

TechTopics

Spring 2004
Georgia Tech Alumni Association

Reflecting Absence

**Michael Arad
Design Consoles
'Inconsolable Loss'
with World Trade
Center Memorial**



Preview

A Quick Read of **Spring 2004** Contents

25 Cover Story: Reflecting Absence

Michael Arad, M Arch 99, was an architect for the New York Housing Authority when his design for the World Trade Center memorial competition was selected over 5,200 other entries from 63 nations around the world. Story page 25. AP/WideWorld photo.

7 Career Snapshots

"There was a lot of enthusiasm," said Tom Davenport, IM 84, a member of the board of trustees who helped kick off the Alumni Association's Student Mentor Program.

11 From SAC to CRC

The Campus Recreation Center under construction is among the best in the nation. That was not the case in 1968 when student body president Carey Brown initiated the campaign for a Student Athletics Complex. Alumnus Marc Dash headed the campaign for the Campus Recreation Center.

14 Getting into Tech

"Alumni are the best salespeople for Georgia Tech," said Joseph P. Irwin, executive director and vice president of the Alumni Association. "One of the key roles that alumni can play is to recruit students."

17 Scientific Surprise

In the extreme isolation and cold, dry atmosphere of Antarctica, an expedition led by Georgia Tech scientists made a "mind-buster" discovery.

23 Skydiving Champs

The Georgia Tech Sport Parachute Club defeated the Air Force Academy at the national Collegiate Skydiving Championships to become the first nonmilitary school to win in almost a decade.

29 Bridging Cultures

Alumnus Entifadh Qanbar gave up a career as an engineer to return to his native Iraq. As spokesman for the Iraqi National Congress, he is watched over by a coterie of rifle-toting guards who speed him through chaotic Baghdad.

39 Tooth Wisdom

"Aaron King is a treasure. He is one of the university's greatest assets," said former head basketball coach Bobby Cremins. King has been Georgia Tech's team dentist for 39 years.

41 Great Expectations

"We have all the ingredients in place to have a good team," said head baseball coach Danny Hall. The Yellow Jackets return 23 lettermen, including nine offensive starters, from last year's ACC team.

47 Career Conference

Networking is a key feature of the 21st Annual Alumni Career Conference on April 13. Alumni are coming for the career fair and to connect with one another, said Jennifer Gillilan, Mgt 93, director of Career Services. "Networking with other alumni may be the most valuable encounter they have," she said.



page 47



Departments

Letters.....	5
190 North Avenue.....	7
Living History.....	12
From the Hill.....	17
Georgia Tech Foundation.....	21
In the Black.....	22
What's the Word.....	23
Burdell and Friends.....	25
Yellow Jackets.....	39
Real World.....	47

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Letters

The Write Stuff



True Grit, Great Food

What a thrill it was to read in the Winter 2003 TECH TOPICS more about one of the truest Tech traditions — Junior's Grill. I recall crossing North Avenue every day for a "cheese-and-spicy side."

I remember fondly the first day of business in the Tech Tower and the line of students waiting to be part of history. The day I graduated I knew that of all the things at the school that Junior's is probably the most missed.

Junior's, here's to another 50 years of excellent service.
Mason Johnson, TFE 94
Brooklyn, N.Y.

Enduring Memory

I cut out the article on Junior's Grill. Along with working out at the Barbell Club in the basement of the junior/senior dorms, eating at Junior's is one of the most enduring memo-

ries I have of Tech. When I started at Tech in 1965, I ate at the dining hall, which students sarcastically called "Ptomaine Hall." When I discovered Junior's (aka "The Spoon"), it became my main place to eat. I only remember the hole-in-the-wall on North Avenue at Techwood, not the larger place.

By the way, there is one tidbit that your article didn't mention — the proprietor, John, was also a violinist for the Atlanta Symphony.

Robert Kaufman, EE 69
Menifee, Calif.

John Chaknis, who bought Junior's in 1958 with brother-in-law Jimmy Klemis, was a violinist with the Atlanta Symphony. He was the uncle of proprietor Tom Klemis and was noted for his ever-present cigar. He would bring his violin into Junior's and serenade the customers while they ate their cheeseburgers.

George P. and Junior's

The Winter 2003 TECH TOPICS was another great one. I read it cover to cover, so to speak.

George P. Burdell was paged over the PA system in Madison Square Garden during Tech's basketball championship-winning game in the NIT Preseason Tournament.

Great story about Junior's Grill. However, when I got to Tech in 1958 and lived in Smith Hall, Junior's, Techwood Theater and the laundry were across the street on North Avenue, not Techwood Drive as given (for 1948) in the story. Had they all moved? My Junior's favorite was French toast, for a late snack.

John Siewert, IM 60
LaVerne, Calif.

You are right. The businesses were located on North Avenue.

Paying Back Dean Griffin

President's scholar Julia Trapold wrote me a note thanking me for my Roll Call contribution, which helps support Tech's scholarship program. It caused me to think back 51 years to my own experience as an industrial engineering student at Georgia Tech.

After completing my junior year, I worked as a third helper on the open hearth floor of a local steel mill making "big money" (90 cents per hour). I spent all those earnings on a car and an engagement ring (but that's another story).

When it came time to pay my tuition for my senior year, I had no money. Somehow Dean of Students George C. Griffin heard that I was planning to drop out and called me in to his office. When we met, I confirmed to Dean Griffin that I would be dropping out for at least a year to earn the money to come back. Dean Griffin told me that his experience with students dropping out was that they didn't come back. He also pointed out that I would probably lose my ROTC position, which would lead to a commission in the Air Force upon graduation.

I remember him looking me in the eye and pulling his checkbook out of his desk. "How much do you need?" he asked. I did some quick calculations and told him that I needed \$500, but protested that I couldn't accept money from him. He told me I could and I would. To put that \$500 in context, when I graduated in May and began working for DuPont, my starting salary was \$353 a month and later, in November 1953, the Air Force paid me \$400 a month, including flight pay.

Dean Griffin explained that the \$500 was a loan, and he expected me to pay it back through the Roll Call at the rate of \$50 a year. I was able to pay off the loan early, and I wrote him each time I made a payment. When I made that last payment, he asked me to see him. Dean Griffin proposed that since I had

established the habit of giving to Georgia Tech, why not continue — and I did. I believe I have 51 years of continuous giving.

In a personal note to Julia, that's how my Roll Call giving began. I am so pleased that in some small way it is helping you. You are obviously an outstanding person — thank you for choosing Georgia Tech. Now here's a proposal. When you graduate, would you continue this tradition of giving? It would be a great legacy for Dean Griffin, and perhaps you will receive a wonderful note from a Georgia Tech student that you helped.

Robert S. Brandt, IE 53
Wilmington, Del.

Maple is Genuine

Thanks for running another story featuring Terry Maple (Winter 2003 TECH TOPICS, "Planet of the Ape"). It's hard to admit any fondness for Georgia Tech profs, but Dr. Maple was and is as genuine a person as I have met.

Winter quarter 1979 (I think), he taught an 8 o'clock psychology course. I'm not a morning person (now or then), but I looked forward to that class. I hated taking notes because Dr. Maple was so interesting and charismatic. That partly explains why I made only a C in the class. But grades and learning don't always go together, do they?

I vividly remember walking to the library with Dr. Maple after class one day, and he soon had me talking about a very recent emotional wound (regarding a girl, of course). His empathy helped sustain me then, as have his helpful words many times since.

Dr. Maple's accomplishments and contributions make Tech proud. Thanks, Dr. M.
John Vassar, IM 83
Alpharetta, Ga.

Briefing

Enhancing Your Life

One of our alumni shared a *Reader's Digest* cartoon with me that pictured a bedraggled man who was obviously stranded on a small deserted island — one palm tree, a few bushes and plenty of beach and sea.

Just off the shore of the island was a man dressed in a suit rowing a boat toward the island. His comment was "Hi, I'm from your Alumni Association." I got a hearty laugh out of that.



Joe Irwin

It may seem like we can track you down, but in reality, it's up to you to stay in touch with us. We have limited resources, but we want to know where you are and what you are up to.

I've said it before — one of the hallmarks of great universities is great alumni. If you don't make the effort, it's awfully hard for us to showcase your great work professionally, personally or in your community.

We're constantly working on our database to improve its accuracy but we need your help — regularly. If you change jobs, let us know. If you move, let us know. If you get married, let us know. We want to know what you like and what you don't like.

Like any business, be it for profit or not for profit, we have to bring value to your life in order to succeed. That's one of the things that makes your Alumni Association different than many others. We are focused on what you want from Tech and how we can help you.

Our business is serving and promoting you and the Georgia Institute of Technology. That means we have to understand both sides of the equation. And we do, by and large. But we can be even more valuable to you if you'll help us. It's about networking. It's about developing an edge professionally. It's about continuing education. It's about finding people with common interests and common experiences. It's about enhancing your life.

Your life can be richer simply by staying in touch with us. You are a part of Tech's heritage. Be a part of Tech's future.

Joseph P. Irwin

Vice President and Executive Director
Georgia Tech Alumni Association



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For the Record

After reading articles about Georgia Tech, I wanted to put this on the record also. In 1942 I was one of the first women to sign up to take night classes at Georgia Tech. We were not full-time day students.

I attended the High Museum School of Art, now Atlanta College of Art, and after I graduated in 1941, I took mechanical drawing in Tech's engineering department.

There was a small article on the front page of the *Atlanta Journal* with the headline "It's Really War Boys, Girls Sign Up At Georgia Tech." I wish I still had that article.

Art jobs were very hard to get in 1941 and 1942, but as a result of taking engineering drawing at Tech, I got a job with the Chemical Warfare Procurement District in the War Department.

My beloved husband Edward "Ted" H. Shaw, ChE 43, was in the Lambda Chi Alpha fraternity as were his friends — Floyd Richards, Berdo Adams and Morris Tarleton. Georgia Tech is dear to my heart.

Mary Todd Shaw
 Charlotte, N.C.

Newton Was True Scholar

The Winter 2003 TECH TOPICS was most informative. I saw the article on the death of Seaborn Alton Newton Jr., ChE 48, MS ChE 49, who was a Rhodes Scholar.

When he was a freshman and sophomore, the AA grade (5.0) was available and he completed those years with a 5.0 GPA. During his junior and senior years at Tech, he could only receive an A grade (4.0) because Tech had discontinued the AA grade. Consequently, every time Seaborn received an A grade, it lowered his overall GPA. Upon his graduation as valedictorian, I believe his overall GPA was 4.575. This may be an academic record at Tech.

Warren H. Fox, IM 51
 Deerfield Beach, Fla.

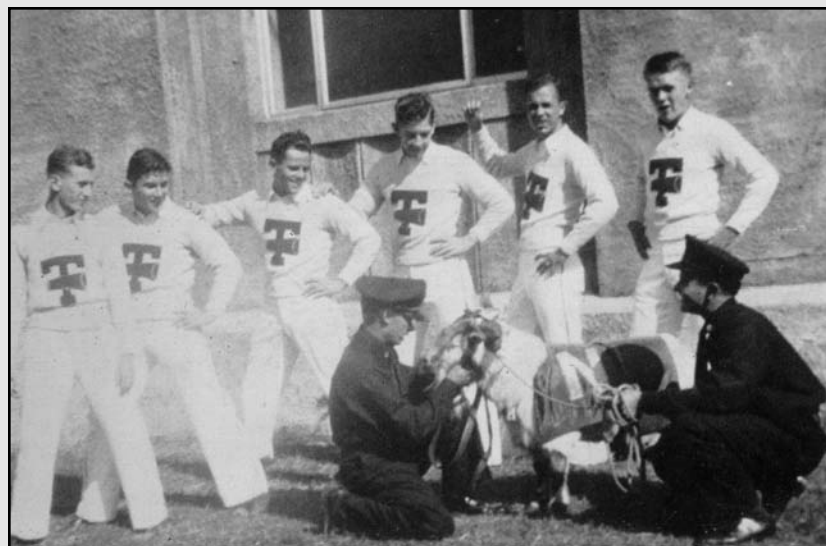
Great Question

I found the article "I'm Not Rich Yet" quite interesting and informative (TECH TOPICS, Winter 2003), but it raised a question for me. If the seller of the Expirationless American Option or XPO has to deliver on an option that never expires, where does that leave him regarding the underlying asset the option is based on?

In your example it would seem that Burdell must hang on to the WRU stock for as long as it takes Jacket to exercise, maybe years!

Tom Newbill, MS EM 60
 Hardy, Va.

Vergil Daughtery, Mgt 90, MS Econ 95, questioned the Black-Scholes option-pricing algorithm and its assumption that an expirationless European option could



Hope Joked with Students

In reference to a letter concerning Bob Hope (Winter 2003 TECH TOPICS), he did visit with the student body during halftime at the football game between Tech and Navy.

I was one of the cheerleaders and at halftime, I hopped over the 4-foot-high chain-link fence and spoke to Bob Hope, who was sitting in the front row of the president's box in the west stands. His group included Jerry Colona, but not Bing Crosby. I asked him if he would come over and say a few words to the Tech student body in the east stands. He agreed. I then turned and hopped over the fence and suddenly realized that he was much older than me and dressed in a suit. Much to my surprise, he easily jumped over the fence right behind me.

When we arrived in front of the student body, he asked me where the microphone was. I told him we had no microphone system, but he could use

my megaphone. After a moment's pause, he picked it up, pointed it in a northeast direction and hollered out a joke. Then he pointed it in a south-eastern direction and hollered the same joke. By this means he told about five jokes, which most of the students heard, and then returned to his seat with Tech's president in the west stands.

By the way, Tech beat Navy 17-15 in that game. Scores were made every way possible: touchdowns, points after, field goals and safeties. Every time points were scored, the lead changed.

The night before the game, we found out that Navy had its goat mascot hidden in the Biltmore Hotel. We found the goat and took him to our dorm room. The next morning we returned the mascot, but not before taking a picture with the goat (page 210 in the 1945 *Blueprint*). That's me on the left.

Victor Benatar, ChE 45
 Atlanta

have a last day. Daughtery became the first person in the United States to patent a financial product traded on stock exchanges or over the counter. He licensed his product, the Expirationless American Option, to NexTrade Futures Exchange, which is applying for permission to open as a futures exchange by mid-June. He responds:

Thanks for your great question. As this has had to be answered for Wall Street option traders, you find yourself in good company. Traditional options "disappear" in one of three ways: expiration, exercise or buying (selling) to close. An XPO only eliminates one method of closure — that of expiration. It is still possible to exercise as well as create offsetting positions (buying an identical XPO to close a short position, selling an identical XPO to close a long position). When a "buy to close" order meets a "sell to close" order, open interest (the number of XPO contracts outstanding) declines by one even though the options do not expire. Of course, exercise of the long position also causes open interest to decline.

In terms of hedging, or taking on an offsetting position in order to cover any potential losses, it is important to remember that options have multiple strike prices, or the price at which the parties have agreed in advance to exchange the asset.

Your Comments Welcomed

The Georgia Tech alumni publications, TECH TOPICS and the *Alumni Magazine*, welcome letters to the editor. Please include your full name, address and telephone number. Letters may be edited for clarity, space and content.

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Alumni Association News and Updates

CAROLINE JOE

Career Snapshots

Alumni mentors give students glimpse of professional life

Through a one-on-one coaching program sponsored by the Alumni Association, Georgia Tech graduates are helping prepare students for professional life.

The semester-long Student Mentor Program kicked off Jan. 12 at the Alumni/Faculty House, where 48 students were matched with 48 alumni.

"There was a lot of enthusiasm," said Thomas F. Davenport III, IM 84, a member of the Alumni board of trustees and chairman of the Alumni Volunteer Opportunities committee. "Everybody is excited about the prospects of going forward.

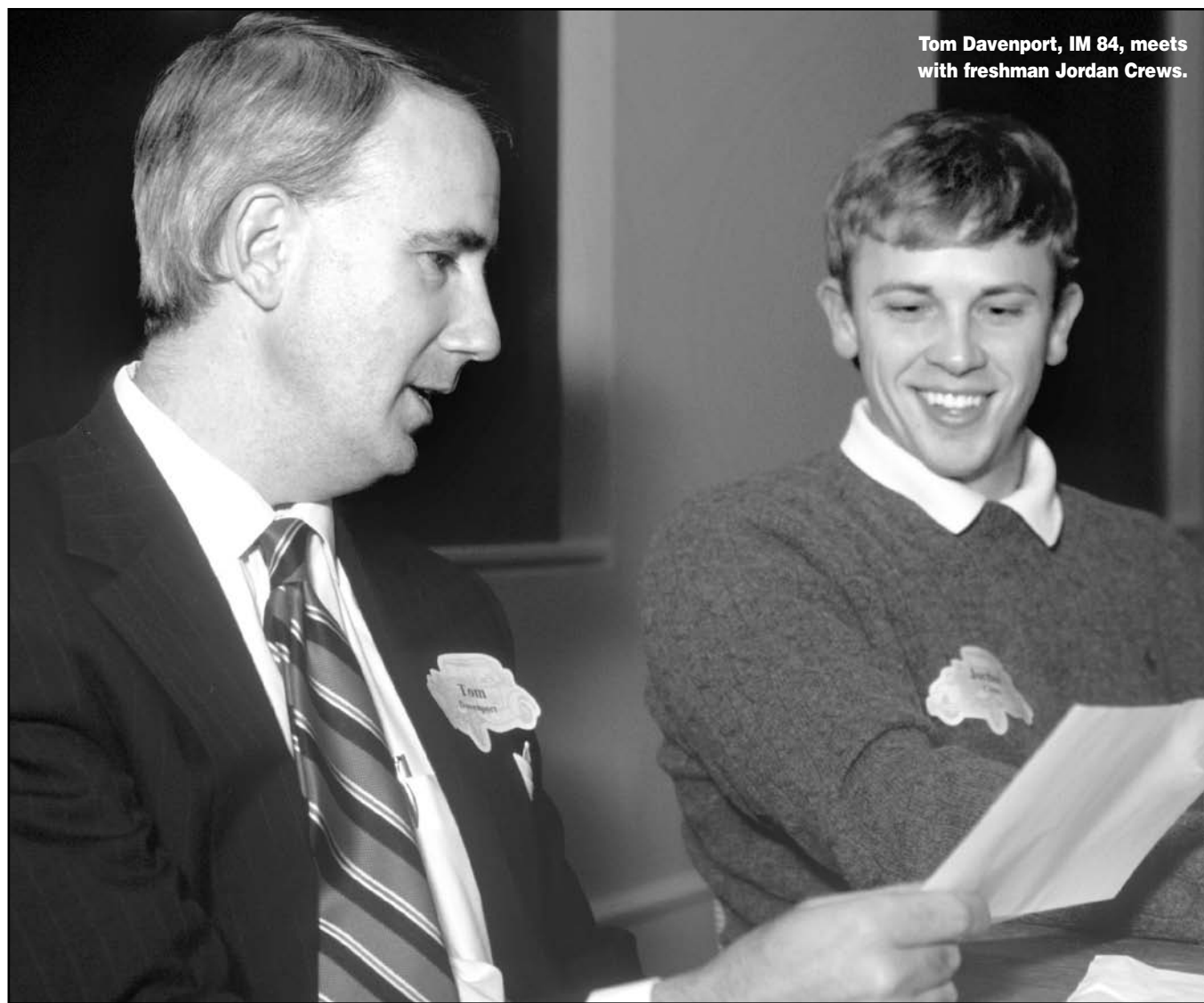
"It's about the students — it's for their benefit," Davenport said, adding that alumni mentors will share with the students their professional experiences and counsel them.

