of the USS Forrest Sherman, an Arleigh Burke class guided missile destroyer out of Norfolk, Va. He previously earned a master’s degree in systems engineering and analysis from the U.S. Naval Postgraduate School and a master’s in defense technology and systems from the National University of Singapore.

**Guillaume-Jean Herbiet**, MS CS 07, and **Claire Ghibaudo**, a former GTRI research intern, celebrated the birth of their first son, Valentin, on Aug. 19. Herbiet was recently appointed technical manager at HotCity S.A., Luxembourg’s most prominent wireless Internet access provider. The family resides in Thionville, Lorraine, France.

**Samuel Wren Fowler**, NRE 05, has joined NAC International as a licensing engineer. He and his wife, **Suzanne Fulcher Fowler**, Mgt 03, reside in Alpharetta, Ga.

**Hannah Kasulka**, Mgt 09, after moving to Los Angeles to pursue acting, will appear as a cheerleader in the new NBC series *Game Time: Tackling the Past* this fall.

**Ewelina Kieley**, Biol 08, will open Swit Bakery and Cafe, a European-style bakery, in Atlanta’s West Midtown neighborhood in December, in partnership with fiance **Stephan Prockow**, CS 09, and his family.
Olivia T. Luk, Chem 00, has been named the 2011 recipient of the prestigious American Inns of Court Sandra Day O’Connor Award for Professional Service.

Chris McIlvoy, MBA 08, and his wife, Lisa Millen McIlvoy, Arch 95, announce the birth of their daughter, Frances May, on April 14. Frances joins older sisters Alice, 5, and Camille, 3, at home in Atlanta. Chris is technical director at Siteworx, and Lisa is director of Marketing at the W.P. Hickman Company.

Thomas “TJ” Muehleman, Mgt 00, of Atlanta, recently launched We&Co, a company whose smartphone app allows users to connect with everyday service providers like hairdressers, bartenders and mechanics.

Kalpana Oommen, IE 09, has been promoted from information technology audit manager to advisory and assurance director at Cox Enterprises.

Shwetak Patel, CS 03, PhD CS 08, was named a 2011 MacArthur Fellow. Currently an assistant professor in the department of computer science and engineering at the University of Washington, Seattle, Patel will receive $500,000 in support over the next five years to fund his work, which involves the development of sensor technology to improve home environments. The technology will aid with tracking appliance energy consumption, providing advanced home security and caring for the elderly.

Jessica Parsons, Psy 05, has been named vice president of Good Measure Meals, the social enterprise unit of Atlanta nonprofit Open Hand.

Louise Russo, Mgt 04, was hired as web architect and project manager at Jackson Spalding, an Atlanta-based PR and marketing firm, in August. She resides in Sandy Springs, Ga. Previously, she worked as the web marketing manager for the Georgia Tech College of Computing.

Stephen Selfridge, ISyE 01, MBA 06, and Jennifer Dykes Selfridge, Biol 01, announce the birth of their son, Luke Jackson, on June 19. Luke joins his 1-year-old sister, Kate, at the family’s home in Huntersville, N.C. Jennifer is a middle school science teacher and Steve is a vice president of the Online and Mobile Channels Team at Bank of America.

Christina Sampanes Westmoreland, IntA ML 00, and Marc Westmoreland, ME 97, announce the birth of their daughter, Lillian Marina, in June. Christina is an equity position trader at SunTrust Robinson Humphrey and Marc is a financial advisor at Wells Fargo Advisors. The family lives in Atlanta.

Navraj Singh, EE 08, earned a Master’s degree in electrical engineering from Stanford University in 2011. Upon graduation, Singh accepted a research scientist position in Northern Colorado at R&D company Numerica Corporation, founded in 1996 by Aubrey B. Poore, AMath 68, MS EM 69.

Walker, Mgt 03, and Tori Stewart, EE 05, recently moved to Macon, Ga., from Birmingham, Ala. Walker has joined the law firm of Hall, Bloch, Garland, & Meyer, LLP as an associate.

Dennis Sugrue, Mgt 03, recently graduated with a master’s of science in finance, with a concentration in corporate finance from the London Business School. He currently lives in London and is the head of reinsurance ratings for Europe, the Middle East, and Africa for Standard & Poor’s.
Stephanie Bright Villano, IE 02, and Jason Villano, Mgt 02, welcomed boy/girl twins, Reece and Gabriella, on July 5. They join their brothers, Chase, 6, and Cole, 4, at the family’s home in Woodstock, Ga. Jason is a national account team leader for Odwalla. Stephanie is a part-time engineer with GDS Associates, Inc. and a full-time mother.

David Horwath, Jr., CE 05, and his wife, Lisa, welcomed new daughter, Kayla Renee Horwath, on Aug. 27. Kayla’s first outfit proclaimed her Yellow Jackets pride.

Looking for the perfect gift for the Georgia Tech fan in your life?

Whether you’re looking for replicas of the Ramblin’ Wreck, Georgia Tech return address labels, Baby Buzz Club packages, or Tech jewelry and clothing, you can find it at:
http://gtalumni.org/pages/merchandise
Brandon “Swaff” Swafford, ID 07, has received numerous awards for his work as a songwriter and producer. A song he co-wrote and produced for singer J. Douglas Wright, “Glorious Saviour,” won second place in the International Songwriting Contest and placed first in the Independent Music Awards, finishing ahead of thousands of entries in each contest. He worked as mixing engineer on the new album from the band 7eventh Time Down and is currently mixing a Christmas record from band After Edmund.

Joshua J. Wilburn, Biol 09, married Yvonne Robinson in Tallapoosa, Ga., on Dec. 18, 2010. They now live in Macon, Ga., where Joshua is a second-year medical student at Mercer University.