Students have been eager to have a mentoring program with alumni, said Karla Ruggiero, manager of student programs for the Alumni Association, which works with the Student Alumni Association.

Katy Jo Schroer, a senior management major, is SAA president, and Lauren Griffin, a junior, chaired the SAA mentoring committee.

Cheryl Johnson Weldon, ChE 85, is a trustee who serves on the alumni committee that worked closely with the SAA. "The SAA is very excited about this," she said.

The SAA interviewed students who wanted to work with mentors and made sure they were committed to a semester-long program, said Karl Paul,



Tom Davenport, IM 84, meets with freshman Jordan Crews.

assistant executive director for Alumni Relations, Alumni Career Services and Human Resources for the Alumni Association.

The program was tailored for students who filled out questionnaires and participated in focus groups, Davenport said.

"The students were very direct: 'We'd like to see snapshots into what our alumni now do, what careers they are in and the pros and cons of that as we evaluate what we do with

the rest of our lives professionally,'" Davenport said.

Mentors provided brief professional information about themselves and their jobs.

"The mentor put together biographical information with a set of questions — your career, what you've done, where you've been, where you've focused," Paul said. "We developed a Web site where they could do that."

Students reviewed the alumni profiles and made a list of their top five choices to work with as a mentor. Seniors got top priority and freshmen last.

"The freshmen were eager to have any sponsor, even if it wasn't in their major. The older students really wanted to hone in," Ruggiero said.

Paul added, "The matching process went extremely well. At the first meeting, it was like boom — everybody was connecting together and discussions were great."

The January meeting uniting

mentors and students also featured a presentation by Helene Lollis, president of the MindField Group, who stressed that commitment and communications were critical for success. Upcoming meetings at the Alumni/Faculty House are in February and April, but students and mentors will meet biweekly through early April.

"I am thrilled that the program is off the ground," Weldon said. "I think it is something that the mentors and students will benefit from greatly. We're off to a good start."

The alumni committee began under former trustee Julie Turner, IE 87, to develop advocates for Georgia Tech. "It was Tom Davenport's idea to focus our efforts on the student mentoring program involving alumni," Weldon said.

Jane Stoner, associate director of Clubs and the staff contact for the program, added, "This is a program that can make a difference."

While the Student Mentor Program is three months long, Paul said there are opportunities for alumni to serve in similar short-term programs.

Alumni interested in mentoring opportunities may contact Stoner at (404) 385-2216 or by e-mail at jane.stoner@alumni.gatech.edu.



Alumnus Mark Taraboulos, ME 94, mentors student Shannen Spoon.

Early Race

Pi Mile offers 'ghost run,' massages



The 32nd annual Pi Mile Road Race will hit the road a little earlier this year with a March 27 run date.

For those who want to participate but can't make it to campus on race day, the event includes the George P. Burdell Ghost Run. For \$20, "ghost runners" will receive an official Pi Mile race T-shirt for supporting the race.

"This is a great way for longtime Pi Milers who can't make the race or those who are too far away to come to campus to support the cause," said Kimberly Miller, an event manager for the Georgia Tech Alumni Association, which sponsors the race with the Student Alumni Association. Proceeds from the event go to support the Student Alumni Association.

Traditionally run in April, the 3.14-mile race was moved up to take advantage of slightly cooler weather and to accommodate other campus events and students' schedules, Miller said.

The running of the Pi Mile will be followed by a post-race celebration on the Tech Tower lawn featuring free food, drinks, mini massages by students from the Atlanta School of Massage and door prizes for the runners. Prizes will be awarded for the top male and female finishers overall, top Tech student, top faculty/staff, top alumnus/alumna and to the top male and female in seven age categories. More information and online registration is available at www.gtalumni.org/pimile. Discounted fees are available until March 19.

Trustee Nominations

Alumni Association seeks candidates for board

Nominations are being solicited for trustees to serve on the Georgia Tech Alumni Association Board of Trustees for terms beginning July 1.

Nominees must meet two conditions:

- Be an alumnus of Georgia Tech.
- A strong record of supporting Tech through a variety of activities.

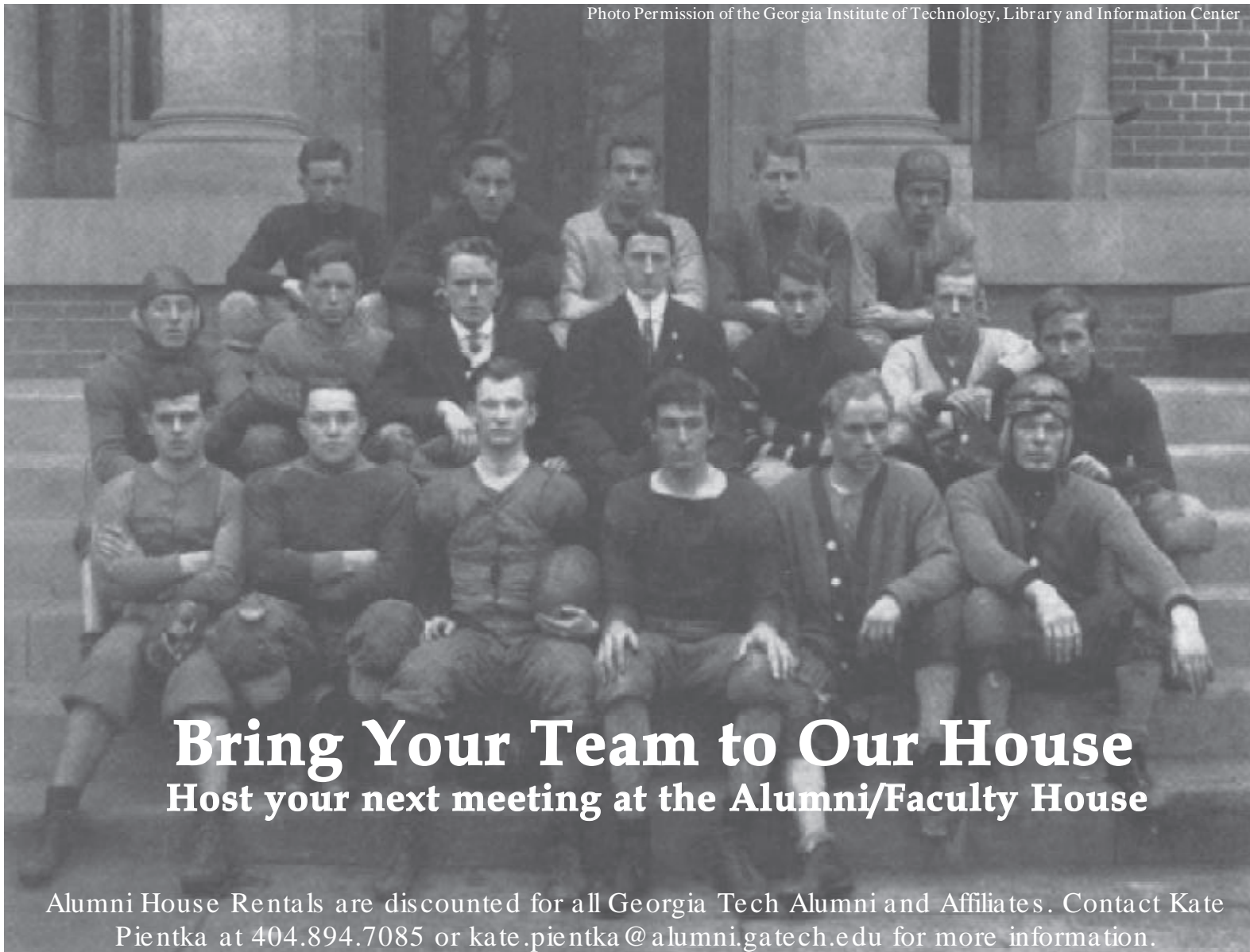
A nominating committee comprised of the current Alumni Association president and past presidents from the previous three years will convene in March to review all candidates and propose a final list of nominees. A ballot will be published in the Summer issue of TECH TOPICS. Alumni are invited to submit nominations by filling out the form below. Self-nominations are accepted. If possible, include a resume or brief biography and a photograph. *Deadline for nominations is March 8.*

Nomination Form:

Nominee _____ Class/degree _____
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 Company _____ Title _____
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Alumni Initiative

Electronic communications give cheap talk some r-e-s-p-e-c-t

Electronic communication is turning the expression “cheap talk” into sound economic advice at the Georgia Tech Alumni Association. E-mail is a fast and, in these economic times, a cheap way to get the word out to alumni.

“E-mail communications are an excellent way to communicate with alumni because it is instant and economical,” said Joseph P. Irwin, IM 80, vice president and executive director of the Alumni Association. “And e-mail communications save the Alumni Association thousands of dollars compared to traditional postal rates.”

Irwin is looking for e-mail communications to save even more. But, he said, there have been drawbacks.

“The problems are that in today’s society, e-mail addresses can quickly become out of date, and many alumni who have e-mail addresses are not in our records,” Irwin said.

Georgia Tech alumni are often on the move and change addresses frequently.

“Our Data Management department makes more than 6,000 alumni address record changes each month,” said Lawrence DiVito, director of Database Management for Alumni.

While the department utilizes many methods to ensure accuracy of addresses, including biannual comparison with the U.S. Postal Service’s National Change of Address database, the best way alumni can make sure their records are correct is to personally provide the Alumni Association with the information at <http://www.gtalumni.org/OnlineServices/bioupdate> or e-mail it to bioupdate@alumni.gatech.edu.

The Alumni Association is making a concentrated effort to obtain the preferred e-mail addresses for all Tech alumni, an essential piece of information as Alumni departments increase e-mail communication.

“We are aggressively working to increase the number of alumni e-mail addresses,” DiVito said.

The Alumni Association has more than 35,000 e-mail addresses in its database, but since Tech alumni are computer literate, DiVito estimated that might only be one-third of the alumni e-mail addresses.

While e-mail communication is immediate and inexpensive, some alumni may not provide e-mail addresses for fear of receiving junk mail.

“The Alumni Association is vigilant in protecting its database,” DiVito said.

More than 40,000 alumni and friends receive BUZZwords, the monthly Alumni electronic newsletter, and Alumni departments are expanding e-mail communication with alumni.

“We have found e-mail is an ideal way to connect with members of our Georgia Tech clubs,” said Jane Stoner, associate director of Clubs. “We can send out an advance notice of a club event and follow up with a detailed update of the club meeting. If there is a last-minute change about the meeting, updates can be sent immediately. It is fast and convenient.

“Our Georgia Tech clubs are becoming increasingly active. E-mail is an excellent way for the Alumni Association and the clubs themselves to stay in touch with the alumni and friends,” Stoner said. “We have between 20 percent and 36 percent of alumni e-mail addresses in any given club area. We would like to get to 50 percent across the board.”



E-mail is a fast and economical way to connect with club members, says Jane Stoner, the Alumni Association's associate director of Clubs.

The Alumni Association is working toward having one of the most accurate databases of any college or university.

“The Alumni Association has one of the most accurate alumni address databases in the country,” Irwin said. “More than 94 percent of our addresses on alumni are accurate, so we are able to inform and engage the vast majority of our alumni. The e-mail address is another component that will make our database efficient and effective.”



ANDREW NIESEN

Former Trustees Tour CRC

William H. Avery, ChE 65, above left, and Steve Mitchell, IE 65, enjoy the view of Atlanta's skyline from the seven-story-high Campus Recreation Center. Former board members of the Georgia Tech Alumni Association, left, visit the CRC facilities as part of the annual former trustees reunion Jan. 27. The first phase of the CRC opened last fall and features the newly enclosed Olympic Aquatic Center, weight and cardio rooms, three aerobics/martial arts rooms, six multiuse basketball courts and a suspended, four-lane jogging track. Phase II is scheduled to open next fall. Former trustees also heard presentations by Andrew J. Harris Jr., Tech's director of state relations in the Office of External Affairs, who spoke about current legislative issues, and psychology professor Anderson Smith, who presented his talk on human aging called “There Are Three Major Changes With Aging: The First is Memory, But the Other Two I Forget.” After the tour, trustees attended a reception at the Alumni/Faculty House then headed to Alexander Memorial Coliseum to watch the Tech basketball team beat the Clemson Tigers 76-69.

From SAC to CRC

Athletic, recreation facilities once among worst, now rank among nation's best

By John Dunn

It has taken nearly half a century for Georgia Tech's student athletic facility to grab national headlines.

A *New York Times* article observed that university recreation centers are important draws for students. It noted Georgia Tech's new Campus Recreation Center scheduled for completion next fall as an example.

"Students who have grown up going to health clubs, community centers or even high school gymnasiums in upscale communities have high expectations for their college recreation center," the article said, and quoted Butch Stanphil, Tech's director of campus recreation: "Today we have to be more than a gym."

Tech's new recreation center is among the best. A \$45 million complex, it will be twice the size of the original facility and include an enclosed Olympic Aquatic Center, an indoor track, state-of-the-art fitness equipment and facilities and a recreational swimming pool.

Things were a lot different in 1958, when James E. Dull, then assistant dean of students, deplored the lack of student athletic facilities in his first annual report.

A decade later, Dull, who had become dean of students, was still deploring the lack of athletic facilities for students, but it wasn't making the campus priority list.

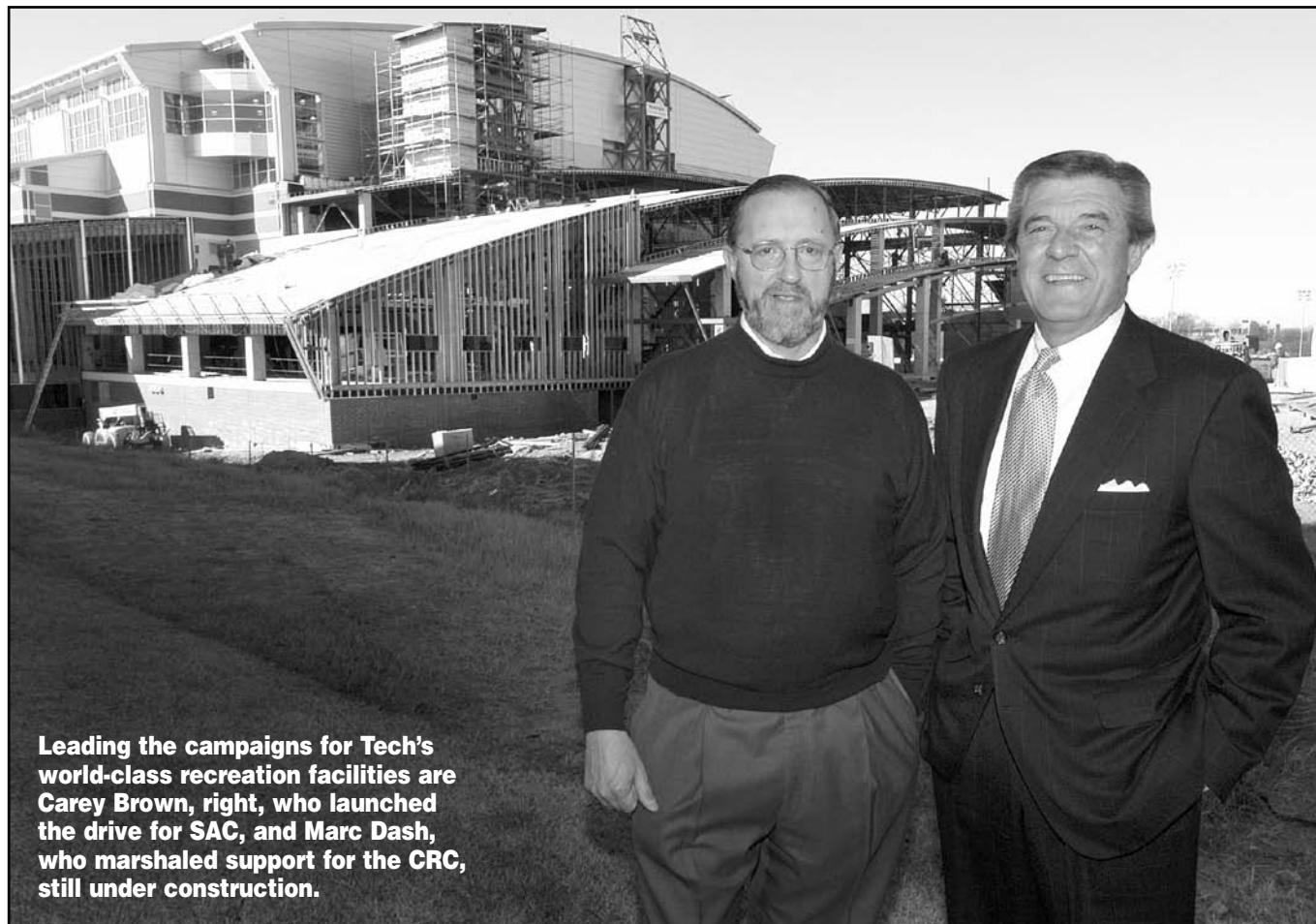
That changed in 1968, with the election of Carey H. Brown as student government president. Brown, IE 69, is now president-elect and treasurer of the Alumni Association and a partner in The Benefit Co., which specializes in executive and employee benefit planning. As student body president, he wanted to make a lasting difference on the Tech campus.

"I asked Dean Dull, 'What's your Number 1 priority?'" Brown recalled. "He said, 'We need a student athletic facility.'"

Brown saw it as an ideal project.

The facilities for students in 1968 had been built with Works Progress Administration funds in the 1930s and included a swimming pool, the old gym and the Naval armory, and were inadequate for the student population. The athletic facilities and Alexander Memorial Coliseum had limited use for non-varsity athletics.

Brown immediately began recruiting other student leaders who got behind the project, including John B. Carter Jr., who was vice president of the



Leading the campaigns for Tech's world-class recreation facilities are Carey Brown, right, who launched the drive for SAC, and Marc Dash, who marshaled support for the CRC, still under construction.

student body and is now president of the Georgia Tech Foundation, and Marc Dash, who was president of the graduate student senate. Later Dash, as a member of the Georgia Tech Foundation, would play a leading role in building the new Campus Recreation Center.

The project to build a student athletic complex became known as "SAC 70" and was started in the fall of 1968.

"We called it SAC 70 because we wanted it to be something that happened by 1970," Dull said.

Brown organized a committee to visit other universities to study their student athletic facilities and programs.

"I had no money," Brown said, but he added that all seniors at Georgia Tech had received Bank Americards.

"I'm a 'load the wagon, worry about the mule later' kind of guy. We didn't have any money in student government for anything like this, but I had a credit card," Brown said. "I still don't remember how I got reimbursed."

The credit card financed him as he led the committee on visits to 23 universities.

Brown arranged publicity events to generate support for the project, including SAC-70 "daisy stickers," which suddenly bloomed all over campus.

President Harrison, who met with Brown about the project, called SAC "the most significant student effort that it has been my pleasure to witness during my years at Georgia Tech."

Harrison placed SAC No. 3 on the building priority list in 1969. But the project did not get funding. SAC remained No. 3 on the priority list in 1970 and moved up to No. 2 in 1971.

In 1972, Joseph Mayo Pettit became

president and supported the project. "He did more to make SAC a reality than any other president," Dull said.

The Callaway Foundation agreed to provide \$2.5 million in matching money for SAC in 1972 and the Board of Regents approved \$2.5 million for the facility, Dull said. On Oct. 7, 1975, ground was finally broken for construction of the \$5.4 million SAC. Brown, who had served a tour of duty in the military in the meantime, returned to campus to participate in the ceremony along with student president Steve Fox, Chancellor George L. Simpson, Pettit and Fuller E. Callaway Jr.

"The remarkable thing about the whole process is that there was continuity from student body presidents who carried SAC on until it got funded," Brown said.

Dull said the student body presidents who continued the SAC initiative include John B. Hayes in 1970; Dan Pittard, 1971; Chris Bagby, 1972; Bruce Milligan, 1973; Greg B. Williams, 1974; Scott Rutherford, 1975; Fox, 1976; and Mitchell Abrams, 1977.

When the 1996 Summer Olympic Games came to Atlanta, swimming was held on the Georgia Tech campus and an open-air aquatics center with a pool for Olympic competition was built adjacent to SAC.

Georgia Tech President Wayne Clough supported a plan to enclose the pool afterward to be used by Tech's swim team to host Atlantic Coast Conference competitions. That concept grew into plans for an expansion of SAC that evolved into a new Campus Recreation Center.

Dash, AE 66, MS AE 68, who had led the graduate student senate during the initial SAC campaign, became a

leading proponent for the new CRC.

Dash, who retired from Goldman Sachs in 1994, moved from New York to Atlanta and became involved with Georgia Tech both as an adjunct professor and a trustee of the Georgia Tech Foundation. His son, Jeffrey, was a competitive swimmer, and Dash was naturally interested in Tech's swimming program. He was a motivating force for enclosing the aquatic center.

Dash was chairman of the Foundation budget committee when a \$45 million bond issue was approved to enclose the pool and build the CRC.

There is a connection between many of the students who led the drive for SAC and the alumni who supported the construction of the CRC, Dash said. They are the same student leaders who are now alumni leaders, Dash said.

William J. "Bill" Stanley III, Arch 72, and his wife, Ivenue Love-Stanley, Arch 77, were architects of the aquatic center in a joint venture with Smallwood, Reynolds, Stewart, Stewart & Associates. "Bill was a student leader in our group," Dash said.

"That group of students even in their adult years are continuing to be the driving force behind a lot of what was done," he said.

The CRC has a recreational pool that is named for Helen and Vernon Crawford, a professor and dean at Tech and chancellor of the University System of Georgia. "The funding for that was provided by student leaders from that era — including Carey and myself, Steve Denning, John Savage and a lot of student leaders. It is amazing."

Amazing, too, that the "have not" generation of students are the ones helping provide a world-class recreational facility for future generations. **GT**

Living History Spotlight

The Way We Were

CAROLINE JOE

Self-made Success

Gene Clary finds satisfaction in work

By Maria M. Lameiras

At 93 years old, Eugene Clary prefers the thrill of day trading on the stock market to a retirement spent traveling.

In 2000, Clary, GS 32, moved into an office in a small house he'd built on his property in Cobb County, Ga., and began experimenting with trading on the stock market, first through a broker, then on his own via the Internet.

He works every day and has a full-time assistant who helps him scan the stock market on the computer and make deals.

"I'd rather work than not," said Clary, who will be 94 in June. "I was already in it in 2000 when the bottom dropped out and we still haven't recovered fully from that, but this is a lot of fun to me. I'd rather do this than take a trip."

Clary retired from the company he founded, Clary and Associates, in 1986, but he never stopped working, consulting for the firm after retirement. "I paid them to let me stay on, \$500 a month for an office there," he said.

Clary started the manufacturers representative firm for the HVAC, industrial and institutional markets when he got out of the Army in 1947.

He started in shared office space with a friend and eventually grew the business to include a branch office in Birmingham, Ala.

Over the years, Clary also has been generous to Georgia Tech, including a gift in 1988 to replace the roof on the Tech Tower.

"We wanted to put a gold roof on there, but the president decided he wanted a copper roof tinted to look like the original roof," he said. As a compromise, the tower now sports a golden cupola at its summit.

Clary learned his trade when he started working for John A. Dodd Co. as a manufacturer's agent in 1937, selling industrial pumps and HVAC systems until he joined the Army in 1944.

"I had been in ROTC at Tech, but because of an eye problem they told me I couldn't go to the summer camp and couldn't get a commission. They said I couldn't be an officer, but they sure took me as a private," Clary said with a laugh. Once in the Army, he applied for a commission and received one, eventually working his way up to the rank of captain while with the chief engineer of the Army's office traveling the country inspecting military camps, stations and prisons.

Before working for Dodd, Clary taught math and worked as a programs supervisor for relief activities with the Works Progress Administration in Georgia.

Clary learned to take on challenges from his parents while growing up on his family's farm in Harlem, Ga. His mother, Louise Beall Clary, left home at age 15 to work at the Harlem post office. When she was 18, she married W.C. Clary, 35, a conductor on the Georgia Railroad and a planter with 1,000 acres of land. Eugene was the second of their three sons. W.C. Clary Sr. later became mayor of Harlem and served as chairman of the Columbia County Board of Education.

Louise Clary made sure her sons worked hard and pursued an education.



Gene Clary has traveled far and wide, but these days the 93-year-old prefers to stick close to his home office.

"Mother was always dead set that we were going to college, dead set," Eugene Clary said. "Those were hard times in the late 1920s and early 1930s, but we worked our way through."

Clary had engineering in mind. The Georgia Vitriified Brick and Clay Co. was located about a mile from Harlem and he figured on returning there to work.

"If you wanted to be an engineer, you went to Georgia Tech," Clary said. "I finished high school in the 11th grade and I couldn't go right to Tech because I didn't have the chemistry and physics I needed, so I went to Augusta College for a year then entered Tech as a freshman." His younger brother, Kenneth, followed him to Tech, earning a master's degree in mechanical engineering in 1952.

At Tech, Eugene Clary quickly became friends with Charles M. "Charlie" Griffin, CerE 30, who was resident business manager of the Tech dorms.

"He lived in Harris and ran the dormitories and laundries for Harris and Brown," Clary said. "He got me a job collecting the laundry and bringing it to the laundry workers, then passing it out when it was done and collecting the money. I'd also help Charlie out by collecting tickets at the gate for football games."

"I wasn't a real good student," Clary confessed, but his summers were devoted to various business ventures and adventures.

Clary had joined Alpha Tau Omega fraternity, the same fraternity older brother W.C. Jr. joined at Emory, and in the summer of 1929, the brothers took a 30-day cross-country train trip to the ATO National Convention in Los Angeles.

"We went from Harlem to Atlanta to New Orleans to the Grand Canyon then to Los Angeles," Clary said. "In Los Angeles, we met a friend from Covington, Georgia, who had his car out there, so we went to Mexico for two or three days, then back to Los Angeles. From there we went up through San Francisco, to Portland, Oregon, and to Eugene, Oregon."

The brothers traveled into Canada to Vancouver,

British Columbia, then made stops at Yellowstone National Park and in Chicago before heading back home.

The next summer, Clary and a friend were talking about their plans for the break.

"He had kinfolk who worked for a steamship company in New York, so I said, 'Let's go. I'll meet you at the YMCA in New York,'" Clary said. The steamship company put them on a ship that was sailing the next day.

"We didn't even know where the ship was going," Clary said.

The ship was headed for the western coast of Africa to deliver supplies to Cape Verde, Sierra Leone, Senegal, the Ivory Coast, the Gold Coast and then up the Congo and Niger rivers.

During the three-month journey, Clary and his friend worked shifts of four hours on duty and eight hours off for a salary of \$20 per month.

"We'd steer the ship for two hours and work on deck the other two," Clary said. "The captain would set a course and put a compass up for you to watch and you'd keep the ship on course. The captain would watch the wake of the ship and if you were wobbling too much, he'd come up and take you off the helm."

Although he'd never sailed before, Clary said he "learned fast."

"You kind of have to learn fast. There's no room for can't."

When he returned to New York in September, he had missed Tech's fall registration, so Clary stayed on the ship as a night watchman.

Clary later called his mother and told her he had taken a job on an oil tanker.

"She said, 'Oh no you're not, you're coming home.' So I went home and worked on the farm."

By then, many brick and ceramics plants were closing due to the Depression, so Clary switched from a ceramic engineering major to general science when he returned to Tech in February 1931.

"I figured I needed something with more flexibility," he said. "It's worked out well." **GT**

Getting into Tech

Alumni are the Institute's best salespeople, recruiters

By Lisa Spessard

Georgia Tech freshman Ashleigh Royalty might not be on campus today if it weren't for the alumni in her hometown of Melbourne, Fla.

The daughter of Jim Royalty, ME 80, MS ME 81, she had been around Georgia Tech all of her life but was not sure it was the right choice for her. A scholarship from the Space Coast Georgia Tech Club and a few conversations with engineering alumni changed her mind.

"I went to a club event for accepted students and enjoyed seeing the camaraderie among the Tech alumni," she said. "I was impressed with what Tech had done for them and how they had benefited from their education."

Royalty is a perfect example of the impact that Tech alumni can have on prospective students — whether the student is a graduating senior struggling to make a college decision or a high school sophomore just starting to research the possibilities.

"Alumni are the best salespeople for Georgia Tech," said Joseph P. Irwin, executive director and vice president of the Georgia Tech Alumni Association. "One of the key roles that alumni can play is to recruit students."

Each fall the Alumni Association hosts Family Weekend to give legacy students of any age the opportunity to visit campus and learn more about the admissions process.

Alumni also can help bring students from their communities to Tech through the Ramblin' Recruiter program.

Alumni can complete a volunteer application on the Alumni Association's Web site and learn more about working at a college fair, hosting a local send-off reception or serving as a club scholarship program volunteer.

"The college fair program has the most impact of any program we do each year," said Mary Esther, assistant director of Alumni Relations. "Alumni represent Tech at over 100 locations across the United States and talk with students who might not have a chance to connect with us otherwise."

"It means a lot for prospective students to see what a Tech degree has meant to people in their own communities," Esther said. "Then they can see the possibilities for themselves."

The Office of Undergraduate Admission upgraded its Web site in September to serve as an easily navigable resource for prospective students and parents complete with virtual



CAROLINE JOE

tours, student profiles and online applications for admission and financial aid.

"We have personalized the process so that students can progress deeper into the Web site as they move through the different stages of application," said Ingrid Hayes, director of Undergraduate Admission. "After students are accepted they can meet their future classmates, view message boards and make connections before they get to campus."

Hayes stressed that all components of the application are important.

"Students need to have a solid B average GPA, a strong SAT score and involvement in a variety of activities outside of the classroom," Hayes said. "While the academic GPA is the most important factor in the admissions process, the essay and involvement in extracurricular activities have been determining factors as well."

Hayes is pleased that application numbers are up for the fall 2004 freshman class, especially for out-of state students, women and African-Americans. The range of majors currently offered makes Tech more attractive to those prospective students who may be interested in fields other than engineering.

"The word is out that we have a variety of strong programs in every college," Hayes said. "Alumni have helped us communicate that message by sharing their time, talent and expertise with students across the country."

Prospective Georgia Tech students also may attend a general information session through the Office of Undergraduate Admission. Sessions are offered at 10 a.m. Monday through Friday in the Student Success Center and are followed by a general campus tour. For specialized tours, the Alumni Association's Student Ambassadors are available by appointment.

Connect with Tech is an overnight



CAROLINE JOE

Ingrid Hayes, above left, is the director of Undergraduate Admission at Tech and Mary Esther works in Alumni Relations. A club visit helped sell student Ashleigh Royalty, right, on Tech.

visitation program offered to prospective students who have at least a 3.0 GPA and 1250 SAT and want to immerse themselves in aspects of campus. There are several sessions offered throughout the year, and parents are encouraged to attend as a separate track of activities is arranged for them.

More information on the Ramblin' Recruiter program may be obtained by contacting Esther at (404) 894-0749 or mary.esther@alumni.gatech.edu.

An online application may be found at www.gtalumni.org. Follow the link under "Give Back to Tech — Volunteer Opportunities." **GT**



From the Hill

News from Campus

COURTESY OF DOUG DAVIS



Scientific Surprise

Tech researchers probe 'mind-buster' discovery in Antarctica

By Maria M. Lameiras

A scientific expedition led by investigators from Georgia Tech is "rewriting the book on atmospheric chemistry in Antarctica" after making a startling discovery at the South Pole.

"This is cutting edge atmospheric science. It establishes something we didn't have a clue about before 1998," said Professor Emeritus Doug Davis, mission scientist for a four-year, \$1.8 million Antarctic Tropospheric Chemistry Investigation. Davis and Fred Eisele, both of Georgia Tech's School of Earth and Atmospheric Sciences, are co-principals of the project.

The phenomenon Davis and his colleagues discovered in 1998 was that the Antarctic Plateau, 10,000 feet above sea level and stretching nearly 800 miles across the center of the continent, is releasing nitrogen oxides.

Davis said the extreme isolation and the cold, dry atmosphere on the Antarctic Plateau make the discovery "a mind-buster from a scientific point of view."

"We think of nitrogen oxides primarily in terms of pollution. That's because all high-temperature combustion processes involving jets, cars, trucks and most power plants are major sources of nitrogen oxides. We made the discovery that the average levels of nitrogen oxides on the Antarctic Plateau can be within factors of two or three of those found in rural areas of Georgia. The latter area is far less congested than urban areas, but it is still impacted by tractors and cars and transport of pollutants from distant cities," Davis said.

"What makes this so incredible is that the South Pole is the most isolated place in the world. There is nowhere that is more remote. When we were recently sampling from a Twin Otter aircraft over the plateau

at 4,000 feet, I could look ahead and look behind and see nothing as far as the eye could see. It epitomizes nothingness, the absence of everything but snow and ice," Davis said.

"You would first think this place would be devoid of any significant chemistry but in fact, the whole plateau is quite active in that the UV photolysis of nitrate ions in the snow and ice, along with some very unique meteorology, lead to exceptionally high levels of nitrogen oxides."

The source of the primary nitrogen that must continually get to the plateau remains a mystery, although Davis and his colleagues have now come up with some interesting hypotheses.

The 1998 study was "a real eye-opener," Davis said. "If you had asked any atmospheric chemist in 1997 what he would expect to find on the Antarctic Plateau he would have most likely answered, 'Nothing but very stable atmospheric trace gases.'"

The first of the two current expeditions to the South Pole region funded by the grant from the National Science Foundation's Office of Polar Programs began Nov. 15 and continued through Jan. 4. A second expedition is planned for 2005 or 2006.

Ten other institutions are involved in the project, including scientists from the National Center for Atmospheric Research in Colorado, the University of Colorado, the University of California, Irvine and NASA's Langley Research Center in Virginia.

In several flights over the plateau and the surrounding area, Davis and his team took readings from the atmosphere both at high altitude and at 50 to 100 feet above the surface of the plateau and the surrounding glaciers.

Davis said the readings taken in the latest expedition will help determine how widespread the phe-



Doug Davis adjusts air-sampling equipment aboard the aircraft, top photo, flying over the Antarctic Plateau.

nomenon is on the plateau as opposed to it just being a localized source near the South Pole.

During one of the airborne sampling sorties along the Trans-Antarctic mountains, Davis said researchers made "an extremely unusual observation."

"We were flying over the ice and when we came to one area of the glacier we found concentrations comparable to what we found on top of the plateau. So we established that the phenomenon does get removed from the plateau, but we found it only on half of the glacier, like a river flowing down half of the glacier," Davis said.

The next day no elevated levels of nitrogen oxides were found above the same glacier, indicating the critical role of meteorological conditions on the plateau itself in initiating this phenomenon. Davis said the later findings are significant in that they clearly indicate that there are losses of reactive nitrogen from the plateau that must be replenished.

Davis indicated that the larger significance of their recent findings lies in the fact that the plateau is one of the richest sources of information about past climate conditions on Earth.

"Glacio-chemists take ice cores from the plateau

Continued on page 18

Sticking to His Guns

Retired professor's letters are 'an editor's dream'

By Maria M. Lameiras

There's nothing Mack Moore loves more than a good zinger.

And Moore, a professor emeritus of economics at Georgia Tech, has published his share. Whenever an issue strikes a nerve with Moore, he strikes back — with a letter to the editor.

Since the turbulent 1960s, Moore has had hundreds of his letters published in magazines and journals. More than 500 letters have been published in the *Atlanta Journal-Constitution*.

"I don't know what possesses me to write letters," said Moore, 79. "I just want to express my feelings and oppose wrongdoings. Most of my letters are protesting something or criticizing something someone's done."

Moore had his first letter to the editor published in the April 1960 issue of *Business Week* while he was a graduate student at the University of Wisconsin. He estimated that about two dozen of his letters have been printed in the magazine since. His first letter in the *Atlanta Journal-Constitution*, in 1964, was published a year after he began teaching at Tech.

Although many of his letters focus on economic or political issues — "most political issues are economic," he added — he usually scans current news and writes about whatever fires him up.

"I just think there are a lot of things that need calling attention to," Moore said.

Virginia Anderson, who was letters editor for the *Atlanta Journal-Constitution* from July 2000 until August 2003, came to know Moore well.

"He's one of our absolute favorite letter writers," Anderson said. "He's a great writer who takes great pains to phrase things just so. He's very meticulous, very thorough and very opinionated — a letters editor's dream."

Of all the letters he's written, he said his favorites have both been one-liners.

During the streaking fad in the 1970s, Moore wrote of the phenomenon, "At a bare minimum, it has exposed the myth that all men are created equal."

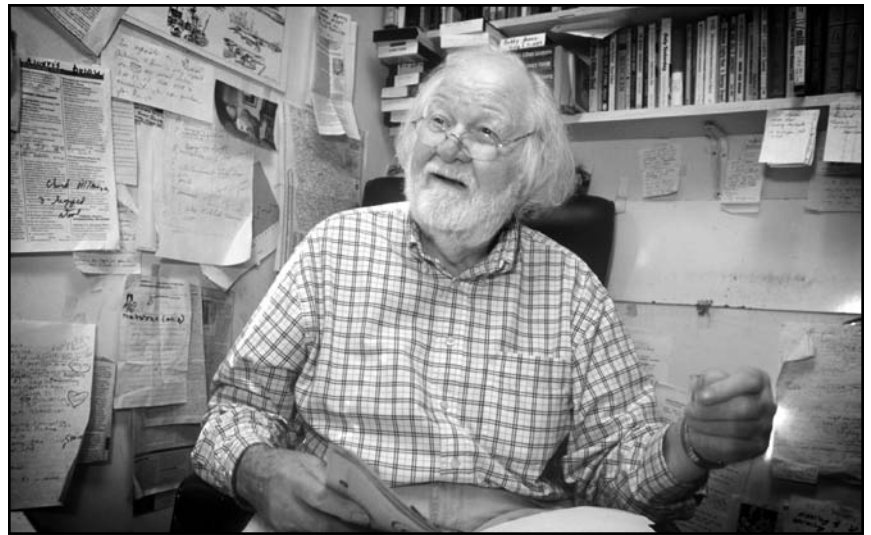
In December 1999, he scored one for the home team with this rip — "Every year, hundreds of Georgia Tech students flunk out because the course work is so difficult. If they were automatically admitted to the University of Georgia, grade-point averages would show an increase at both schools."