Leonard “Jay” Wilkins, Jr. Math 03, completed his PhD in mathematics at the University of Tennessee, Knoxville, in May. He received the Doctoral Graduate Outstanding Research Award for his work in singular and fractal geometry, and is now a postdoctoral research fellow in the mathematics department at the University of Connecticut. He lives in Ellington, Conn. Previously, he earned a master’s degree in mathematics from Clemson University in 2005.

2010s

Kenyata Martin, ChBE 10, a brand manager at Old Spice Global Innovation, was featured in the 2011 P&G Annual Report, discussing the thinking behind Old Spice’s successful “Smell Like a Man, Man” ad campaign.

Robert McFeters, ChBE 10, has joined Harrington Group as a fire/explosion protection engineering consultant, relocating from Pittsburgh, Penn., to Atlanta for the job. Previously, McFeters worked as an associate field engineer for Halliburton Energy Services.

Friends

Greg Colson, director of Music at Georgia Tech for many years, retired from his position as choirmaster at the Episcopal Church of St. Peter and St. Paul with a final concert on Oct. 9.

Ethan Maretich, AE 08, and Laura DeMichelis, PubPol 08, were married on August 27 in Atlanta. They now live in Aurora, Colo., where Ethan is a senior engineer at Eaton Corporation and Laura is a law clerk with Leventhal, Brown, & Puga, P.C. After the wedding, the happy couple and wedding party were proud to pose with the Ramblin’ Wreck.

What have you been up to?

To have your news included in the Ramblin’ Roll, send us the details at Ramblin’ Roll, 190 North Ave. N.W., Atlanta, GA 30313, or email us at ramblinroll@gtalumni.org. Photos may be submitted for inclusion in the online Ramblin’ Roll.
In Memoriam

1930s

Karl A. Bevins, EE 39, of Atlanta, on July 29. He served as traffic engineer for the city of Atlanta until his retirement in 1978 and was first-chair clarinetist with the Atlanta Symphony Orchestra.

Bruce Winston Hafley, Cls 39, of Atlanta, on June 28. He served in the U.S. Army during World War II. He was an artist and portrait painter.

William G. Thrash, CE 39, of Hilton Head Island, S.C., on July 4. He was commissioned a Second Lieutenant in the Marine Corps in 1939 and retired in 1972, having been awarded the Distinguished Service Medal with one Gold Star and the Silver Star Medal, among other honors.

1940s

Herbert E. Boss, ME 48, of Escondido, Calif., on July 4. His undergraduate career at Tech was interrupted by his service in the U.S. Army in World War II, during which he earned three Purple Hearts. He worked for the Aerofin Corporation.

Leonard Larkin “Lee” Browning, Jr., EE 47, of Buxton, N.C., on July 7. His service as an officer in the Army Signal Corps in the Pacific Theater of World War II interrupted his time at Tech.

Joseph Edmund “Joe” Daniel, Sr., BE 45, of LaGrange, Ga., on Sept. 23. As a student, he played football and served as president of the Student Government Association and president of his senior class. Mr. Daniel served as a lieutenant in the Navy in World War II and the Korean War. He went on to serve as president of the Daniel Lumber and Construction Company and played an active role in LaGrange civic groups.

Robert Eugene Davis, Cls 49, of Rockmart, Ga., on July 5. He served as a captain in the U.S. Air Force in French Morocco during the Korean War.

Clayton J. Davis, Sr., EE 41, of Fort Myers, Fla., on July 12. He served in the U.S. Army Air Corps during World War II. He worked for IBM.

Wade Hampton Dennis, IE 47, of Atlanta, on July 27. He managed a vending services company, Carolina Vendomatic, and later worked for ARA Services.

Walter Foote Dowman, Jr., Text 49, of Longwood, Fla., on July 26. At Tech, he was a member of Chi Phi Fraternity. He was founder and owner of Walt Dowman’s Mid-Florida Textiles, later known as Mid-Florida Textiles Inc.

Lloyd E. “Nipper” Farley, Cls 48, of Houston, on Sept. 1. He worked in the oil industry, including many years with the Texas Brine Company.

William M. “Bill” Hamilton, IM 49, of Lake Wales, Fla., on June 6. He served in the Army in Europe during World War II.

Charles Matthews Gorman, Jr., IM 49, of Winston-Salem, N.C., on July 22. While at Tech, he was a member of Phi Delta Theta fraternity. He was a project manager for Tuttle White Constructors and Planted Earth and co-owned the Crescent JB Cattle Ranch.

Thomas Campbell Karnes, Jr., ME 42, of Winston-Salem, N.C., on July 22. While at Tech, he was a member of the ROTC program, and later served as a captain in the U.S. Army Air Corps during World War II. He was a senior engineer for Bahnson Corp.

John Francis “Frank” Kneisel, GE 42, of Atlanta, on July 27. He joined the Naval ROTC at Tech and later served on active submarine duty during World War II. He was later commissioned an Ensignment in the Navy. In 1959 he founded Kemco Metal Products, a light gauge metal manufacturing company, from which he retired as president in 1981.

James H. Lockhart, EE 41, of Atlanta, on July 25. He served as a naval officer during World War II and went on to have a 44-year career with Georgia Power. Survivors include his son Robert S. Lockhart, AE 72.

Walter Branham Lumsden, Jr., ME 41, of Sweetwater, Tenn., on July 9. He was the Monroe County historian, a trustee at King College and moderator of the Presbytery of East Tennessee.
Charlie McLaughlin

Charlie McLaughlin, IE 48, of Rancho Palos Verdes, Calif., on Jul 23. He served as a commissioned officer in the U.S. Navy.

Samuel C. McLendon

Samuel C. McLendon, PHE 43, of Palm Beach, Fla., on Aug. 15. He served for three years in World War II on a heavy cruiser and assault troop transport in the Pacific. He was a partner and part owner of the consulting engineering firm H2M Group and was a member of the Georgia Tech Club of the Palm Beaches.

Andrew H. Muzio

Andrew H. Muzio, ME 45, of Akron, Ohio, on Sept. 4. He served as a Naval officer for seven years, serving in the Pacific during World War II and in the Korean War. He worked for the R.D. Cole Manufacturing Company and later Babcock and Wilcox.

W. Vincent Neisius

W. Vincent Neisius, ChE 40, of Atlanta, on Sept. 18. While a student at Tech, he was a member of the Sigma Phi Epsilon fraternity. After receiving his master’s in mathematics from Emory, he returned to Tech and taught math for 10 years. Later, he helped design some of the earliest computers, working for Thompson-Ramo-Wooldridge from 1961 until his retirement in 1987. A member of Mensa, his favorite saying was, “Oh joy, oh rapture!”

Edwin King Nelson III

Edwin King Nelson III, GE 49, of Tampa, Fla., on July 27. He served on the Coast Guard Reserve and retired after a 39-year career at the Tampa Electric Company. Survivors include his son Phillip Nelson, IM 81.

Francis M. “Rip” Ripley

Francis M. “Rip” Ripley, Cls 40, of Decatur, Ga., on Aug. 30. He served in the U.S. Army in Japan after the end of World War II. He retired from Southern Bell after 36 years as a field engineer.

James G. Robertson, Jr.

James G. Robertson, Jr., EE 49, of Dallas, Texas, on Aug. 10. Before attending Tech, he served in World War II as a naval combat aircraft radar technician in the Pacific. He retired from IBM after 35 years and founded the Root Seekers Genealogical Society.

Charles “Chuck” Wallace Samford

Charles “Chuck” Wallace Samford, CE 47, MS CE 79, of Duval, Fla., on July 17. His undergraduate career at Tech was interrupted by his service in the U.S. Army in World War II. From 1979-1988, he and his wife, Mary, served the Presbyterian Church (USA) in Malawi, Africa. Survivors include his son Charles M. Samford, CE 78, and grandson Timothy Samford, ME 07.

Edwin Houston Smith

Edwin Houston Smith, EE 47, of Atlanta, on Aug. 8. His undergraduate studies at
In Memoriam

If he had accomplished nothing else in his professional life, Ray Christie Anderson, IE 56, would be remembered upon his Aug. 8 passing as the founder and chairman of a pioneering, flourishing carpet company. Interface, founded in 1973 on the heels of Anderson's 14 years in the industry at Callaway Mills and Deering Milliken, became the first manufacturer of free-laying tiles in the United States. Today, it remains the largest maker of modular carpet in the world.

But it was Anderson's growing concerns with how Interface's carpet was produced and the whole industry's impact on the environment that became his ultimate focus in life, and for which he will be most praisingly remembered.

In 1994, he began to steer Interface in a radical direction, demanding an audit of the company's environmental footprint and then methodically trimming out wasteful manufacturing and spending habits wherever they were found. Years before the idea of "going green" entered mainstream consciousness, he was pushing the biggest player in a radically wasteful industry towards a closed-loop, no-impact system—while keeping shareholders happy, to boot.

"From my experience, it's a false choice between the economy and ecology. We can have both — and we have to have both," Anderson told Time magazine in 2007, the same year they named him a "hero of the environment.

He served on the President's Council on Sustainable Development under President Clinton and authored three books on sustainability in business. In honor of his work to make the world safer and greener for current and future generations, he was awarded an Honorary Doctorate by Tech on Aug. 5, three days before his death.

Ray Anderson, Green Entrepreneur

Tech were interrupted by World War II, in which he served as a First Lieutenant in the U.S. Army Signal Corps. Survivors include his son Edwin Houston Smith, Jr., IE 71, and granddaughter Ashley Warlick, HTS 05. In lieu of flowers, donations can be made to the Georgia Tech Living History Program.

Julius William Wallis, IM 48, of Atlanta, on Sept. 8. He served in the U.S. Army Air Force as a navigator on a B-24. He later retired from the Atlanta Gas Light Company as a measurement engineer.

1950s

Thomas Wesley “Wes” Bailey, IE 59, of Rocky Mount, N.C., on Aug. 1. He is survived by, among others, his son Mitchell Bailey, AE 87. He retired from Barcalounger as vice president of manufacturing.

Francis “Frank” Ignatius Barry, IM 50, of Savannah, Ga., on Aug. 13. He served in the U.S. Army during World War II and spent 15 months in POW camps until he was liberated by U.S. forces. He retired from the Union Camp Corporation as credit union manager after 35 years and later taught economics at Armstrong State College.

Robert Louis Bates, Jr., CE 59, MS SanE 67, of Jacksonville, Fla., on June 29. He formed Robert Bates & Associates and worked as an engineer for 43 years. He is survived by, among others, his son Matthew “Bo” Bates, ChE 84.

Richard E. Black, Sr., CE 52, of Cleveland, Ga., on Aug. 14. He served in the U.S. Army Air Force during World War II. He worked in the construction industry as an engineer and general contractor.

William Charles Boswell, Jr., CE 58, of Macon, Ga., on July 18. At Tech, he was a member of Phi Delta Theta fraternity. He served as an officer in the U.S. Army Corps of Engineers. Survivors include his son William Charles Boswell III, IE 92, and daughter-in-law, Shannon Roark Boswell, CE 94.

Charles Hunt Brown, Jr., IE 50, MS IE 51, of Dunwoody, Ga., on July 7. He played football for Bobby Dodd while at Tech, and then served in the U.S. Army during the Korean War. He went on to serve as an umpire for SEC football games and worked as a manufacturer’s representative in commercial lighting.

William S. Bowers, Cls 52, of Las Vegas, Nev., on Aug. 5. He twice served in the U.S. Army. He retired after 33 years at IBM.

Charles F. Buckley, ME 50, of Duxbury, Mass., on July 4. He served in the U.S. Army during World War II. He worked as an engineer for the Stone and Webster Company.