Moore said he often expresses opinions that may be unpopular, but he prides himself on including an underlying basis of common sense.

"I see myself as the reincarnation of the little boy in 'The Emperor's New Clothes,'" he said. "The most encouraging response I get is when someone says to me, 'I've never thought of it that way.'"

True to his economics background, Moore admitted that most of his pieces are related to money, including corporate salaries. And he is not above slapping the hand that feeds him.

A recent letter criticized the Board of Regents for allowing a chancellor to resign but stay on the payroll, at \$450,000 a year, as a "consultant" to his successor, who makes \$473,000. Another letter chided Gov. Sonny Perdue and legislative leaders



Hundreds of Mack Moore's letters to the editor have been published since 1960.

for a politically inspired teacher pay raise while in the midst of a budget crisis.

In August, Moore — who invites response to mackamoore@mind-spring.com — wrote a column in opposition of Georgia's HOPE scholarship and the lottery system, "HOPE makes a college degree more accessible, and that's bad."

"The lottery preys on those least able to afford it, transferring proceeds to the middle class. I would lay odds that the majority of HOPE scholarships go to children from families that would send them to college anyway," Moore wrote, adding that the scholarship has also led to tuition inflation and a glut of college graduates who cannot find jobs.

Moore is also fond of criticizing the American Association of Retired Persons, of which he is a member, and senior citizen discounts, which he uses.

"The AARP certainly doesn't speak for me and I have been a member for years," he said. "I am also opposed to senior citizen discounts. Even though I receive a decent amount of money from Social Security

and three times as much from my state pension, I pay less than the person working and trying to support a family. It is so unfair, but everyone sucks up to old people because we vote."

The issues Moore writes about range from local to international and from legal to philosophical. Among the many causes he has opposed in print are putting former President Ronald Reagan's likeness on the dime, an Israeli homeland and metro Atlanta's proposed Northern Arc. He has advocated legalized suicide and he thinks the current jury system should be dissolved in favor of drawing from a pool of professional jurors chosen by lot, akin to professional football referees.

Moore said the key to good letter writing is "having something to say and knowing how to say it in a few words."

Over the years, Moore has prided himself on sticking to his guns.

"I have never written anything that I've wanted to take back and I haven't written anything, even 40 years ago, that I still wouldn't agree with."

Surprise

Continued from page 17

and look for trace chemicals that reflect what was happening there thousands of years ago. These chemicals are like a fingerprint that changes as the climate changes," he said. "The whole idea for glacio-chemistry is to interpret this chemical fingerprint to see what past climates were like and what factors are important in bringing about that climatic change."

As a result of the highly elevated levels of nitrogen oxides on the plateau, Davis said that, like in urban areas, the resulting photochemistry results in the production of net ozone near the surface of the plateau.

"It is ironic that ozone is being destroyed overhead in the stratosphere because of chlorofluorocarbons and

their resulting chlorine oxidation by-products, and yet at the plateau's surface, photochemistry is actually producing ozone. Previous to these new findings, it is the last place in the world that any atmospheric scientist would suggest that it would happen," Davis said.

Although the release of nitrogen oxides from snow and ice surfaces have been seen at other polar locations, the nitrogen oxide observations of Davis and his colleagues on the plateau are nearly one order of magnitude greater than anywhere else in the world.

"These are very unique scientific findings," Davis said. "Antarctica is a part of the world we don't understand very well and our findings just represent further evidence that it is still a very mysterious continent, and it will most likely continue to serve up scientific surprises."

Magnet School Teacher Drawn to Expedition

The Rockdale Magnet School for Science and Technology at Rockdale County High School in Conyers, Ga., is a partner with Georgia Tech and one of its teachers, Jill Beach, participated in a portion of the Antarctic Tropospheric Chemistry Investigation expedition in November and December.

Beach teaches students how to conduct research, from generating an idea to conducting experiments and reporting their results.

During her three weeks with the expedition, Beach kept in touch with students via e-mail and an online journal.

Beach assisted with the atmos-

pheric research and then, later in her stay, assisted a professor from the University of Illinois with studies of fish that live in the region and how they produce the proteins that act as antifreeze in their systems.

"We hope to have students doing more environmental and air-quality research and we have developed a mentor at Georgia Tech, Dr. Athanasios Nenes, an atmospheric chemist in the School of Earth and Atmospheric Sciences, who wants to do some work with our students," Beach said. "I hope to see if there is a possibility my students can take the studies on the Arctic cod and do similar studies on goldfish."

'Very Surreal'

President Bush honors Georgia Tech volunteer

By John Dunn

For a few minutes, Billie Pendleton-Parker had the ear of the president of the United States. George W. Bush, she said, was a good listener.

President Bush flew into Atlanta on Jan. 15 to lay a wreath at the tomb of the Rev. Martin Luther King Jr., speak at a fund-raising dinner at the World Congress Center and recognize Pendleton-Parker, assistant director of Tech's Center for Teaching and Learning, for her exceptional efforts as a volunteer.

Pendleton-Parker met with the president at Hartsfield-Jackson International Airport when he arrived on Air Force One.

She had learned the day before that she would meet with Bush.

"It finally sunk in when I was talking with the advance man," she said. "He said, 'I want you to realize something. On any given day there are at the most only five people who get to speak with the president alone, outside of his family. Tomorrow you will be one of those five.'"

Pendleton-Parker said she had been "primed" to expect Bush to ask her specific questions about her volunteer activities.

"I was anticipating that erroneously, because Mr. President said, 'So, how are things going?' she said. "A lightbulb went on and I thought, 'Oh my gosh, I've got the president's ear.' I proceeded to have him listen to me."

Pendleton-Parker said she told Bush about AmeriCorps, a national service program that engages 50,000 volunteers to meet needs in education, public safety, health and the environment, and is facing major funding problems.

"It is a wonderful program that Hands On Atlanta is very dependent on and driven by their great AmeriCorps members. That is what I chose to ensure that he understood," she said.

"I'm not sure how long it was — it seemed like eight seconds, but people who were watching said it was minutes — it could have been five minutes.

"What is so wonderful — he really did listen. For that time, I did feel like 'I'm connecting. He's listening.' I did have his ear. That's all any of us could do."

The experience, she said, was "very surreal. And I say this with affection — it's so 'West Wing.'"

Bush recognizes volunteers as he travels across the country, said Kay



President George W. Bush poses with Billie Pendleton-Parker, who he recognized for her volunteer work with Hands On Atlanta.

Mynster, who is with USA Freedom Corps, a White House initiative promoting volunteerism.

Pendleton-Parker said she was recommended for the honor by the staff of Hands On Atlanta, a nonprofit organization with which she has been active as a volunteer since 1999.

"Of course, I corral my wonderful Tech students into joining me. That's one of my not-so-hidden-agendas," Pendleton-Parker said.

She was volunteer chair for Hands On Atlanta Day in 2002, when more than 15,000 volunteers participated in more than 200 service projects throughout the city.

The night before the award, the local CBS affiliate station found her volunteering her time at King's Bridge Retirement Center.

A camera crew came out and filmed Pendleton-Parker and Shonda Gaskins, IntA 99, of Smyrna, Ga., as they organized a Bingo game for the residents.

"Working with the seniors at Kings Bridge Retirement Center is special to me. It's that absolute, one-on-one, personal human interaction. And

you can see an immediate benefit of being there for one hour. When those little ladies get all dolled up and get their hair done and they sit and they wait in that lobby for hours for us to come and play Bingo, it's almost indefinable.

"Volunteering for me has been a part of my life, always," she said. "But I realize that for the vast majority of folks, it's not. I think most people don't volunteer because they think it is a huge time thing. It does not have to be."

Pendleton-Parker said that if everyone gave up two television sitcoms a month, they could volunteer one hour "to do whatever is close to your heart — whether it's to teach a senior citizen how to navigate the Web or plant flowers at a park."

Atlanta is filled with opportunities for volunteer services, she said.

"In my humble opinion there is no excuse that everybody doesn't do something," she said. "The rewards aren't tangible, physical rewards, unless you get hugs. How do you put a value on that? I don't know. There's nothing wrong with feeling good."

J.S. Coon Building's Modern Renovation Gets Recognition

By Sean Selman

The \$9.1 million renovation of Georgia Tech's J.S. Coon Building — completed on time and under budget — earned recognition in the November issue of *American School & University*.

The respected trade publication follows trends in construction, design and planning of facilities at schools, junior colleges and universities throughout the United States. The Coon Building renovation was recognized for renovation and modernization.

"We're very proud of the new facility and I think everybody at Georgia Tech can be proud of it," said Randy Engle, chair of the School of Psychology.

The renovation, designed by the Atlanta architecture firm of Jova Daniels Busby, transformed the early 20th century building on Cherry Street and behind Tech Tower into a 21st century home for the School of Psychology.

Built in 1912, the building was first called the New Shop. It later was renamed in honor of John Saylor Coon (1854-1938), one of Tech's original faculty members. "Uncle Si," as students knew him, was a professor of mechanical engineering who retired in 1922.

Between October 2001 and September 2003, his campus namesake was transformed through an interior demolition and total renovation that included changes to the building's exterior plus construction of an 11,000-square-foot addition and a 4,200-square-foot mezzanine. Architects and designers went to great lengths to maintain or incorporate some of the building's original architectural features into its new floor plans, Engle said.

"The Coon Building is one of the most historic buildings on campus, and because we have so few like it, keeping the historic qualities of the building was something we wanted to do from the beginning," he said. "When we first started looking for a new home, the Coon Building didn't seem like a real good match. But we worked with several architects and designs and eventually we found ways to make the building work for the School of Psychology."



Gabriel Brostow, left, works with Rory Gordon studying movement on video.

Graduate Student Wins Fellowship

Georgia Tech computer science graduate student Gabriel J. Brostow won one of only two Marshall Sherfield fellowships awarded to American science and engineering students to study at a British university.

Brostow is the first computer science or engineering student selected since the award was created in 1998.

"The opportunity to work with another group of leading scientists in my field at the conclusion of my PhD will be a welcome time of productivity and adjustment of my own long-term research objectives before I return to the U.S. seeking a faculty position," Brostow said.

The Marshall Aid Commemoration Commission offers up to two postdoctoral fellowships in science and engineering, in addition to the 40 well-known Marshall Scholarships for undergraduates to pursue graduate studies. The aim of the Marshall Sherfield fellowships is to introduce American scientists and engineers to the cutting edge of British science and engineering. The intention is to build longer-

term contacts and international links between the United Kingdom and the United States in key scientific areas.

Brostow plans to spend the year at the University of Cambridge working with professor Robert Cipolla in the vision and robotics group. He would like to stay for a second year and join one of the Cambridge colleges as well as pursue further collaborations between computer vision and other departments at Cambridge.

Brostow received his bachelor's degree in electrical engineering from the University of Texas at Austin and worked at Lockheed in New Hampshire before coming to Georgia Tech in 1997 to pursue a master's in human computer interaction. His thesis adviser, associate professor Irfan Essa, convinced him to stay for a doctorate. Brostow works closely with Essa in the area of computer vision and animation. Over the last six years he assisted Essa in creating and eventually co-taught the popular computer science course on digital video special effects.

Rohatgi Receives Rappaport Award

Ajeet Rohatgi, founding director of the University Center of Excellence for Photovoltaics, Research and Education at Georgia Tech, won the 2003 Paul Rappaport Renewable Energy and Energy Efficiency Award given by the U.S. Department of Energy's National Renewable Energy Laboratory.



"Dr. Rohatgi has focused his immense technical talents on developing low-cost and high-efficiency solar cells," said NREL director Richard Trully, AE 59. "So many of the significant advances that have been achieved in this important field can be credited to his tireless efforts."

Rohatgi additionally has played a significant role in education, having super-

vised 25 doctoral students in photovoltaic sciences and currently serving as Regents professor and Georgia Power distinguished professor in the School of Electrical and Computer Engineering. He has published more than 275 papers in his field and holds 10 U.S. patents.

NREL initiated the Rappaport Award in 2002 in celebration of the laboratory's 25th anniversary. It is named for the lab's pioneering first director and honors his outstanding efforts to advance renewable energy and energy-efficiency technologies.

"I am truly honored to receive this award since this recognition comes from my peers and colleagues and it is named after a true champion of renewable energy and a pioneer in the field of photovoltaics — Paul Rappaport," Rohatgi said. "This award is a tribute to my Tech faculty and staff colleagues, my past and present students, the administration and my industrial and governmental collaborators."

FOCUS

Historian supports civil rights mission

By Kimberly Link-Wills

An authority on the life and work of the Rev. Martin Luther King Jr. urged prospective graduate students from around the country to continue the slain civil rights leader's mission for nonviolent change.

Historian Stewart Burns, author of a new biography titled "To the Mountaintop: Martin Luther King Jr.'s Sacred Mission to Save America," was the keynote speaker for a campus ecumenical service. Hosted at Georgia Tech each year over the King holiday weekend, FOCUS is designed to showcase graduate programs to African-American college students. Now in its 13th year, the event attracted 167 undergraduates from 61 universities.

Burns, also the editor of a volume of King's letters, used the podium to showcase the need for continued change in America and around the world.

"Martin Luther King Jr.'s journey to the mountaintop began when he was 15 years old. He won the high school debate contest," Burns said. "His speech was called 'The Negro and the Constitution.' After delivering his oration at the state contest, young Martin King returned on a bus back to Atlanta.

"Riding through the rural river valley, in which his own great-grandfather had long before picked cotton and preached the gospel, the white bus driver ordered the teen-ager and his teacher to give up their seats for white passengers. 'We didn't move quick enough to suit him,' King recalled, 'so he began cursing us, calling us black sons of bitches, so we stood up in the aisle for the last 90 miles to Atlanta. That night will never leave my memory. It was the angriest I have ever been in my life,'" Burns quoted King as saying.

Burns, who is white, took part in the August 1963 civil rights march on Washington, D.C., protested against the Vietnam War and worked at singer Joan Baez's Institute for the Study of Nonviolence.

He also is the author of "Daybreak to Freedom," a history of the Montgomery, Ala., bus boycott. He said the civil rights move-



King historian Stewart Burns

ment was launched in that city in March 1955 by Claudette Colvin, a straight-A 11th-grader who was riding the city bus home from school.

When the bus driver ordered her to give up her seat for a white passenger, she refused. Two police officers removed her from the bus, handcuffed her and took her to jail.

"She cried out while they were taking her away, 'It's my constitutional right to sit here. You have no right to do this,'" Burns said. "This was nine months before Rosa Parks was arrested for the same exact crime, and the Montgomery bus boycott began."

While leading the boycott, King's home was bombed.

"He stood on his bombed-out porch before an angry crowd of armed black people poised for a bloody riot and preached to them, as Jesus had in his sermon on the mount, that they must love their enemies, turn their hate into compassion, that those who lived by the sword would perish by the sword. The crowd put down their guns and knives and went home. It was a turning point in the new civil rights movement, a turning point away from bloodshed," Burns said.

He said King continued to preach nonviolence, including in April 1967 when he condemned the Vietnam War.

"Dr. King was convinced that assertive nonviolent action, which he liked to call soul force, was not only more ethical than violence, but more effective, especially long term. He did not think that violent methods had ever truly been effective, whether in the Civil War, which left its legacy of wretched white supremacy, in global warfare or in ghetto riots," Burns said.

"We who claim the legacy of Martin Luther King Jr., or seek to claim it, must cling to the life raft of nonviolence in word and deed, in passion and compassion, as determinedly as he did in the last years of his life. The alternative is unspeakable." **GT**

Georgia Tech Foundation

Money Managers

GARY MEEK

Financial Facts

Foundation supports innovation, progress

By Joseph P. Irwin

Every year the Georgia Tech Foundation provides more than \$60 million in support of the mission and operations of the Institute. While the greatest majority of those funds are restricted to specific programs and uses, more than \$16 million is used for the most urgent unmet needs of the Institute in performing its mission of education, innovation, outreach and economic development.

The balance sheet of the Foundation shows an impressive net asset total of almost \$800 million, but as with any foundation, much of the asset base is restricted in terms of its use. Each of three asset classifications — permanently restricted funds, temporarily restricted funds and unrestricted funds — comprises about a third of the Foundation's net asset portfolio.

Permanently restricted funds include endowments with which only the investment income may be used to support the specific purposes defined in the donor agreements, such as creating scholarships, fellowships and professor's chairs and generating unrestricted monies.

Tech has a total of 87 academic chairs, including 16 Georgia Research Alliance chairs. Among these are 54 pledged to the Institute by donors in the five-year Campaign for Georgia Tech that ended in December 2000. The 54 new chairs include a dean's chair in the College of Computing, six school chairs endowed at \$2.5 million each, two Institute chairs, 35 faculty chairs and 10 GRA Eminent Scholar chairs endowed at \$1.5 million each.

Temporarily restricted funds are designated for a specific use, but not typically to an endowment, and might include donations for a building to be constructed, equipment to be purchased or for use in laboratories. For example, alumnus Christopher W. Klaus, founder and chief technology officer of Internet Security Systems, gave Tech \$15 million, part of which was used to fund the Klaus Advanced Computing Building, currently under construction.

Unrestricted funds are monies given to the Foundation for use wherever the need is greatest. Over the years, Tech's alumni have been tremendously generous through the annual



Roll Call, the primary source of these unrestricted funds.

Some years back, the Foundation determined that it would be good business to build some unrestricted endowments that would spin off more unrestricted dollars. Today, as a result, more than 50 percent of the unrestricted net assets resulted from growth in these unrestricted endowments.

The Foundation also leverages its assets to benefit the Institute, such as the bond financing of Technology Square and SAC II, also known as the Campus Recreation Center.

While \$800 million is still an impressive number, one can see that the return on the asset — about \$63 million, or 7.2 percent of the Institute's overall budget — is the real number that is available to support Tech in any given year. These annual allocations enable the Institute to maintain its momentum in spite of the difficult economy that exists today.

And these funds are put to good use to the benefit of Tech and to the good stewardship of Tech's donors.

Of the \$63 million total, a large portion — about \$47 million — is used for restricted academic support purposes such as academic chairs, scholarships, fellowships, academic programs and curriculum development.

The remainder of the money — \$16.3 million — is provided to the Institute from the Foundation for its discretionary use.

President Wayne Clough, Provost Jean-Lou Chameau and others includ-



Georgia Tech Foundation funds are used for academic support purposes such as academic chairs, scholarships, fellowships, academic programs and curriculum development. Students Jenny Wang, top left to right, Angela Chu and Jessica O'Neal conduct research in the Undergraduate Biomedical Engineering Lab. Above is a rendering of the Klaus Advanced Computing Building now under construction. Christopher W. Klaus, founder and chief technology officer of Internet Security Systems, gave Tech \$15 million for construction of the facility.

ing Vice Provost Robert McMath and Charles Liotta along with the deans from all six colleges determine how the money will be distributed among various needs.

Where does the money go?

It is devoted to each of the six colleges at Tech to seed new academic programs, new curricula and new materials.

It is devoted to recruiting the very best faculty through incentives, salary supplements and development grants.

It funds need-based and undergraduate academic scholarships and graduate fellowships, meeting an

urgent need to help students continue their education in the midst of a harsh economic climate.

It goes to meet the real estate needs and obligations that enhance the Institute's ability to expand.