Harris Burns, Jr., CE 54, MS ChE 57, PhD Chem 64, of Waynesville, N.C., on Aug. 30. He served in the U.S. Army Chemical Corps. Mr. Burns also taught at the university level.
for many years and served as an inaugural member of the faculty of Mercer University’s School of Engineering.

John Youmans Carter, Jr., Cls 50, of Atlanta, on July 6. Before attending Tech, he served in the U.S. Army during World War II. He owned the business Wallcovering World.

James Robert Chalker, ME 55, of Hoover, Ala., on June 28. During his time at Tech, he was a member of the Kappa Sigma fraternity and the Georgia Tech Yellow Jackets Band. After college, he served in the U.S. Navy and worked for the Alabama Power Company.

Joseph “Joe” L. Chambers, IM 60, of Kennesaw, Ga., on Aug. 12. He worked as a prosecuting attorney in various counties from 1973 to his retirement 2005 and was an avid Yellow Jackets fan.

Marvin F. Coffee, IE 59, of Powder Springs, Ga., on July 23. He served as a United Methodist Minister in North Georgia for 25 years after a career at Southern Bell.

Robert Drew “Bob” Conger, Jr., Arch 52, of Jackson, Tenn., on Sept. 20. He served in the U.S. Army during the occupation of Japan. He was a partner in Conger-Parker Lumber Company and Conger-Parker Ready-Mix Concrete Company, director of the Tennesse Building Materials Dealers Association and, later in life, a travel agent. He was president of the United States Jaycees in 1961, served on the board of directors for Habitat for Humanity and served as a delegate to the National Democratic Convention, among many other civic involvements.

John Russell Davis, IE 56, of Greenville, S.C., on Aug. 23. He was a member of Alpha Tau Omega while at Tech. He retired as district manager of the Square D Company.

James Raymond Detrio, ChE 51, of Ogden, Utah, on Aug. 27. He served in the U.S. Navy during World War II and in the Marine Corps during the Korean War. He went on to work for the U.S. Rubber Company in New York City and Mexico City.

Marvin A. Feinman, IM 58, of Brookline, Mass., in June. He was the longest-serving member of the Brookline Town Council, with 30 years as the area’s head constable. He worked for Western Electric and Boeing.

Sloan Reid “Sandy” Gill, IM 52, of Agoura Hills, Calif., on Aug. 22. He enlisted in the U.S. Air Force in 1952 and retired in 1989 as Major General. He was nominated by President Ronald Regan in 1982 as Chief of the Air Force Reserve and Commander of the Air Force Reserve Command.

James Franklin Gilliland, Cls 55, of Ellenton, Fla., on July 1. He worked in cost estimation and engineering on many highway infrastructure projects, including all major interstate highways, throughout Florida.

Ralph S. Healey, EE 50, of Atlanta, on Sept. 16. He served in the U.S. Army during World War II as a paratrooper and received a Purple Heart. He founded Ralph Healey and Associates Control Instruments.

William Callaway Henry, IE 52 of Peachtree City, Ga., on July 9. Before attending Tech, he served in the U.S. Army and worked on the reconstruction of Japan after World War II.

Lee Ernest Kitchens, Jr., EE 56, of Orange, Fla., on July 8. He served in the U.S. Army during the Korean War. He was an electronics engineer for RCA.

David N. Keyser, CE 54, of Cincinnati, Ohio, on Dec. 26, 2010.

Cecil Morefield Lemon, IE 50, of Port Saint Lucie, Fla., in August. He served in the U.S. Navy during World War II. He worked in sales and management in the construction industry.

Harlow E. Lichtwardt, IE 54, of Fayetteville, Ga., on July 17. His time at Tech was interrupted by service in the U.S. Army in World War II. Mr. Lichtwardt worked in design, development and marketing. In lieu of flowers, donations may be made to the Georgia Tech Alumni Association.

Clyde Courtney Lunsford, Jr., Text 53, of Effingham, Ga., on July 27. He served in the U.S. Navy in the Korean War and later spent his career as a textile engineer with Southern Mills.

Jasper “Moke” Martin, ME 51, of Hixson, Tenn., on July 15. He served in the U.S. Navy during World War II and the Korean War and had a 35-year career with DuPont.


William Wesley Mills, Jr., IE 58, of York, Va., on July 13. He served in the Army National Guard, achieving the rank of Major. He retired from Newport News Shipbuilding after 32 years as an engineer.

Olen Eben Morgan, SanE 59, of Charlotte, N.C., on July 3. He served in the U.S. Air Force during the Korean War and as a Russian language translator. He retired as the owner of Pool Builders Supply.

Carl Samuel Myers, Jr., AE 55, of Greenville, S.C., on Sept. 6. He served in the U.S. Air Force and worked as a structural engineer for Jacobs.

Clifton H. Philpot, Jr., EE 52, of Lawrenceburg, Tenn., on July 24. He owned the Philpot Meter Lab.

Lewis Adolphus Rumph, ME 58, of Effingham, Ga., on May 10.

Harvey Gene Strong, Arch 50, M Arch 54, of Irononton, Mo., on Aug. 15. At Tech, he was a member of the Tau Beta Pi, Phi Kappa Phi and Architectural Society honorary societies. After college, he served as a Commissioned Officer in the U.S. Army Corps of Engineers.
In Memoriam

Michael “Mike” W. Tierney, Cls 57, of Montclair, Va., on July 24. He served in the Marine Corps and retired in 1985 as Lieutenant Colonel. While at Tech, he and friends formed a popular singing group, The Techniques, known for their tight harmonies.

Charles Rupert Turner, ChE 56, of Houston, on Aug. 29. He retired from Shell Oil Company as manager of government relations in 1994. He was preceded in death by his brother, Raymond Edmund Turner, IE 59.

James F. White, III, IM 58, of Atlanta, on June 1. He served as a Naval Aviator during the Cuban Missile Crisis and worked as a business appraiser with Houlihan Valuation Advisors of the Southeast.

Durward “Will” Wilson, IE 50, of Tarrent, Texas, on Aug. 15. He served in the U.S. Army Air Corps during World War II. In 1985, he retired as CEO and chairman of the board of Texas Steel Co.

Joe P. Woodbery, Phys 59, of Quincy, Fla., on July 10. He was a certified public accountant.

1960s

Richard Hall Austin, MS InfoSci 67, of Irvington, Va., on Sept. 9. He worked for the School of Information Science at Tech and retired from the U.S. Army Foreign Science and Technology Center as chief of the Technical Information Branch in 1985. He was a member of the U.S. Naval Institute and the United States Coast Guard Auxiliary.

Ted L. Biddy, CE 63, of Tallahassee, Fla., on Aug. 25. He served for three years in the U.S. Army and, during his senior year at Tech, taught surveying.

Oscar Virgil “Bud” Bryan, Jr., IE 68, of Marietta, Ga., on July 20. He served in the Air Force for 26 years as an engineer and retired as a Colonel. At Tech, he was a member of Chi Psi fraternity.

Gary Floyd Evans, Cls 69, of Macon, Ga., on Sept. 2. He was a professional photographer and engineer.

Phil McKnight, professor and chair of the School of Modern Languages in the Ivan Allen College of Liberal Arts, died unexpectedly during the Labor Day holiday. He was 69.

Joining Georgia Tech as chair in August 2001, McKnight transformed the Institute’s 107-year-old modern languages curricula into one of the nation’s premier programs. Today, 21 percent of Tech students are enrolled in applied language and intercultural studies, compared to an 8 percent national average.

McKnight was a forceful advocate for modern language studies framed in the many contexts in which other languages are spoken, and he emphasized the critical competitive edge they provide to 21st century students entering the global workforce. He expanded the school’s language curricula from six to nine languages, including Arabic and Farsi. He oversaw the growth of the joint major in International Affairs and Modern Languages and helped established both the joint degree in Global Economics and Modern Languages and a bachelor’s degree in Applied Languages and International Studies.

The connections McKnight forged throughout the College and Institute resulted in the creation of key programs. He fostered continued growth of the school’s signature Languages for Business and Technology faculty-led summer study abroad programs and formed partnerships with Tech’s ROTC programs, supporting the military’s emphasis on foreign language competency.

McKnight’s research interests included East German writers, contemporary literary representations of history, late 18th century literature and applied language learning in the context of the global economy.

Thomas Leftridge Gibson, Jr., Cls 61, of Jarrettsville, Md., on Jan. 24.

James House, Phys 69, MS AMath 03, of Woodstock, Ga., on July 13. In lieu of flowers, donations may be made to the Georgia Tech Foundation’s Scholarship Fund.

Howard S. Jackson, ME 63, of Alvarado, Texas, on May 24. He retired from Bell Helicopter after a career as a mechanical engineer.

Arthur Luedtke, Jr., ISyE 65, MS ISyE 68, of DeFuniak Springs, Fla., on July 7. After graduation, he served as First Lieutenant in the U.S. Army and worked for Monsanto as an industrial engineer.

Edward Grady Rodgers, ISyE 59, MS ISye 66, of Pensacola, Fla., on Sept. 19. He worked for 27 years as a professor of computer science at the University of West Florida, and he previously worked as a manager and consultant.

Modern Languages Chair Phil McKnight

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in systems or operations research for companies like IBM and General Tire & Rubber Co. Among others, he is survived by his daughter Julie Rodgers, IE 87. In lieu of flowers, memorial donations may be made to the Georgia Tech Foundation.

**Hal Davis Saunders**, IM 60, of Greer, S.C., on July 25. He worked as a customer service agent for Eastern Air Lines.

**George Mauldin Scott, Jr.**, BC 66, of Charlotte, N.C., on Aug. 11. After graduating he served in the Air National Guard and built custom homes. Later, Mr. Scott opened Wendy’s restaurant franchises throughout the Southeast and worked as a contractor and real estate broker.

**James L. Ward**, IE 65, of Copperhill, Tenn., on Aug. 27.

**1970s**

**Carl Bryce Arvidson**, IE 77, of Simpsonville, S.C., on Aug. 6. He worked for the Fluor Corporation.

**Mark Warland Bargeron**, MS ICS 72, of San Antonio, Texas, on Aug. 11. He served in the U.S. Marine Corps during the Vietnam War.

**Bob Bukovsky**, ChE 76, ICS 87, of Signal Mountain, Tenn., on July 23. He worked at Synterprise and taught chemical engineering technology at Chattanooga State College.

**William “Bill” Wayne Burnett**, Cls 73, of Acworth, Ga., on July 31. He worked at Wilkinson Construction Company.

**Harold C. Clifford**, Phys 72, of Greenback, Tenn., on Jan. 17. He worked in product and software development and was senior engineering manager at PSC/Datalogic. Mr. Clifford held many patents.

**Ronald Burett Fost**, MS ESM 70, PhD ESM 74, of Fernandina Beach, Fla., on Aug. 3. He worked for Lockheed, Teledyne Brown, General Electric and Wright Patterson Air Force Base before retiring and serving as a greeter at the Amelia Island Museum of History.

**Richard Kahler**, IE 70, of Largo, Fla., on Aug. 26. In the 1980s, he served as vice mayor of Indian Rocks Beach, Fla.

**Clarence Steven Matthews**, MS CE 73, of St. Stephen, S.C., on Aug. 15. He was an employee of the U.S. Army Corps of Engineers for 10 years and worked for the city of Charleston, S.C., for another decade before founding his own business, Alchris Engineers.