The Foundation provides support, built from the largesse of Tech alumni, to the Institute and that support is critical to the continued innovation and progress of Georgia Tech as an educator of future business and academic leaders, as an economic driver for the state and the region and as a leader in research and innovation into the 21st century. **GT**

In the Black

Financial News and Giving Updates

ANDREW NIESEN

Class Gifts Right on Track



The Class of 1978, which celebrated its 25th reunion in 2003, raised \$121,100 to help fund the Class of 1978 Indoor Track at the new Campus Recreation Center. Including the funds for the track, the Class of 1978 raised \$2,808,073.

The 2003 reunion classes raised more than \$9.1 million, said Pam Trube, director of the reunion-giving program for the Georgia Tech Development office.

The three fund-raising classes each year are those celebrating their 50th, 40th and 25th reunions.

The track, situated above the swimming pool used in the 1996 Summer Olympic Games, is lofted seven stories in the air. Panoramic windows give runners a sweeping view of the Atlanta skyline.

Royal Portrush, Ireland

LC Lambrecht/Golfstock.net



Georgia Tech Alumni
Travel

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Best Regards,

Joseph P. Irwin
Vice President & Executive Director
Georgia Tech Alumni Association



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What's the Word?

News of Student Life

RANDY COOKE



Sport Parachute Club Lands National Championship

The Georgia Tech Sport Parachute Club beat the Air Force Academy at the National Collegiate Skydiving Championships in Lake Wales, Fla., in late December to become the first nonmilitary school to win in almost a decade.

In the four-way formation skydiving competition, the GT Inviscid team won first place with 63 points over four rounds, 21 points ahead of the second-place team. Inviscid — a scientific adjective meaning “fluid perfection” — also set a new collegiate record for the most number of points in a single round — 24.

“We formed GT Inviscid two years ago with the sole purpose of winning the Collegiates,” said Allison Yasitis, president of the club. “We worked exceptionally hard, so it was an amazing experience to be able to perform so well and accomplish our goal.”

In two-way competition, the GT Sol team tied for second place while GT Coalescent also performed well, recording the highest score in the third round with a 9.

Teams jumped from an altitude of 10,500 feet and were required to make as many formations as possible

before deploying their parachutes. A point was awarded for every formation properly made within the 30 to 35 seconds of freefall.

Three club members competed in the sport accuracy event in which competitors try to land as close to the center of a target without missing their marks. Brian Timberlake finished in first place and Jonathan Bartlett finished in second place. Becky Murray also competed and finished the accuracy event with high marks. Overall, Tech teams landed five gold and three silver medals in the skydiving meet.

Management Student Crowned Miss Georgia USA

Georgia Tech management senior Caroline Medley became interested in the Miss Georgia USA pageant after reading an article about Miss USA 2001 Tiffany Fallon, who is also from Atlanta.

“I liked the Miss Georgia USA pageant because it is not about you fitting into the title, it’s about how the title can help you reach your goals and dreams, so I decided I would try,” Medley said. “I saw how it could open up so many doors and opportunities.”

Medley was crowned Miss Georgia USA 2004 in November.

As a junior in high school in 1995, she won the title of Miss North Gwinnett High School. While studying at Tech, Medley was more interested in designing Web sites than fashion designs, but she didn’t let her pageant inexperience stop her.

“At first it was a little overwhelming because everyone in the pageants was at such a high level of experience. They had everything in place from gowns to makeup to talent, but it comes down to small factors,” Medley said. “I think being a student at Tech set me apart even though I had a lot more to do to prepare and I had to deal with the nervous-

ness of being in a pageant for the first time.”

Her top six showing in the 2003 Miss Georgia USA pageant motivated her to try again for 2004, her last chance to win as she approached the maximum age for contestants. Medley, who turned 26 after winning the crown, would have been ineligible for the 2005 title.

“It made me hungrier to win. I had a game plan and I knew what I needed to do to win,” Medley said. “I also think being at the maximum age limit was to my advantage because I’d had work experience and life experience and it gave me an added level of maturity.”

Still, when she heard her name announced as the winner of the 2004 crown, Medley said she was overwhelmed.

“It was just the culmination of so many emotions and efforts and sacrifices,” she said. “I had to tell myself, ‘This is a reality, not a dream. I did it.’”

After completing spring semester 2002, Medley took a full-time job as Internet sales and Web site director for a Mercedes-Benz dealer to earn money for school. Winning the Miss Georgia USA pageant delayed her return to classes, but earning a degree at



Miss Georgia USA Caroline Medley will participate in the Miss USA pageant in April.

Tech is still at the top of Medley’s to-do list. She is only 18 hours from completing her course work.

“I definitely want to finish my degree. My experiences at Tech really have been to my advantage all the way around.” **GT**

Burdell & Friends

Alumni Association News and Updates

APWIDEWORLD



'His World Has Changed'

Arad gains international fame with World Trade Center memorial

By Kimberly Link-Wills

When Michael Arad's design was picked over 5,200 others for the World Trade Center memorial, the Georgia Tech alumnus suddenly became a hot media commodity.

His name has appeared in print around the globe. But Arad, M Arch 99, has managed to keep a low profile. One of his few public appearances was at the Jan. 14 unveiling of his revised design at a press conference in New York City.

In his remarks, Arad said that the days leading up to the unveiling had been "incredibly difficult."

Doug Allen, associate dean of Tech's College of Architecture and Arad's former professor, said no one could have been prepared for the intensity of the world spotlight.

"I don't think it's possible to fully understand the significance of this," Allen said. "He had not even bothered to get an unlisted phone number. I think intellectually he had some abstract notion that if he won it would be a major thing. But looking at a roller coaster and being on a roller coaster are two different things.

"As late as January 1, he thought he was coming in third. There was an editorial that appeared about December 30 in *The New York Times* that described his project as 'the dark horse,'" Allen said.

Entries in the memorial design contest came from 63 nations. Yet the winner was found in

New York City, where Arad lives with wife Melanie Fitzpatrick, CP 97, and their infant son.

Arad told *The New York Times* that on Sept. 11, 2001, he watched the second plane hit the World Trade Center, raced downtown to find his wife, an attorney, and from Fulton Street, experienced the collapse of the first tower.

He grew up in Israel, the United States and Mexico. His father, Moshe Arad, was the Israeli ambassador to the United States during the Reagan administration. Arad has been a U.S. resident since completing Israeli Defense Force service in 1991. He earned a bachelor's degree from Dartmouth College before beginning his graduate studies at Tech.

Arad was designing police stations for the New York Housing Authority when he entered the World Trade Center memorial design contest.

Arad and his former professor have been communicating with each other regularly since the list of eight finalists was publicly announced in November. After his "Reflecting Absence" was chosen as the winner by the Lower Manhattan Development Corporation jury in early January, Arad called Allen.

"I still have it on my answering machine. He said, 'I'm still at the LMDC and I just found out I won. It's just overwhelming. I won. Can you believe it? I won,'" Allen relayed.

In his statement at the Jan. 14 press conference, transcribed by the New York News Network, Arad said, "Being here in New York on September 11

affected me very much. Witnessing the loss and destruction first hand was a wrenching experience.

"When the design competition was launched, I began to consider how to build a memorial on the site of the tragedy. I wanted to connect the site to the streets and neighborhoods that surround it and try to mend it and the city. After making the sites to grade, I carved two voids in its surface. They are open and visible reminders of loss and absence."

Jury chair Vartan Gregorian said the two 30-foot-deep reflecting pools in the footprints of the twin towers that define Arad's design have made "the voids left by the destruction the primary symbols of our loss."

"While these voids still remain empty and inconsolable, the surrounding plaza's design has evolved to include teeming groves of trees, traditional affirmations of life and rebirth. The result is a memorial that expresses both the incalculable loss of life and its regeneration," Gregorian said.

Allen said he was pleased when Arad told him he had chosen acclaimed landscape architect Peter Walker, noted for his design of Millennium Park for the Sydney Olympics, to work with him on requested revisions, including the addition of lush greenery to replace sparse pine trees in the original plan.

"He couldn't have picked a better guy. I know Pete pretty well. Michael would have known of his work from having studied at Tech," Allen said.

Continued on page 26

Hot Tickets!



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Arad

Continued from page 25

But Arad and Walker were thrown into a pressure cooker being monitored by the entire world. In the same breath that Arad told Allen that he won, he said, "I'm off to San Francisco to meet with Pete. We've got a week to get the revised presentation drawings."

Allen said, "Imagine that you're trying to cook a meal and you have 20 people yelling at you at full volume every five seconds what ingredients ought to be in it. You can't concentrate on the task at hand because there are all these distractions. And the ante is pretty high already."

The "ante" included pleasing scores of people and agencies, from the LMDC to the governor of New York, the current and former mayors of New York City — and the victims' families.

"The memorial is more complicated by the fact that there were people in the towers who died, there were the firemen and policemen who were trying to evacuate the people who died and there were people on the planes who flew into the buildings. How you address these individually and specifically and balance that against the representation of the larger symbolic attack on New York, and by extension the United States, is difficult. All these different concerns make it really, really hard," Allen said.

Arad also had to deal with public criticism arising from the announcement that he had been chosen as the winner before the revised design was unveiled.

"The chorus of naysayers was out in legion, criticizing something they hadn't even seen, convinced that somehow they had been cut out of the process or not fully represented," Allen said.

"Michael's strategy was to make the absence present. If you think about that, that's a hard thing to do. But the core of his scheme is very powerful."

The revised design adds bands of stone paving with trees around the sunken reflecting pools marking the footprints of the towers. An underground museum that will display such artifacts as twisted steel beams from the World Trade Center towers and a crushed fire truck was added. A stone container at the bottom of one of the tower's foundations will contain remains of unidentified victims.

The names of victims from both the Sept. 11, 2001, and Feb. 26, 1993, terrorist attacks on the World Trade Center will be engraved around the reflecting pools in random order.

In a joint statement from Arad

and Walker, they said, "The haphazard brutality of the attacks is reflected in the arrangement of the names, and no attempt is made to impose order upon this suffering."

New York magazine columnist Joseph Giovannini called Arad and Walker's design, with its underground chamber allowing visitors to look out through veils of falling water, an "inspirational plan of quiet dignity."

Allen said the design will continue to evolve over the next year.

"There's an enormous amount of tweaking that will go on. There's a multitude of decisions that will have to be worked out. This will consume him for probably 60 hours a week for the next three years. This has changed everything. His world has changed."

Arad was paid while working on his original design. "Each of the eight finalists was given about \$100,000 to develop the schemes further. But I'm sure he spent every penny of that developing the models and computer graphics," Allen said, adding that Arad will receive a commission for his work on the memorial.

"They think the budget is going to be around \$170 million. He'll get a 6 or 8 percent fee or something like that. It will be a substantial amount of money. But with that, he'll have to set up a firm and hire a team of people including structural, mechanical and electrical engineers. There are all kinds of people that he will have to bring into the project, just like in any building," Allen said.

Allen said *The New York Times'* description of Arad as a "habitual wallflower" is absurd.

"He's only 34 years old. He is a very personable, delightful person who was fully engaged in the school here. He has only been out of school since '99. Most architects don't hit their stride until they're in their 40s or 50s. It's just a silly description," Allen said. "I'm sure what Michael would like to do is just go design the thing and get on with it. Unfortunately, all this other stuff comes with it."

Allen brought up the Vietnam War Memorial, which also had its critics before — and after — it was built.

"I think most people now will go there and say it's one of the best, that it's really powerful," Allen said. "I predict this will be the same. I think people years from now in schools of architecture will be studying this."

And Georgia Tech alumnus Michael Arad's name forever will be attached to it.

The Ramblin' Roll

The Buzz from Friends

1940s

Jose A. Bolivar, IE 49, has been inducted into the Athletic Hall of Fame of St. Leo University in St. Leo, Fla. Bolivar led the track and basketball teams to the Florida state championships. Bolivar was also a member of the baseball team. In 2002, Bolivar was inducted into the Georgia Tech Hall of Fame. Bolivar retired as vice president of Bacardi Corp., where he supervised operations in Puerto Rico, Jacksonville, Fla., and Recife, Brazil. Bolivar has several relatives who are also Georgia Tech alumni or students, including his son Jose L. Bolivar, IE 75; his daughter Janet M. Bolivar, IE 81; his son-in-law Keith Riddle, CE 81; and his cousins Roberto A. Oliver, IE 75, Manuel J. Oliver, ChE 75, MS ChE 76, Jorge Oliver, a senior chemical engineering major, and Eduardo Oliver, a junior chemical engineering major at the Institute.

Alvin M. Ferst, IM 43, has been honored for his dedication to the Atlanta community with the naming of the Alvin Ferst Award of Excellence dedicated by The Wellness Community-Atlanta Northside at a ceremony at the Fox Theatre on Sept. 25. Ferst was recognized for his dedication and service to the organization with the award, which will be bestowed when a person or group demonstrates exceptional community support. Ferst, a retired consultant and executive vice president of Rich's, also has served as president of the Georgia Tech Foundation, the Georgia Tech Alumni Association and the Atlanta Traffic & Safety Council; chairman of the Atlanta branch of the National Alliance of Businessmen; vice president of the Metro Atlanta YMCA; director of Central Atlanta Progress; on the boards of the National Safety Council, the Atlanta Chamber of Commerce and United Way; and the advisory board of the Georgia Engineering Foundation.

Gordon Harrington, EE 46, married Dorothy Canty Forsberg on Dec. 15, 2002. Harrington is a professor emeritus at the University of Northern Iowa. The couple live in Waterloo, Iowa.

1950s

Johnnie Wayne Brown, EE 59, was elected mayor of Manchester, Tenn., on Aug. 7. Brown retired as an engineer from Suerdrop Technology Inc. at the Arnold Engineering Development Center.

William J. Fisher Jr., ChE 56, of Covington, Ga., has received the 2003 R.O. Arnold Award from the Newton County Chamber of Commerce for his lifetime commitment and service to the local community. Fisher, who had a 35-year career in operations management with Hercules Inc., has served on the board of visitors of Emory University and the board of directors for the Georgia and Newton County chambers of commerce. Fisher is currently chairman of the board of First Nation Bank in Covington, finance chair and executive board member of the Newton County Chamber of Commerce, a member of the chamber's economic development round table, a board member of the Community Foundation of Newton County and chairman of the planning commission for the city of Covington.

Warren H. Fox, IM 51, and his wife, Pilar, recently celebrated their 50th wedding anniversary. Fox retired in 1988 as a district manager from Florida Power & Light Co. after a 37-year career. Fox and his wife live in Deerfield Beach, Fla., and they spend the summers in the north Georgia mountains.

Clem O. Rhodes, IE 56, and his wife, Faye, celebrated their 50th wedding anniversary on Nov. 6. Rhodes retired from Loral Vought Systems in 1994 as a program director. The Rhodesees have three children and three grandchildren and live in Vero Beach, Fla.

Leland Speed, IM 54, was appointed executive director of the Mississippi Development Authority by Gov. Haley Barbour in January. Speed is chairman of Parkway Properties Inc., a real estate investment trust specializing in the ownership and operation of office properties. He is also chairman of EastGroup Properties Inc. Speed and his wife, Bessie, live in Jackson, Miss.

Pete Casabonne runs Color Genesis, an Atlanta photographic lab specializing in digital photography.



Focusing on the Future

Pete Casabonne zooms into digital world of photography

By Neil B. McGahee

While some traditional photo suppliers may byte the dust in the digital revolution, alumnus Pete Casabonne, Cls 78, has the pixelated future in focus.

Casabonne, owner of Color Genesis photographic services in Atlanta, has seen the bytes gathering on the horizon for a long time.

"I was really hoping for a digital evolution rather than a revolution," he said. "Everything in the business is changing so quickly it's hard to keep up without a head start. I'm afraid you're going to see a lot of traditional photographers and suppliers go out of business."

Casabonne first made the transition to a digital process in the mid-1980s using digital typesetting on business graphics, then 10 years later opted for digital printing of small-format photography.

"Having already made that transition really helped put us ahead of our competitors," he said, "but it was a very difficult transition."

Casabonne already had a love affair with photography when he enrolled at Georgia Tech in 1973.

"I had an old Minolta SRT 101 that I bought at a flea market," he said. "I joined the *Technique* staff right away and later became the photo editor of the *Blueprint*. I met so many interesting people that I might not have otherwise met. I was a biology major, but unlike most traditional science types, I needed extra stimulation beyond my major."

Casabonne left Tech in 1979 to go into the photography business with another Tech student, Jeffrey Martinroe, Cls 78.

"We opened DataSlide in an old storefront on 14th Street," he said. "We started using the Kodak E-6 color process, which had just been introduced and was supposed to save a great deal of time compared to older processes. But we had an old Hope transport

processor that was a challenge just trying to use it. You would go running when you heard certain sounds because you knew the film was in jeopardy.

"We worked under the name DataSlide until 1995, primarily focusing on copy slides and slides for business graphics."

Over the years, slide production dwindled and large-format printing and graphics became the primary business. Casabonne and Martinroe changed the company name to Color Genesis.

"When we started using digital reproduction, we were using these huge consoles costing about \$150,000," Casabonne said. "Then Microsoft came out with PowerPoint, a \$395 software package that changed everything."

"Through the 1990s we specialized in large-format business graphics rather than photographs, but we sold the large-format business three years ago and began to focus on photography and photographic printing. That's really where our passion is — the photograph, not the printed word — and so now we focus on producing quality prints from digital cameras or transferring film to digital. That means we can scan film and print it digitally," he said.

"We have about 1,000 active photographers on our database, mostly commercial and wedding and portrait photographers and advanced amateurs. Those photographers use a great deal of lighting, so it is much easier to shoot film. Film has great exposure latitude with limited dynamic range. On the other hand, digital has greater dynamic range and much less exposure latitude."

Last year, Color Genesis began monthly Photoshop and digital camera sessions for its customers.

"Our client base has been remarkably willing to share technical information, a trait not always seen in competitive photographers," Casabonne said. "We're all trying to become better at our craft at a time when our craft is changing dramatically."

CAROLINE JOE

Charles M. Stone, EE 59, and his wife, Doris, celebrated their 50th wedding anniversary Oct. 29. Charles still works in electrical engineering with his company, C.M. Stone Engineering Inc. Upon his graduation from Georgia Tech, Doris was awarded a "Mistress of Patience in Husband Engineering" degree by Dean George Griffin. The couple live in Dacula, Ga.

S. Joseph Ward, IM 51, was given the J. Curtis Hall Award by the Virginia Council on Economic Education in November. Ward, retired vice president for public relations and community affairs for the Bank of Virginia/Signet Banking Corp., was recognized for promoting economic literacy in Virginia schools. He has served as a member of the Savannah-Chatham County Board of Education, a Georgia Tech Alumni Association trustee, on the boards of the Georgia Foundation for Independent Colleges and the Presbyterian School of Christian Education and chaired the education committee for both the Richmond and Virginia chambers of commerce. He also organized an Adopt-A-School program for the city of Richmond. Ward served in the Army and Air Force in Korea and retired from the Air Force Reserve as a colonel. He and his wife, Barbara, have six sons and 10 grandchildren and live in Midlothian, Va.