**William David Suttles**, BehMgt 72, of Marietta, Ga., on July 16. He enjoyed a long career in commercial banking.

**Steven M. Werden**, Phys 77, of Bridgewater, N.J., on Sept. 3. He held many patents and spent his career at AT&T Bell Labs, Lucent Technologies and Philips Electronics. He retired from Verizon Wireless as director of device evolution.

**1980s**

**Casilo D. Hughes, Jr.**, EE 85, of Orlando, Fla., on Aug. 11.

**Martha Ann Busby Reimann**, M CP 88, of Decatur, Ga., on July 17. She was the community development coordinator with the Georgia Main Street Program.

**Thomas Steven “Steve” Sheffield**, IM 81, of Dacula, Ga., on Aug. 18. He worked in the financial management field and most recently served as a practice manager for Athens Vascular Specialists.


**1990s**

**Mark A. Jardina**, Mgt 92, of Atlanta, on Sept. 15. He served as vice mayor of Indian Rocks Beach, Fla.

**Michael John Warnock**, Cls 97, of Nashville, Tenn., on Aug. 27. He was an avid outdoorsman and worked for Cornerstone Technical Group as an applications engineer.

**Andrew J. Weiner**, Cls 94 of Henderson, Nev., on July 29. He was the principal of White Spider Technical Solutions.

**2000s**

**William Scott King**, ME 02, of Athens, Ga., on July 14. In 2006, he received the U.S. Green Building Council’s designation as a LEED Accredited Professional for his successful implementation of LEED green building rating system within Emory University’s Few and Evans residence halls.

**Christopher “Critter” Remillard**, CE 09, of Dacula, Ga., on Aug. 2. He worked as an engineer at RTS Associates.

**Friends**

**Donald Wayne Forester**, of Springfield, Va., on Aug. 29. He formerly served as assistant professor of physics at Tech.

**John F.R. Kuck, Jr.**, of Atlanta, on Aug. 4. Beginning in 1988, he served as visiting professor at Tech for five years.

**John Lauren Lundberg**, of Alpharetta, Ga., on Sept. 2. He served in the U.S. Army during World War II. He served as Tech’s Callaway Professor of Textile Engineering and retired as professor emeritus in 1991. He is survived by, among others, son Karl Lundberg, CE 84, and granddaughter Lisa Thornberry, a chemical engineering student.

**Judith Priddy Orr**, of San Diego, Calif., on Aug. 28. She was the first Dean of Women at Georgia Tech.

**Jane J. Richardson**, of West Palm Beach, Fla., on July 28. She is survived by, among others, her husband, Donald Richardson, AE 51. In 1951, she received one of the first honorary degrees awarded by Tech for Mistress of Penance in Husband Engineering.

**Robert Snyder**, of Atlanta, on Sept. 1. He was professor and co-chair of Tech’s School of Materials Science and Engineering. In lieu of flowers, the family requests donations in his name to the Georgia Tech Foundation.
It was half an hour before the start of the 2011 Yellow Jackets football season, and a steady crowd filed into gate nine on Bobby Dodd Stadium's east side, ready to watch Tech take on Western Carolina.

A gold Jaguar pulled up along Techwood Drive, Yellow Jackets pennants flying from the rear windows. Out stepped two women, sisters Alae Risse Leitch and Jo Atchison, on their way to the game.

Leitch, who celebrated her 98th birthday in October, was continuing a tradition that stretches back to the early 1920s, when she and her parents would travel by train from Toccoa, Ga., to watch her uncle, the two-time All-American Tech fullback David “Red” Barron.

“We just love it. A habit formed,” Leitch said.

Over the ensuing nine decades, Leitch would be in the stands for many of the greatest moments in Tech's legendary gridiron history. She watched three of the school's four national championship teams and traveled to the 1991 Citrus Bowl for Tech's win over Nebraska. She saw Tech's famous 7-3 win over Alabama during the 1952 title season, the 7-6 upset of the Crimson Tide in 1962 and the 51-48 overtime win against Georgia in 1999.

She has seen Grant Field grow into Bobby Dodd Stadium, and she has outlasted 11 head coaches. Now in her 10th decade as a Tech fan, Leitch has only missed a couple of home games in that stretch.

“Oh, yeah. I missed one to have a baby,” Leitch said. “A daughter. She’s 64 now.”

She also missed a game when her father was seriously ill.

For years, Leitch, an Agnes Scott graduate, would go to games with her husband, James, Mgt 34. But since he died in 1996, Leitch has been joined in the stands by her sister, Jo Atchison, who is 84. The Jaguar is Atchison's; she picked a gold one out of affinity for the Yellow Jackets.

“I've had it four years,” she said. “I'm loyal to Tech, but there's a big parking lot where I live. Those Georgia Tech flags help me see it.”

As they walked toward the stadium, Leitch and Atchison showed off their Tech gear, which covered them head to toe. They both wore golden Yellow Jackets earrings and pendants. Leitch leaned on a black cane neatly covered with Georgia Tech stickers.

A Tech employee spotted the women and asked if they needed anything.

“We've been coming so long, they look after us,” Leitch said.

Their lengthy history has given the two sisters a unique perspective on the team. When asked about their favorite players, they reel off a list that includes Tech legends like George Brodnax and Leon Hardeman as well as contemporary stars like Joe Hamilton and Joshua Nesbitt.

One of Leitch's favorite memories was a Thanksgiving Day game when Barron led the Jackets past Auburn. At halftime, Auburn gave Barron a silver set, because the star player was getting married that night. After the game, Leitch went to the Tabernacle for the wedding and remembers Tech fans celebrating in the streets outside.

Atchison recalled a 1940s victory over Notre Dame as her favorite.

"After the game, somebody on the street was giving out $100 bills,” she said.

“But we didn't get one,” Leitch added.

Over the years, the sisters have seen numerous relatives play for Tech. They recalled one famous play when one relative scored a touchdown only to have it called back on a penalty committed by another family member.