1960s

Edward C. "Pete" Aldridge Jr., MS AE 62, has been chosen to direct the Commission on the Implementation of U.S. Space Exploration Policy, which will advise NASA administrators and the president regarding future manned missions to the moon and Mars. Aldridge, who was inducted into Georgia Tech's Engineering Hall of Fame in 1997, trained to be a payload specialist aboard the space shuttle prior to the Challenger disaster in 1986. Previously, Aldridge served as undersecretary of defense for acquisition, technology and logistics. From March 1992 until May 2001, Aldridge was chief executive officer of The Aerospace Corporation in Arlington, Va. He served as secretary of the Air Force between 1986 and 1988. He is the recipient of several awards, including the Secretary

of Defense Meritorious Civilian Service Award, the Department of Defense Distinguished Civilian Service Award and the Department of Defense Distinguished Public Service Award.

Nicholas E. Grynkeiwich Jr., CerE 65, MS CerE 72, retired from Delta Air Lines as an international captain in September 2002 after a 30-year career. Grynkeiwich was in command of the first international flight from Atlanta to Frankfurt, Germany, when the skies reopened on Sept. 13, 2001. Grynkeiwich is also retired as a colonel from the U.S. Air Force after a 26-year career with the active duty and reserve forces. He and his wife, Ray, live on St. Simons Island, Ga., and are active in the Golden Isles Georgia Tech Club. They have two grown children and one grandchild.

Rich Harwell, IM 64, was selected as a fellow of the International Council on Systems Engineering "for contributions in instituting and communicating applied knowledge in systems engineering in industry." Harwell's recent contributions include being a principal author of the national standard ANSI/EIA-632, "Processes for Engineering a System," and being a principal consultant for Southern Polytechnic State University in the creation of its new curriculum for a master of science in systems engineering. Harwell is also an associate fellow of the American Institute of Aeronautics and Astronautics.

Edgar M. Johnson, Psych 63, was presented the Meritorious Research Service Commendation by the American Psychological Association in December. He retired in 2002 as director of the U.S. Army Research Institute for the Behavioral and Social Sciences and chief Army psychologist. Johnson lives in Burke, Va.

Jim Jolly, Text 64, was sworn in as the 10th District representative for the Board of Regents of the University System of Georgia by Gov. Sonny Perdue on Nov. 18. Jolly, chairman and CEO of J&J Industries, serves on the board and is a past chairman of The Carpet and Rug Institute. He lives in Dalton, Ga.

Richard C. Kessler, IE 68, and his company, The Kessler Enterprise, have purchased and are restoring the circa-1888, 125-room The Mansion on Forsyth Park luxury hotel at 700 Drayton St. in

Savannah, Ga. Kessler, a Savannah native, also recently purchased the historic Kehoe House Bed and Breakfast on Columbia Square in Savannah and owns the Hampton Inn Savannah North. The Mansion is scheduled to open by January 2005.

Robert R. King, IM 65, received the Georgia Hospitality and Travel Association's Hospitality Award in December. King, former president of GHATA, is the chairman of StayOnline, a wireless high-speed Internet access provider based in Marietta, Ga. The Hospitality Award is given annually to someone in the industry who has demonstrated a long-term commitment to the industry in areas that reflect the organization's core competencies education, legislation and communication. King and his wife, Daughtry, are residents of Smyrna, Ga.

Lee Mowry, IM 68, of Roanoke, Va., was elected president of the Financial Services Marketing Association at the organization's annual meeting in November. Mowry is vice president of marketing for Shenandoah Life Insurance Co. in Roanoke.

Bill Needle, Chem 67, was selected as one of *Georgia Trend* magazine's "Legal Elite" for 2003. Needle, founding partner of the Atlanta law firm Needle and Rosenberg, was selected in the area of intellectual property law and appeared in the magazine's December issue. In 2002, Needle was listed among the "Best Lawyers in Atlanta" by *Atlanta Magazine* and was named a leader in intellectual property law in "Chambers USA: America's Leading Business Lawyers 2003-2004." Needle, who practices exclusively in patent, trademark and trade secret law, is also an adjunct professor of licensing law at Emory University School of Law and an adjunct professor of patent law at Georgia State University School of Law. Needle lives in Atlanta.

Pat Nettles, Phys 64, executive chairman of CIENA Corp., has joined the board of directors of Carrius Technologies Inc. Nettles also serves on the board of directors at Axcelis Technologies Inc., is a trustee for the California Institute of Technology, where he received his PhD in physics in 1970, and has served as a member and chairman of the Georgia Tech Advisory Board.

1970s

Jorge Alvarez, CE 77, MS CE 78, was promoted to operations manager of Lockwood Greene's engineering and construction office in Puerto Rico in July. Alvarez runs the business unit of more than 180 professionals providing engineering, procurement, construction management and validation services to the pharmaceutical, biotechnology and chemical industries. Alvarez, who joined the firm in 1993, is a licensed professional engineer in Puerto Rico and Texas. He and his wife, Elizabeth, and children, Eliana and Miguel, live in San Juan, Puerto Rico.

Vernon Bettencourt Jr., MS OR 76, was named the Army's deputy chief information officer in November. Bettencourt was previously director of analysis and chief information officer for the Army's deputy chief of staff for operations. Bettencourt spent 20 years in the Army. He retired in 1989 as director of the Army's training and doctrine command's analysis center in Monterey, Calif., where he supervised simulation research.

David P. Burford, ChE 73, a brigadier general in the U.S. Army National Guard, served as acting commanding general of the U.S. Army's Special Forces Command with forces deployed in Iraq and Afghanistan last summer. In December, Burford was the 10th inductee into the Order of St. Phillip of Neri, the patron saint of Special Forces, by the Army Special Forces leadership in consultation with the Special Forces Association, the international alumni organization of retired Green Berets.

Janet Campbell, Arch 75, M Arch 77, accepted a position as a central committee member for the city and county of San Francisco Republican Party in December. She will serve a two-year term with 12 other members from the 12th District, the northwestern area of San Francisco. She presently serves as a Republican poll watcher in the Presidio area and in her precinct, as well as precinct captain for the Republican Party in the Laurel Heights and Jordan Park neighborhoods, where she has lived for 11 years.

Craig Cuttner, Mgt 77, has been named senior vice president of advanced technology at Home Box Office in New York City. Cuttner is responsible

for technical formulation of HBO's distribution strategy and intercompany technical projects within Time Warner.

Carl Froehlich, EE 76, MS NE 83, has been appointed chief of agency-wide shared services for the Internal Revenue Service. The department works with the information systems group to provide central management, procurement and personnel support to the IRS' major business units and all offices. Froehlich previously was director of the Treasury Department's office of performance budgeting and led the work on the Bush administration's performance-budget integration management initiative and was responsible for developing and implementing the Treasury strategic plan. Froehlich worked in the Navy for 24 years, leaving in 2000 as director of the Navy Business Reform.

S. Wesley Haun, Mgt 72, has joined FTI Consulting Inc. as managing director. Haun works in the company's Houston office specializing in oil and gas matters relating to arbitration, mediation and litigation, asset valuations, strategic consulting and expert witness reports and testimony before state and federal courts and regulatory bodies. Haun earned his MBA in finance at the University of Nebraska. He and his wife, Debbie, live in Woodlands, Texas, and have a grown daughter.

Michael Humphries, EE 70, has been appointed executive vice president of field operations for Dorado Corp., which specializes in Web services-based systems for home lending. Humphries will oversee all customer-facing business units within Dorado including sales, channel sales, professional services, business development and customer service.

Channing R. Jones, IM 79, MS Mgt 90, completed the insurance education program and was designated a fellow of the Life Management Institute by the Life Office Management Association. Jones is a business analyst with AFLAC in Columbus, Ga.

Connie Fassett Littell, CerE 79, has been named worldwide project management profession leader for IBM. Littell lives in Cary, N.C., with her husband, Brian, and two daughters, Tracy and Claire.

Randolph Petersen, Tech 71, was recently named a fellow in the National Society of

Engineer Bridges Cultures

Tech graduate returns home to help revitalize Iraq

By Larry Kaplow

At least once, his class ring from Georgia Tech helped Entifadh Qanbar through the layers of tight security surrounding the American compound in Iraq's capital. When a soldier on duty noticed the ring of this Georgia Tech alumnus, he didn't even ask Qanbar for a photo ID.

Not that he would need it anyway. As the spokesman for the Iraqi National Congress, Qanbar is one of the more recognizable faces among Iraq's emerging political class.

Qanbar, 45, gave up a career as an engineer in Atlanta for the crucible of his native Iraq as it struggles to overcome war and decades of tyrannical rule by Saddam Hussein.

He has gone from barhopping in downtown Atlanta and antiques shopping in the Georgia countryside to an Iraqi political scene that keeps him watched over by a coterie of rifle-toting guards who speed him through chaotic Baghdad streets in his Toyota Land Cruiser.

The energetic, dapper Qanbar is a good fit for a place where Iraqis and Americans keep close, if sometimes tense, quarters.

"I consider myself a bridge between Iraqi culture and American culture. The gap is not as big as people think," said Qanbar, a naturalized U.S. citizen.

Born in Baghdad, Qanbar lived in Atlanta from 1994 to 2000, receiving a master's degree in environmental engineering from Georgia Tech in 1999 before launching a consulting career.

He had a parallel life as a political exile, working for the Iraqi National Congress and its leader, Ahmed Chalabi. He made headlines when he helped an Iraqi weightlifter defect to the United States at the 1996 Summer Olympics. He went on to head the Congress' Washington, D.C., office and help form a militia that accompanied U.S. troops into Iraq last spring.

These are triumphant days for Qanbar, having returned to Baghdad for the first time since 1990. Chalabi is

on the 25-member governing council that was chosen by the United States.

Qanbar conducts a steady stream of interviews and news conferences and sits in at council meetings when his boss travels. Iraqis come to him seeking help with the Americans or the Iraqi National Congress' clout in removing former Baath Party members from government posts.

A fashion maven, Qanbar dons wide pinstriped suits, pink or purple dress shirts and satin handkerchiefs and wears his hair slicked back. He also keeps a silver revolver tucked in the back of his pants.

His cordiality belies a toughness. In 1987, Qanbar and his brother were arrested by the Saddam regime on suspicions they opposed the government. He said they were informed on by a friend, also arrested, who told of denunciations of the regime they had made in gatherings with friends.

Qanbar spent 47 days in jail, facing repeated interrogations and beatings and being forced to watch his brother beaten in front of him.

Released from jail, he took the first chance at newly opened borders to flee the country in 1990. Already a successful engineer, he flew to London and, eventually, the United States.

Qanbar spent 14 years in America, moving from Detroit to Rhode Island and then to Atlanta to attend Georgia Tech. The South took Qanbar out of what could have been an insular existence in Arab-American communities.

"I wanted to go see the real America," he said in an interview between calls on his mobile phone in the bar of the hunting club the Iraqi National Congress uses as an informal headquarters and hangout. "Getting out of the Arab-American community gave me a chance to recreate myself."

Qanbar also found his political footing after meeting Chalabi in 1992.

"I developed myself in the political arena in Atlanta," he said.

A major coup came during the 1996 Summer Games in Atlanta, when mutual friends put an Iraqi weightlifter, Raed Ahmed, in touch



Alumnus Entifadh Qanbar is the spokesman for the Iraqi National Congress.

with Qanbar. Qanbar used credentials for gaining access to his summer studies at the Institute to sneak into the athletes' village.

The secret operation included eluding intelligence agents who kept watch over the athlete. Qanbar slipped him a piece of paper with an inside joke from a friend to prove his trustworthiness. Later, Ahmed was sneaked away to an Atlanta hotel for his defection and — showing the Iraqi National Congress' knack for publicity — dozens of reporters were waiting with Qanbar to receive him.

Qanbar then put his Atlanta experience to use in Washington, heading up the Iraqi National Congress' interaction with Congress, including former House Speaker Newt Gingrich of Georgia.

In Baghdad, Qanbar's adopted Atlanta roots continue to come in handy. He caught on, for example, to the way many Americans are taken in by Western-styled, English-speaking Iraqi "sweet talkers." They often turn out to have been Baath Party supporters under Saddam. Qanbar has noticed how sincere Iraqis, less aware

of Western ways, sometimes alienate Americans by their characteristic loud voices and energetic gesturing.

He finds similarities between the cultures. He said Iraqis and Americans are open and hospitable and like to have fun and spend money. Americans love liberty, he tells Iraqis.

Qanbar and the Iraqi National Congress face an uphill battle. Many Iraqis are suspicious of the legislative group. Reports describe an on-again, off-again relationship between Chalabi and his U.S. contacts, though Qanbar said relations are good.

He lives in a rented villa where he keeps a box full of his photos from America and the pass he used to get on the Olympic Village grounds. And with so many U.S. soldiers and coalition employees around, the South is never far away.

"When I hear that Southern drawl," Qanbar said, "my heart starts to beat."

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Professional Engineers. An associate with A. Morton Thomas & Associates, Petersen lives in Rockville, Md.

Peter Schirk, ME 79, has been named a sales manager for The Rose Corp. in Reading, Pa. The Rose Corp. is the exclusive licensee of the Drever Co. Previously, Schirk was opera-

tions manager at Drever Co. Schirk lives in Devon, Pa.

L. Stephen Smith, IM 71, has been named CEO of PMI Mortgage Insurance Co. in Walnut Creek, Calif. Smith remains president and chief operating officer of The PMI Group Inc. Smith is a member of the TPG Group and MIC

board of directors and chairman of CMG Mortgage Insurance Co. As CEO Smith is responsible for overall management of PMI's largest subsidiary and the second-largest mortgage insurance company in the United States. He will also represent PMI in the Mortgage Insurance Companies of America. Smith

began his career with PMI in 1979 as an account executive and rose through the ranks as senior vice president of marketing and executive vice president of field operations.

Charles A. Stanley, EE 72, has published "Poetry, a play and an American fairy tale," a book on military tactics

called "War;" a book on Microsoft AppWizard; an American study called "Republic;" a book on spy activities called "Off world;" and a desktop and technical writing manual called "Style Guide" for print-on-demand through Brunner Printing in Memphis, Tenn. Stanley, of Cornersville,



Flying Cross

David "Brad" Lyons, Mgt 92, an Air Force major and F-16 pilot, was awarded the Distinguished Flying Cross for actions taken during Operation Iraqi Freedom. An 11-year Air Force veteran, Lyons, 33, was honored for his actions on March 26, 2003, when he destroyed two surface-to-surface ballistic missile systems, located north of Baghdad. Because the targets were in a residential area, Lyons started the run south of Baghdad to reduce risk of collateral damage. The flying route put him "within lethal range of over 40 surface-to-air missile systems and countless anti-aircraft artillery batteries," according to the medal citation. "We had seen (anti-aircraft artillery) before, but never as bad as we had seen that day," Lyons said. "We had several explosions within about 1,000 feet of the airplane. That's close enough to get your attention."

Tenn., is a consultant in printed circuit board design.

Dwane "Corky" Stone, ChE 76, has taken the job of president and CEO of Tepsco, an operations and maintenance firm in the energy industry. He and his wife, Connie, live in Sugar Land, Texas. They have two daughters, Michelle, an accountant, and Stephanie, a PhD candidate in psychology.

C. Meade Sutterfield, EE 72, has been elected chairman of the Society of International Business Fellows for 2004. The organization is one of the leading international business groups in the country, committed to advancing global understanding and the competitiveness of its members through unique resources, educational experiences and relationships. Sutterfield joined the organization in 1997 and has held a number of leadership positions, including vice president of membership and class director. Sutterfield, an Atlanta-based private investor specializing in mobile communications opportunities around the world, is also vice president of communications for the Georgia Tech Alumni Association Board of Trustees' Executive Committee.

Laurence O. Trabue Jr., Mgt 75, has joined Pinnacle

Financial Partners as a financial adviser and senior vice president. Trabue previously was senior vice president and private client services manager with AmSouth Bank.

John G. Voeller, ME 71, has been appointed to a one-year term at the Office of Science and Technology Policy in Washington, D.C. During the assignment, Voeller will report to the Office of the President.

John O. Wylder, Econ 73, had his first book, "Strategic Information Security," published in November by CRC Press. The book is an executive resource on information security issues. Wylder and his wife, **Carolyn "Lyn" D. Wylder**, CE 75, MS CE 78, live in Portland, Ore.

1980s

Jim Allchin, PhD 83, was named to the board of the Prostate Cancer Foundation, the largest philanthropic source of support for prostate cancer research, in November. He is group vice president of Microsoft Corp.'s platforms group and a member of the leadership team responsible for broad strategic and business planning for the company.

Stephen Altman, EE 81, and his wife, Nilgun, announce the birth of their son, Emre Alexander, on Nov. 25. Emre joins sister Melis at the family's home in Columbus, Ga., where Altman works for Total System Services Inc.

Jeffrey S. Bagley, CE 83, recently became chief judge of the Superior Court of the Bell-Forsyth Judicial Circuit in Cumming, Ga. Bagley has served on the Superior Court bench since August 2000.

Niel Bornstein, Psych 88, MS Mgt 91, and his wife, Dawn, adopted a child, Nicholas Tae-Hyun McLaughlin Bornstein, in November. Nicholas, 1, was born in Taegu, South Korea. Bornstein also had his first book, ".NET and XML," published by O'Reilly and Associates in November. Bornstein, a software developer for Radiant Systems Inc., and his family are residents of Marietta, Ga.

Ellen Proper Brown, ISyE 85, recently became manager of the systems engineering and integration department for the United Space Alliance at the Kennedy Space Center. Brown, her husband, David, and their two children, Leacy, 14, and Mitchell, 2, live in Titusville, Fla.

Michael Cannon, ME 87, and his wife, Ashleigh, returned from China with their new daughter, Ella Brooke, on Oct. 1. Ella, 1, joins brother Will, 5, at the family's home in Apex, N.C. Cannon is manager of IBM Systems Group Sales Skills and Education in Research Triangle Park, N.C. His team has worldwide responsibility for the eServer and TotalStorage sales training for IBM and its business partners.

Angela Cardoso, Mgt 85, and her husband, David Woodley, announce the birth of their first child, Claire Catherine, on July 19. Cardoso is a senior vice president for Bank of America. The family lives in Charlotte, N.C.

John "Denny" Dennis Cox III, Phys 87, EE 91, and Colleen Gilbride Cox, Mgt 94, announce the birth of a son, John Dennis, on March 18. John joins his sister Reagan at the family's home in Atlanta. Denny has worked for Motorola for 10 years and Colleen is a full-time mother.

Randi Chervey Dulaney, EE 82, and David N. Karpina were married in September. The couple live in Lantana, Fla., with her children, H.G. and Beth.

Bill Drury, ChE 85, PhD 93, and Cheryl Lattimore Drury, MatE 90, announce the birth of a daughter, Darcy Clark, on Oct. 14. Darcy joins brothers Matthew, 5, and Jack, 3, and sister Paige, 2, at the family's home in Peachtree City, Ga. Bill is the president of Custom Molded Products Inc. in Tyrone, Ga., and Cheryl is a full-time mother.

James M. Garrett III, Mgt 89, a major in the U.S. Marine Corps, returned in November from an eight-month deployment on the USS Iwo Jima while assigned to the 26th Marine Expeditionary Unit in Iraq and Liberia. Garrett is based at Camp Lejeune, N.C.

Bruce A. Hartman, ME 86, is director of business development with Bradley Manufacturing Services, the contract-manufacturing arm of Char-Broil, a division of W.C. Bradley Co. Hartman, his wife, Sharon, and their two children live in Columbus, Ga.