Asked what their favorite part of the gameday experience is, Leitch reacted as if the answer is self-evident: “I like seeing them play.”

Their hopes for the team are similarly simple: “For them to win,” Atchison said.

On this evening, Leitch was looking forward to her 98th birthday. At past birthday celebrations, the Ramblin' Wreck and Buzz have made appearances. Asked about her next birthday, Leitch glanced up at the stadium.

“If there is one, I'll be here,” she said.

The two women then headed in through gate nine, toward their seats in section 124. The game was about to start.
Alae Risse Leitch, right, has been attending Tech football games since the 1920s. Her kid sister, Jo Atchison, left, has joined her for the past couple of decades.
2011-2012
GEORGIA TECH BASKETBALL

Women’s games will be played at The Arena at Gwinnett Center. Men’s games will be played at Gwinnett and Philips Arena.

Women’s Home Games:
11/11 Alabama St.
11/13 Old Dominion
11/22 Kennesaw St.
11/30 Nebraska
12/29 North Carolina A&T
1/09 Miami
1/12 Wake Forest
1/18 Duke
1/25 Virginia
2/02 NC State
2/06 Maryland
2/19 Boston College
2/26 Clemson

*For more information on game times visit ramblinwreck.com

Men’s Home Games:
11/11 Florida A&M
11/14 Delaware St.
11/23 Siena
11/29 Northwestern
12/19 Alabama A&M
12/22 Mercer
1/03 Alabama
1/07 Duke
1/19 Virginia
1/24 Miami
2/04 Boston College
2/09 NC State
2/21 Clemson
2/25 Maryland
3/03 Wake Forest

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Radakovich Weighs in on ACC Expansion

By Van Jensen

In September, the Atlantic Coast Conference accepted applications from the Pittsburgh and Syracuse to join the ACC. With the additions, the conference will include 14 teams and stretch across the entire East Coast. After the announcement, Tech athletic director Dan Radakovich spoke at a press conference about the expansion.

What was the timeline of the addition?

It’s been an ongoing process for a year and a half. Over the last three to five weeks they’ve really looked at the landscape of college athletics and said that it’s a good time to ramp up. Our presidents who met for their fall meeting made it a priority on their agenda to approve the applications of those two schools over the weekend. We’re excited about having the Panthers and Orange in the Atlantic Coast Conference, whenever that happens to come to fruition.

Will this affect planned games against Syracuse in 2015 and 2016?

Even if the Big East decides to keep them in the conference for the mandated 27 months, the ’15 and ’16 seasons fall outside of that window. It would seem prudent for us to look at another opportunity for games in 2015 and 2016.

Were you concerned the ACC would split up?

There was always a lot of solidarity within the conference. Maybe not out in the media, but the conference had a lot of solidarity. That’s why the increase of the exit fee, while one person might look at that as a set of golden handcuffs, it really isn’t. It was something that was driven internally through the conference offices. We felt as a conference that we were always together and wanted to make sure that the main focus was to make the conference better.

Are there plans for division realignment?

None of that has come in to play. The ACC athletic directors will have their normal fall meeting this October, and I’m sure we’ll just touch on that subject at that point in time. The notion of when the teams come in is still rather iffy. I’m sure a lot of work will begin to happen, but no resolution is imminent on that.

What is the potential for even more teams to join the ACC?

I would have to agree with what commissioner [John] Swofford said, that we would not be averse to looking at that. This landscape continues to evolve, and I think that the main goal is to continue to make the ACC a viable national player for years to come, and if those opportunities present themselves, the process that we have in place will allow us to take advantage of that.

What’s your opinion on playing nine in-conference football games per season?

We talked about that the past 12 to 18 months and I think people were split down the middle. I happen to think in our circumstance that playing nine games would in some ways be very positive. … We think it would be a positive for our fan base. Over time we have seen that ACC games for the most part have been very good draws for us as opposed to some out-of-conference games. Not in every circumstance, but for the most part games that matter toward playing for a championship get the fan base very excited.

Will the additional travel be difficult for student-athletes?

Years ago travel from one part of the old Big Eight conference was pretty treacherous. We weren’t making that argument then. I think now as you look at the ways we’re going to move our Olympic sports student-athletes in particular, it is going to be a challenge. But I think there are many opportunities through creative scheduling, travel partners, sending academic personnel on the trips and new innovations on how class material is received by our students. There are a lot of different ways that students today get information from their class than there were 10 years ago. All of those things have to work in concert to make sure that the life-sport balance of our student-athletes is taken into consideration and kept very much in the forefront.

What do you think drew Pittsburgh and Syracuse to the ACC?

I don’t think that the mainstream media picked up on how cohesive the conference was and is. There’s a lot of understanding internally of how positive the conference is to their student-athlete experience. I think we share common goals and understand that student-athletes are important, that the academic missions of the institutions are well aligned. I think that says a lot about how our presidents and faculty reps do their business within the conference. It’s a league of like schools and like-minded individuals. I think that’s very important as we move through this period of conference realignment. There’s also one other very important principle within the conference in that we share revenue, and that’s been a guiding principle within the conference for a long time.
Taylor Claims Relay World Title

Angelo Taylor, Cls 00, ran the third leg for the gold medal-winning American 4-by-400 meter relay team at the IAAF World Championships in September.

Taylor, a three-time Olympic gold medal winner and an All-American while at Georgia Tech, helped his team to finish in 2:59.31 at the event in Daegu, South Korea.

The margin of victory was only half a second ahead of the second-place team from South Africa.

Taylor also came in seventh in the 400-meter hurdles. He finished first in that event at the U.S. National Championship earlier this year.

Teixeira, Molder Headline Hall Class

Two former NCAA players of the year, golfer Bryce Molder and baseball star Mark Teixeira, were among five Yellow Jackets named to the 2011 class of the Georgia Tech Sports Hall of Fame.