Patrick Henry, ESM 86, was named president and CEO of Entropic Communications in October. Entropic makes communications chips and the associated software that will enable broadband multimedia networking in homes over existing cable television outlets. Henry previously was president and CEO of Pictos Technologies, developers of digital imaging products.

Dan Holland, AE 88, was promoted to project leader for the Unilever plant in Raeford, N.C. He also graduated from North Carolina State University on Dec. 17 with a master's degree in industrial engineering. Holland lives in Southern Pines, N.C., with his wife, Karen, and sons Ben, Jordan, Matthew and Michael.

Marc Hrossowyc, AE 88, and his wife, Kathi Blocher, announce the birth of their first child, Alexandria Blocher Hrossowyc, on Dec. 19. Hrossowyc is a development engineer with Bose Corp. The family lives in San Diego.

Daryl C. Jones, ME 84, MS ME 88, has been promoted to regional partner of Shelter Development to expand the company's affordable housing development and acquisition business throughout the southeastern United States. Jones and his family live in Atlanta.

Kim Kentera, IE 85, an early education consultant, is president of The Family Rocks, an online retail store that provides tools and services to help

prepare children for school. She has developed a new tool, "Look What I Did Today" journals, which offer a simple child assessment and planning tool for preschool teachers, child care providers and parents to monitor and record developmental milestones for children from birth to age 5. The Web site is www.thefamilyrocks.com.

Richard M. Kramer, Arch 80, M Arch 82, has been elected chairman of the design review board for the city of Alpharetta, Ga. Kramer and his wife, Regina, live in Alpharetta with their three children, Michael, Caroline and Christopher, who is a freshman at Georgia Tech majoring in computer science.

Dale Morgan Lawson, IM 88, completed her medical residency at Southwest Georgia Family Practice in Albany, Ga., in January. Lawson now works as an emergency room physician at Crisp Regional Hospital in Cordele, Ga. She and her husband, **Richard Lawson**, IE 86, live in Albany with their two daughters, Morgan, 5, and Jordan, 2.

John Lee, ChE 83, and his wife, Anissa, announce the birth of twins, Jackson Joyner and Abigail Christine, on Oct. 21. Lee is a production-engineering manager for emulsions with Konica-Minolta. The family lives in Greensboro, N.C.

Allan Metts, EE 87, has taken a job as vice president of software engineering at AirSage Inc., an Atlanta firm that markets software using signaling data from cellular networks to provide real-time speed and travel times for major roads. Metts, his wife, Italia, and daughter Noah live in Duluth, Ga.

Francis "Pat" O'Keeffe, IM 85, was recently featured in a cover story for *Automatic Merchandiser* magazine. O'Keeffe is director of food services for High Industries. High is the largest steel bridge manufacturer in North America and also provides food and vending services for companies throughout central Pennsylvania. O'Keeffe lives in Lititz, Pa., with his wife, Marianne, and their children, Mary, 10, and Jack, 11, who is named for his grandfather, John E. "Jack" O'Keeffe, CE 49.

David J. Owen, AE 89, of West Palm Beach, Fla., graduated with an MBA from Duke University's Fuqua School of Business in November. Owen is a business development manager for Motorola.

James D. Palmer, EE 84, has been appointed president of VTech Communications Inc. He will be responsible for product management, marketing/brand management and sales activities in North America. Palmer was previously vice president of product development and marketing at Uniden Inc.

Michael Edward Palmer, IE 82, and his wife, Sherrise, announce the birth of a son, Davis Earl, on Oct. 25. Davis joins brother James Edward at the family's home in Austin, Texas.

Dennis Parque, EE 89, MS EE 91, has taken a job as senior software engineer for Utility Sciences Corp. in Fort Collins, Colo. The company provides mapping and network management solutions for utilities of all kinds.

Monica Anderson Paterra, IM 87, and her husband, Victor, announce the birth of a daughter, Olivia Grace, on Sept. 7. Olivia joins sister Victoria, 3, and brother Anthony, 2, at the family's home in Lake Worth, Fla.

Harold R. Reynolds, IE 82, of Greensboro, Ga., has been elected chairman of the Georgia Board of Technical and Adult Education, the agency responsible for the governance of the state's 34 technical colleges. Reynolds, president of Coldwell Banker Lake Oconee Realty, has been a member of the board for 10 years.

Susan Sanders, Arch 89, moved to Rome, Italy, in 2001 and is the executive director and co-founder of a not-for-profit educational organization called The Institute of Design and Culture. The IDC offers city courses and city seminars for travelers who want to learn about Rome's past and present while enjoying it recreationally. The organization's Web site is www.urban-iconography.org.

Kerry Schutt, MS EE 83, of Erwin, Tenn., has been promoted to president and general manager of Nuclear Fuel Services Inc. Previously, Schutt was vice president of operations for the company. Schutt will be responsible for NFS site operations and professional growth and development programs for the company's technical staff. He began his career with NFS in January 1988 as a project engineer.

Selena McConnon Shaefer, EE 86, and her husband, David, announce the birth of a son, Jason Richard, on

Nov. 4. Jason joins sister Jenna Margaret, 2, at the family's home in Chuluota, Fla. Shaefer is an engineer in technical marketing for Siemens Westinghouse Power Corp. in Orlando, Fla.

Clyde Sheehan, IE 84, and his wife, Susan, announce the birth of a son, Thomas Alexander, on July 15, 2002. Sheehan is a child, adolescent and adult psychiatrist in private practice. The family lives in Tupelo, Miss.

Vivian Garcia Shepler, IE 87, MS IE 90, and her husband, Greg, of Marietta, Ga., announce the birth of a son, David Clayton, on Oct. 20. David joins sister Rebecca at the family's home. Shepler is a full-time mother.

David Travis, Mgt 84, released his first book, "Beyond the Box: Innovative Churches That Work," with Group Publishing in November. Travis is senior vice president of Leadership Network. He and his wife, **Lynne Sawyer Travis**, EE 83, live in Snellville, Ga.

Howard S. Wertheimer, Arch 81, M Arch 85, was named 2003 Volunteer of the Year by the Cowart Family/Ashford Dunwoody YMCA. The annual award is given to an esteemed volunteer from each Metro Atlanta YMCA branch. Wertheimer, who has volunteered at the YMCA for seven years, has helped the Ashford Dunwoody YMCA grow significantly, including the development of soccer fields, and now serves as board chairman for the branch. He and his wife, Carla, and their children, Marissa, Alex and Cody, live in Dunwoody, Ga.

Mark Westphal, ME 86, MS ME 88, has returned from military duty in Afghanistan, where he was a commander of a Special Forces A-Team. Westphal, a captain in the National Guard, and his Special Forces unit were activated in January 2003 and conducted missions in northern and south-eastern Afghanistan. During his tour of duty, Westphal earned the Combat Infantry Badge and the Bronze Star. Westphal lives in Yardley, Pa., where he is a senior engineer for Lockheed Martin.

John J. Young Jr., AE 85, was nominated by President George W. Bush in January to be deputy undersecretary of defense for acquisition and technology. Young currently serves as assistant secretary of the Navy for research, develop-

Trendsetter

Steve Diamond uses his Tech tools to design Nike products

By Maria M. Lameiras

Steve Diamond's part-time college job — and his Georgia Tech training — gave him an edge in the ultracompetitive clothing design industry.

Diamond, ID 99, is a product designer with Nike in Portland, Ore., where he creates trendsetting apparel and equipment for professional and college teams, including Georgia Tech.

"When I was at Tech I worked at the Abercrombie & Fitch store at Phipps Plaza. I got to know the manager and she knew I was doing something at Tech that was more artistic than traditional engineering," Diamond said. "She let me know Abercrombie & Fitch was hiring at the corporate level, so I went for an interview and they loved the way I sketched."

Although he had focused on consumer products from toothbrushes to televisions while studying at Tech, he said it wasn't a major leap into the design of "wearables."

"A lot of it is the quality of your sketching, presentation skills and a lot of trend research," he said. "I worked with a guy who had been in the fashion business for a long time at a lot of the traditional New York fashion places and he taught me how to look for trends in magazines and other media. I learned a lot from him. He left after a year, so I had to do everything on my own and it was lucky for me I was able to take a lot of what he taught me and go with it on my own."

While working for Abercrombie & Fitch, the company started a lifestyle store called Hollister Co. aimed at high school-age buyers, a consumer market that posed a problem for Diamond.

"I mainly designed accessories and I didn't quite know how to differentiate to that consumer," he said. "How do I know what a 13-year-old girl wants? Luckily there were plenty of women I worked with to learn from. Also, the experience I had at Tech prepared me to design anything."

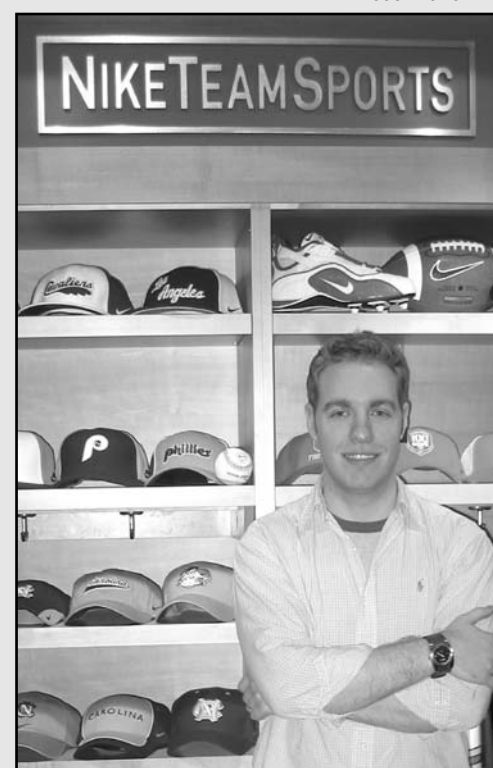
Diamond, 26, said it was interesting to work with designers who had come from liberal arts backgrounds.

"I was one of very few people from the South and most of the designers came from traditional art and design schools. But I fit in well because you had to really know the college customer and relate to school spirit," Diamond said. "At Tech I was a FASET leader and I was in a fraternity and several clubs, so when I was designing stuff, I could understand exactly who it was for."

In 2002, Diamond was offered his job designing professional and college team sports merchandise for Nike. He designs headwear for teams and coaches, as well as team retail items.

"It's kind of cool to watch college football games and know all the headwear the coaches and players from certain schools wear on the sidelines I helped design," he

COURTESY OF NIKE



Steve Diamond designs Nike products.

said. "I do everything from hats and footwear to apparel and equipment."

Although he doesn't design team jerseys or apparel for Tech, Diamond said he's enjoyed working on designs for retail products featuring Tech's colors and logos.

"It's fun playing with logos and colors, trying to do something a little different. Being in school and knowing what they have in the bookstore and knowing that kids want to buy something a little different from what they have in the mall gives you an interesting perspective," he said.

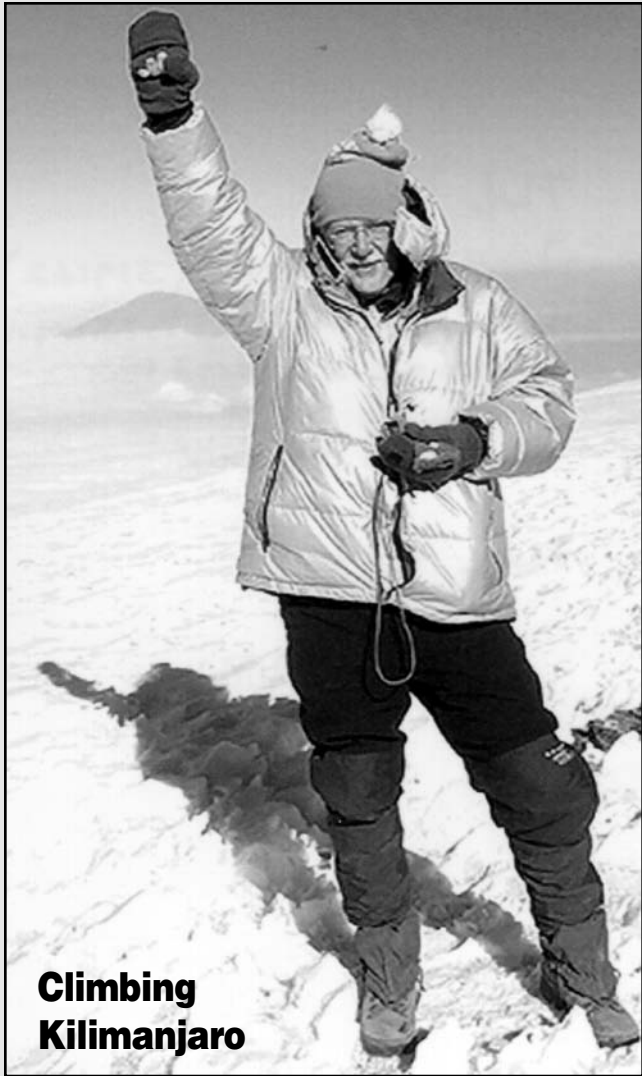
In addition to football team designs, Diamond has also designed items for the National Basketball Association, Major League Baseball and the National Hockey League.

Typically, he completes a design about a year before it shows up in the retail market. Usually that means competitors will come out with a similar item shortly thereafter.

"It's frustrating sometimes because you will design something, then other people will take your idea and run with it. It happens a lot to the larger brands," Diamond said. "The first experience I had like that was with a backpack I had designed. I was at an airport and I noticed an entire girls high school soccer team carrying a backpack I had designed, except it was another brand. It's kind of flattering that they took your idea because they liked it, but it takes it away from you."

Diamond said he enjoys seeing people on the streets wearing things he's designed or wearing prototypes out in public and having people ask where he got them.

"I do a lot of traveling to show clients new stuff and to get feedback on what works for them and to do unique stuff for them that's only sold in their stores," he said. "It's always challenging because we have such a broad range of consumers — college kids, alumni, urban kids — and every time you do a design you have to figure out who you are doing it for and what is going to appeal to them."



Climbing Kilimanjaro

Wearing his Georgia Tech ski cap, Joseph W. Berry, IM 63, of Athens, Ga., waves from the summit of Mount Kilimanjaro in Africa in July. At 19,340 feet, it is the tallest freestanding mountain in the world.

ment and acquisition. Previously he worked on the defense subcommittee for the U.S. Senate Committee on Appropriations. Young earned his master's degree from Stanford University.

Richard W. Zetterlund, ME 84, was promoted to assistant commissioner for infrastructure construction for the New York City Department of Design and Construction, which was established in 1995 to build the city's sewers, water mains, roads and public buildings. Zetterlund, his wife, Gwen, and sons, Zach and Luke, live in Cedar Grove, N.J.

1990s

David E. Alligood, IE 90, and his wife, Susan, announce the birth of a son, Luke Taylor, on July 21. Luke joins sisters Lauren, 6, and Katelyn, 3, at the family's home in Johnson City, Tenn. Alligood is director of decision support for Mountain States Health Alliance in Johnson City. He also had his acting debut in recent television and print ads for his employer. They may be viewed in the

"What Do You Say?" section of www.msha.com/multimedia/.

David Alonso, MgtSci 99, received his MBA from the University of Florida in November. He recently accepted a sales position in Denver with Siemens Westinghouse Power Corp. and relocated from Orlando, Fla., to Denver.

Lorrie Imbimbo Andrews, EE 90, and her husband, Keith, announce the birth of a son, Evan Patrick, on Sept. 30. Andrews is a network-planning manager for Sprint. The family lives in Heathrow, Fla.

Aditya Bhatnagar, MS EE 94, joined Nextel Communications in Reston, Va., in June as a network engineer involved in new service development for wireless data applications. He and his wife, Preeti, have two sons, Mrinal, 1, and Siddharth, 4. The family lives in Fairfax, Va.

Amanda Bowers, IE 99, and Gregory Upper were married on Oct. 25 at the Atlanta National Golf Club. The couple live in Raleigh, N.C., where Upper is a senior engineer in the power quality and reliability unit with Progress Energy.

Jim Brennan, ME 97, and Joy Volbeda were married Oct. 25 in Atlanta. Brennan is a software engineer for Internet Security Systems. The couple live in Atlanta.

Greg Chalker, ChE 96, and his wife, Tami, announce the birth of a daughter, Mallory Rachel, on June 15. The family lives in Huntersville, N.C., where Chalker is a financial manager with Honeywell Nylon Inc.

Heather Hoenes Chitwood, Biol 95, and her husband, Denny, announce the birth of their second child, Collin Bryce, on Sept. 26. Collin joins older sister Madison, 3, at the family's home in Cincinnati. The children's aunt is Holly Hoenes, IE 00, and their uncle is Chris Hoenes, ME 98.

Rodney D. Colquitt, EE 94, and **Dana Beck Colquitt**, ChE 95, announce the birth of a son, Gavin Dale, on Aug. 4. Gavin joins brother Aaron James at the family's home in Ringgold, Ga. Rodney works in the corporate engineering group at McKee Foods in Collegedale, Tenn., and Dana is currently a full-time mother.

Colleen Gilbride Cox, Mgt 94, and John "Denny" Dennis Cox III, Phys 87, EE 91, announce the birth of a son, John Dennis, on March 18. John joins sister Reagan at the family's home in Atlanta. Denny has worked for Motorola for 10 years and Colleen is a full-time mom.

Remer Craig Daniel, BC 93, and **Theresa "Tracy" Jackson Daniel**, IE 93, announce the birth of a daughter, Kendall Renee, on Oct. 31. Kendall joins sister Kaylyn at the family's home in Kennesaw, Ga. Craig is a project manager with Beck and Tracy works as a training engineer with Automated Logic Corp.

Steve Dimino, CE 94, and his wife, Maggie, announce the birth of a son, Stephen Louis Jr., on Aug. 23, 2002. The family lives in Decatur, Ga.

Watson Lee Dorn III, Arch 92, and his wife, Alice, announce the birth of a son, Robert Watson, on Sept. 25. Robert joins sister Caroline Elizabeth, 2, at the family's home in Greenwood, S.C. Dorn is an associate at DSP Architects Inc. in Greenwood.

Cheryl Lattimore Drury, MatE 90, and Bill Drury, ChE 85, PhD 93, announce the birth of a daughter, Darcy Clark, on Oct. 14. Darcy joins brothers Matthew, 5, and Jack, 3, and sister Paige, 2, at the family's home in Peachtree City, Ga. Bill

is the president of Custom Molded Products Inc. in Tyrone, Ga., and Cheryl is a full-time mother.

Jeffrey Fann, EE 96, and Summer Fowler were married Aug. 16 in Simpsonville, S.C. Fann is an electrical engineer at Kemet Electronics Corp. The couple live in Mauldin, S.C.

Becky Castleberry Ferguson, ME 91, and **Mark Ferguson**, Mgt 91, announce the birth of a daughter, Emma Grace, on Oct. 6. Emma joins brother Jacob at the family's home in Dalton, Ga. Becky is the manager of corporate compensation for Shaw Industries in Dalton and Mark is a plant manager for Shaw Industries in Ringgold, Ga.

Grosvenor "Rusty" Fish III, CE 90, MBA 00, and **Constance "Connie" Gilbride Fish**, CE 92, announce the birth of a daughter, Mary Katherine "Katie," on Feb. 26. Katie joins brothers Grove and Kevin at the family's home in Folsom, Calif. Rusty works as a tactical build plan manager with Intel and is a major in the California National Guard and Connie is a full-time mother.