Joining them are ACC tennis player of the year Benjamin Cassaigne, the all-time leading football receiver Harvey Middleton and two-time All-ACC punter Rodney Williams. The group will be inducted in a ceremony on Nov. 9.

“We are excited to welcome this 2011 class into the Georgia Tech Sports Hall of Fame,” said Tech athletic director Dan Radakovich.

“Bryce Molder and Mark Teixeira are two of the greatest student-athletes in the history of the Institute and continue to represent Georgia Tech extremely well on the professional level today. Harvey Middleton and Rodney Williams were key performers who helped revitalize our football program in the latter part of the 1990s, and Benjamin Cassaigne served a similar role for our men’s tennis program. We’re proud that they will become members of our Hall of Fame.”

Molder, Mgt 01, played on Yellow Jackets golf teams that won two ACC titles, were runner-ups at the NCAA Championship in 1998 and 2000 and won 14 tournaments in four years.

Teixeira, Cls 02, helped Tech win 129 games between 1999 and 2001, including a 2000 season in which the Jackets won 50 games, captured the ACC Championship and hosted their first NCAA Super Regional.

Middleton, Cls 97, and Williams, Cls 98, played a big role in
beginning the streak of 14 consecutive bowl appearances that the Tech football program boasts today. They helped the Yellow Jackets go 7-5 and win the Carquest Bowl in 1997, when Middleton was a senior. And the next year Williams finished his career helping the Jackets post a 10-2 mark, win a share of the ACC title and defeat Notre Dame in the Gator Bowl.

Cassaigne, IntA 99, a three-time All-ACC choice who won the conference singles championship as a senior, was part of a strong Georgia Tech men’s tennis team in the late 1990s. He led the Yellow Jackets to a runner-up finish in the 1999 ACC Championship.

Tweet Leads Anderson to Coaching Gig

Jay Doobrow had grown up a fan of Georgia Tech, the alma mater of his father, Joel, Mgt 64.

Particularly, Doobrow was a fan of Tech basketball. And so when Doobrow learned through Twitter that former Yellow Jackets star point guard Kenny Anderson was looking for a coaching job, Doobrow sent a tweet.

There was an open job at David Posnack Jewish Day School in Davie, Fla., tweeted Doobrow, a parent of a Posnack student. Though initially skeptical, Anderson inquired about the job and ultimately decided to take the position.

Anderson, who racked up more than 10,000 points and 5,000 assists over 14 seasons in the NBA, was introduced this fall during a pep rally on campus.

Anderson has experienced some highly publicized financial struggles, but he has reestablished himself as a family man and basketball trainer. He recently completed a degree in organizational leadership at the Institute for Professional Studies.

Basketball Teams Relocate for Season

With the Hank McCamish Pavilion under construction, the Tech basketball teams will play this season away from home. The women’s team will play at The Arena at Gwinnett Center, while the men will play at The Arena and at Philips Arena.

The women open play Nov. 11 against Alabama State, and ACC play opens Jan. 2 against North Carolina State. The men open play Nov. 11 against Florida A&M and ACC play Jan. 7 against Duke.
Tech 100 Business Club: Alumni Making the Tech Connection
To be part of the Tech 100 Business Club, contact Holly Green at holly.green@alumni.gatech.edu or (404) 894-0765.
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In Retrospect

Civil War Site Rests Below Tech Campus

By Van Jensen

Students walking to and from class on Georgia Tech's campus might not realize that they're traversing ground that once was a Civil War battlefield.

After the fall of Vicksburg, the Union Army — under the direction of general William Sherman — set its sights on cities farther south, including Atlanta, and eventually destroyed much of the city. But before they did, Union and Confederate soldiers squared off on what now is the heart of the Tech campus.

Confederate defenses were raised across the city, including a series of defensive lines in the summer of 1864 that stretched along the southern border of campus. The approaching Union forces dug in along what is now 10th Street.

One notable site was the Ponder House, which was a perch for Confederate sharpshooters until it was destroyed by Union artillery.

The fighting lasted for four months, until Confederate general John Bell Hood called for an evacuation in September 1864. Sherman then famously ordered the city to be burned to the ground.
This map, created by Tech's Office of Facilities Design and Construction, overlays Civil War sites on top of the current campus. It shows Union lines to the north, Confederate lines to the south and sites of potential archaeological interest.
GIVING BACK:
IN TECH TRADITION

With like-minded missions, Georgia Tech and Georgia Natural Gas share their commitment to community.

Volunteerism, fundraising and community service have long been Georgia Tech traditions. In fact, Georgia Tech’s motto – “Progress and Service” – reflects the historical emphasis on service felt by the Institute and its alumni.

In one of the first fundraising projects at Georgia Tech, students raised $2,500 from the faculty and the Atlanta community to help bring John Heisman to campus.

In 1987, Tech architecture students founded the Mad Housers, an organization with a goal of building housing for the homeless.

A decade later, Team Buzz was brought to the Georgia Tech campus as a new initiative that serves as an Institute-wide community service day, bringing together students, faculty, staff and alumni to help the Atlanta community. And the tradition of philanthropy continues today.
Becoming Part of the Legacy

In 2011, Georgia Natural Gas *(GNG)* and Georgia Tech Alumni Association introduced the GNG Gives Back program to the Tech community. This program offers a way for the Alumni Association to receive a $5 contribution every month for each Tech supporter who is or becomes a GNG customer and signs up with the GNG Gives Back program.

“Georgia Natural Gas will help the Alumni Association continue a Tech tradition of community support”

Joe Irwin, President and CEO
GT Alumni Association

Georgia Natural Gas has a rich history of giving back to the communities that the company serves. The motto of GNG’s employee volunteer program is “Working Together…Serving Together”. For more than a decade, GNG has demonstrated a deep commitment to the people, nonprofit organizations, schools and communities of Georgia. In fact, GNG has contributed more than $885,000 to support Georgia education.

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