J. Clay Fowler, Econ 92, and his wife, Paula, announce the birth of a daughter, Nadia Grace, on July 16. Nadia joins sister Natalie, 3, at the family's home in Ennis, Texas.

Cynthia VanDeVoorde Hall, ChE 97, and **G. Martin Hall**, Phys 92, Math 94, announce the birth of their first child, Julianna Catherine, on Sept. 7. The family lives in Takoma Park, Md.

Jeffrey A. Hannah, IM 90, has opened an Atlanta law practice, Hannah Law Group, specializing in business counseling, civil litigation and catastrophic personal injury. Hannah lives in Atlanta.

Jim Hannon, ME 95, and his wife, Marie, announce the birth of their first child, Charles Patrick III, on May 10. Hannon received his juris doctor from the University of Alabama and is currently employed as a patent attorney with King & Spalding in Atlanta. The family lives in Marietta, Ga.

Mark Harclerode, Arch 93, and his wife, Melody, announce the birth of a daughter, Eve Olivia, on Oct. 22. Eve joins brother Grant, 3, at the family's home in Atlanta. Harclerode, who earned his Georgia architecture license in July, is a member of the American Institute of Architects

and a project architect with Turner Associates in Atlanta. He and his wife are currently designing a new home in Atlanta.

Jennifer Flanagan Holmes, Biol 95, and her husband, Liam, announce the birth of a son, William Christopher, on Oct. 8. Holmes and her husband are founders of MIS Solutions, an information technology consulting firm in Suwanee, Ga. The family lives in Sugar Hill, Ga.

Michelle Leigh Holbrook Homier, HTS 99, was admitted to practice law in Georgia on Nov. 24 and began working as a staff attorney with the Fulton County Public Defender's Office in Atlanta. Homier graduated from the University of Georgia School of Law cum laude in May and passed the Georgia Bar Exam in July. She and her husband, Tony Homier, CS 00, live in Atlanta.

Eric House, ICS 92, MS CS 94, and **Kim Williams House**, ME 94, announce the birth of a son, Matthew William, on Nov. 5. Eric is the software engineering manager for Communications Test Design's Atlanta office and Kim, a physician, is medical director of the Veterans Administration nursing home in Atlanta. The family lives in Roswell, Ga.

Jennifer Stewart Jackson, Psych 94, is pursuing her master's degree in counseling from the University of Maryland-Asian Division while her husband, **Phil Jackson**, ID 90, an F-15C Air Force pilot, is stationed at Kadena Air Force Base in Okinawa, Japan.

Kevin Jacobs, IE 90, and **Denise Kanabroski Jacobs**, EE 92, MS Math 95, PhD 01, announce the birth of a daughter, Erin Elizabeth, on July 4. Erin joins brother Christopher, 6, at the family's home in Cornwall on Hudson, N.Y. Kevin is a founding partner of Slim Technologies, a supply-chain software company, and Denise is an assistant professor at the U.S. Military Academy at West Point.

Troy S. Jamison, ME 96, and his wife, Jennifer, announce the birth of a daughter, Lillian Bradley, on Nov. 1. Jamison is director of sales planning and development at Danfoss Drives and is pursuing his MBA at Northwestern University. The family lives in Rockford, Ill.

Ashley Gigandet Joseph, IntA 94, and her hus-

Kicking the Pain

Academics helped Tech kicker move past '97 game

By Carroll Rogers

Former Georgia Tech kicker Dave Frakes is associated with what might be the most excruciating 48 seconds in the history of Tech's rivalry with Georgia.

His kickoff out of bounds in 1997 set off the chain reaction that spoiled Tech's bid to snap a six-game losing streak to Georgia. Mike Bobo's 8-yard touchdown pass to Corey Allen sent out Frakes and the rest of Tech's seniors winless against Georgia and riding the Yellow Jackets' longest losing streak in the series.

But Frakes has moved way beyond the loss. He has received four engineering degrees from Tech and developed his own three-dimensional magnetic resonance imaging software. Football is what helped get him there.

Frakes, from Rockford, Ill., graduated from Tech with high honors in electrical engineering in 1998. He went on to master's degrees in both electrical and mechanical engineering. Last August he received his PhD in biomedical engineering.

Now 27, Frakes has started an imaging business that specializes in monitoring blood flow through the carotid artery and in measuring the volume of cancerous tumors. Traditionally that information has been extrapolated from two-dimensional MRI images. This kind of technology takes the next step.

"That's what drove me to biomedical engineering," said Frakes in his 4-D Imaging office across the Downtown Connector from Tech's campus. "It has a direct effect on the well-being of people's lives, and what could be more important than that?"

So then, how important would a stray kick in a football game be in the grand scheme?

"I'd be lying if I said it doesn't still hurt that my class never got to

beat Georgia," Frakes said. "It's one of those games where everything was right in front of us."

With 48 seconds left, Tech had taken a 24-21 lead on Charles Wiley's touchdown.

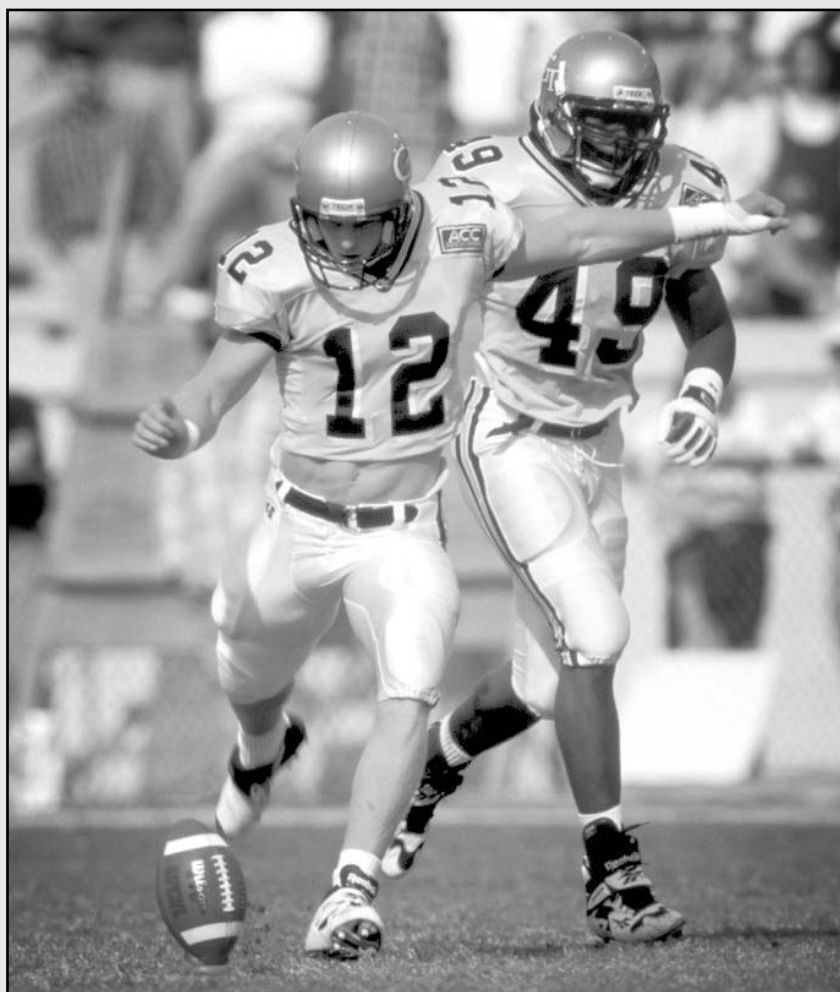
Frakes had made three field goals but was having a strangely bad day kicking off. After not kicking any out of bounds all season, he had done it twice in the game. This was a kicker who made the lineup as a true freshman for his kickoff skills. He made a 53-yard field goal against Virginia in 1996 and then had to kick off from the 20 following a celebration penalty, but still he got it to the end zone.

Both of his misses against Georgia were designed to the right side. His good side was the left, and that's what coach George O'Leary wanted this time. Frakes aimed between the numbers and the sideline at the end zone, hoping for a hang time better than four seconds. The kick had distance but hooked left. The referee's flag told Frakes he'd missed.

Georgia started its scoring drive from the 35 instead of the 20. It's most remembered for a controversial pass interference call on Donte Booker, but that's not what Frakes remembers.

"Do I kick the ball down the middle of the field or do I try to do my job?" Frakes says. "I decided to try to do my job. Do I regret that decision now? Only the outcome. It was significant. It hurt our chances to win, so I was disappointed I hadn't done my job."

But he remembers more good moments than bad in a career that started with a 1-10 season and ended with a win in the Carquest Bowl. In the meantime, he earned a reputation as an unusually tough kicker. He made six tackles on kickoff coverage in 1997, most notably one that knocked him unconscious against Clemson.



Dave Frakes kicks off for Georgia Tech before he kicked off his career.

"The act of kicking was the least fun," said Frakes, who also pole vaulted for three seasons on Tech's track team. "I loved football because of everything else involved — the atmosphere, my teammates. They were and continue to be the best friends I have in my life."

Frakes got a tryout with the Redskins and was released, but he feels like he got the best out of the sport with his college football experience and his education.

"I look back now, I'm amazed I was able to be as successful as I have been just because everyone else around here is so incredible," Frakes said.

"The two areas I did a majority of my research — cardiovascular fluid mechanics and the Center for Signal

and Image Processing — are both known as top of the field in their areas. To think I got the opportunity to have those people shape my career because of football is really crazy and very lucky.

"And at the same time, I couldn't ask for anything more in a college football experience, coming in 1-10 and leaving with a bowl game."

That 1997 team started the current streak of seven consecutive bowl-eligible seasons for Tech. And in 1998, Frakes got one last shot at Georgia after O'Leary asked him to work with Tech's kickers. Brad Chambers made a 35-yarder to beat Georgia.

Carroll Rogers is a staff writer with the Atlanta Journal-Constitution. Copyright 2003, Atlanta Journal-Constitution, reproduced with permission.

band, Matthew, announce the birth of a son, William Douglas, on May 6. Joseph is on a year's leave of absence from McKinsey and Co., for which she is an associate principal. The family lives in Charlotte, N.C.

Kevin Kirkus, CmpE 99, and his wife, Stacy, announce the birth of a son, Michael Ellis, on Nov. 30. The family lives in Lexington, S.C.

Christopher W. Klaus, CIs 96, has written a book, "Chris Klaus's Dynamic Threat Protection: ISS Framework for Next Generation Security," with

co-author Jim Hendricks, published in January. The book "gives readers invaluable insight into the concepts of 'Dynamic Threat Protection' and also teaches them to utilize appliances and software from ISS to implement this ground-breaking philosophy," according to the publisher's Web site. Klaus, founder and chief technology officer of Internet Security Systems, gave Georgia Tech \$15 million to help fund the Klaus Advanced Computing Building under construction on Tech's campus.

Tammy Lindell, ME 99,

and **Neal Garbett**, CS 98, were married July 5 in San Diego. Tammy is a process development engineer at Innercool Therapies, a small medical device company, and Neal is a pilot in the Navy flying the SH-60 helicopter in HSL-49 squadron. The couple live in San Diego.

Calvin Mackie, ME 90, MS ME 92, PhD 96, was nominated in December for a Presidential Award for Excellence in Science, Math and Engineering Mentoring. Mackie is an associate professor of mechanical engineering

at Tulane University and a speaker on the topics of education, motivation, achievement, leadership, African-American history and culture. He is co-founder and president of Channel Zero, an educational and motivational consulting firm located in Louisiana. The award, administered on behalf of the White House by the National Science Foundation, annually recognizes outstanding leaders in the effort to enhance minority representation in science, math and engineering at all levels of education. Award recipients will be presented with a grant for

\$10,000 and a Presidential Commendation Certificate at the White House in March.

Ryan Magnon, Mgt 97, recently joined RubberNetwork as supplier relationship manager for technology activities related to supply chain initiatives within the tire industry. RubberNetwork is a supply chain technology firm owned by the major tire manufacturers of the world. Magnon and his wife, Aimee, live in Lawrenceville Ga., with their sons Taylor and Austin.

Janice Mallory Marchman, IE 96, and **T. Michael Marchman Jr.**,

A Better Buttery Co.

Tech alum grows small family business Texas size

JIMMY STEPHENSON/THE LLANO NEWS

By Meredith Fletcher

Henry C. Buttery III took the family hardware store in Llano, Texas — a town of 3,000 people in the middle of nowhere — and turned it into a diversified distributor to independent hardware stores, lumberyards, plumbing companies and electrical dealers throughout the state, as well as parts of New Mexico and Oklahoma.

Founded by Buttery's grandfather in 1900, the business now rakes in about \$50 million a year in revenues, thanks largely to a hands-on approach.

"You've got to be there, answer the phone and solve problems as they arise," said Buttery, ME 45. "This is not the kind of business you can run from the drugstore."

From the beginning, the company first known as Buttery and Bogusch has been a family operation. About a year after its inception, Frank Buttery took the reins from his father, Henry C. Buttery Sr., calling the business J.F. Buttery. In 1912, brother Henry Jr. came on board and the name became Buttery Hardware Co. The brothers ran the business together until the end of World War II, when Henry Jr. bought out his brother's half of the company.

Meanwhile, Henry III, who served in the Marines, found his way to Georgia Tech via the Navy V-12 program.

"My experience at Tech was invaluable. If I hadn't had the training that I got, I wouldn't have done the things I did," Buttery said.

Buttery did not immediately return to Texas after graduation. Instead he took an engineering job with the Wheland Co. in Chattanooga, Tenn.

"Hardware didn't particularly appeal to me at the time, but I soon became enamored with it," Buttery said.

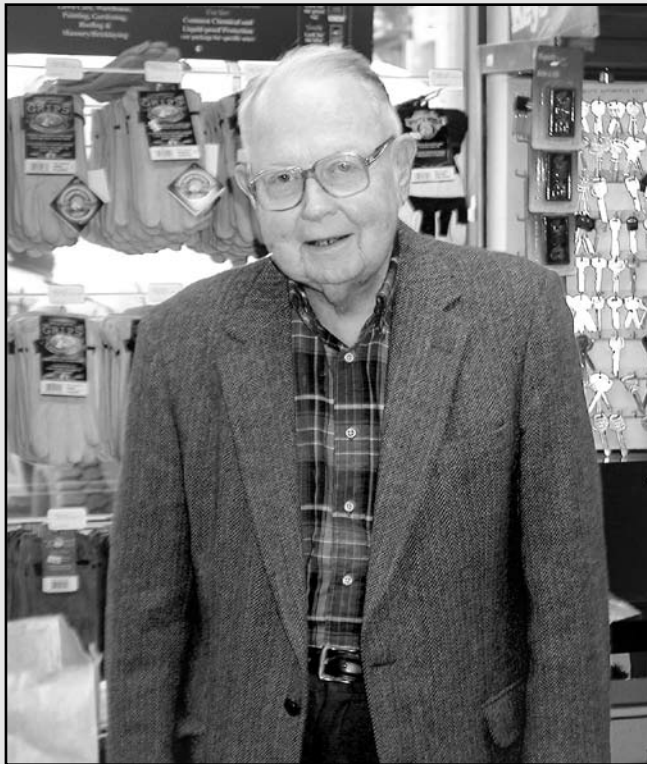
Family duty called when his father became ill. Buttery was needed back in Llano to keep the business afloat. His father died in 1950.

During the Korean War, Buttery was reactivated into the Marines. The hardware store hit a low ebb in 1951.

"It looked like we might go into oblivion," Buttery said. But his mother and a few employees managed to keep the store going until Buttery returned in January 1953.

Buttery came back ready to expand the business. "We had to determine a way to grow," he said. "Retail wasn't the answer in a town of 3,000, so we went the route of selling to other dealers."

Today Buttery is one of Llano's largest employers with some 160 people on the payroll.



"Henry's passion just seems to be figuring out ways to make money and be successful," said Jimmy Stephenson, editor of *Llano News*. "And he's sure done it."

Buttery credited his achievement with the "perseverance and tenacity to hang in there and make it work."

He also had the smarts to extend the business beyond hardware to filling the needs of lumberyards, plumbing operations, power lawn equipment vendors and farming and ranching outfitters. The business name was changed to Buttery Co. in 2002 to reflect the diversification.

Described by Stephenson as "an honest man who takes care of his customers," Buttery's commitment to his community has been recognized on several occasions. In 1979, the Llano Chamber of Commerce selected Buttery as Citizen of the Year. In 1992, Buttery received the chamber's Hall of Fame award, as well as the first-ever Community Builder Award from the Masonic Grand Lodge of Texas.

"He has an old way of doing business that people appreciate," said Stephenson. "You always know Henry will straighten out any problem — personally."

Buttery said such growth in the business would not have been possible without the company's transition into data processing, which enabled tighter inventory control. The trend toward streamlining continues. The company is currently testing software to facilitate paperless orders.

But the business still sticks close to its family roots. Three of Buttery's four children are involved in the operation, and the generations of Butterys have managed to grow the business as others like it have fallen by the wayside.

"In 1975 there were 20 or 25 similar operations in the state," Buttery said. "Today there are hardly any."

ISyE 97, announce the birth of their first child, Kyle Michael, on May 18. Janice is a full-time mother and Michael is a manufacturing development engineer with Agilent Technologies. The Marchman family lives in Petaluma, Calif.

Philip Todd Maxwell, ISyE 94, and **Katy Peterson Maxwell**, MatE 95, announce the birth of a daughter, Mackenzie Leigh, on Nov. 19. Phil works at Coca-Cola Enterprises and Katy works as an account manager with Metrowerks. The family lives in Norcross, Ga.

Kelley L. McCall, ChE 97, and W. Jason Law were married May 10 in Asheville, N.C. McCall is a quality assurance manager with Milliken & Co. The couple live in Greenville, S.C.

Bob McFadden, Mgt 94, and his wife, Stephany, announce the birth of their first child, Walker Brice, on Nov. 14. McFadden is the owner of the Chik-fil-A franchise in Auburn, Ala. The family lives in Auburn.

Maryann Bates McGrail, CE 94, and her husband, David, announce the birth of a daughter, Grace Ann, on Sept. 5. Grace joins sister Elayne, 3, at home in Atlanta.

Brian Edward McGuire, ChE 96, was promoted to area manager of the brew house and fermenting at Anheuser-Busch's Fairfield, Calif., brewery. He and his wife, **Whitney Kirk McGuire**, ChE 93, live in Vacaville, Calif.

Elaine Keane Mills, Chem 99, and Matthew Mills, CS 00, announce the birth of a son, William "Liam," on July 19.

Dennis Murray, IE 99, and his wife, Mandy, announce the birth of a son, Aidan David, on Nov. 5. Murray is a production and inventory analyst for Russell Corp. in Atlanta. The family lives in Cumming, Ga.

Ken Norman, EE 92, has been promoted to major in the U.S. Air Force. Norman is currently the engineering assignments officer for the Air Force's developmental engineering career field. Norman is stationed at Air Force Personnel Center Headquarters at Randolph Air Force Base in San Antonio, but will be assigned to Washington, D.C., in July.

B.J. Olejnik, AE 97, and his wife, Michele, announce the birth of a daughter, Katherine Elizabeth, on Dec. 30. Katie joins brother Rob, 3, at the family's home in St. Charles, Mo. Olejnik is a structural design

engineer for Boeing Phantom Works in St. Louis.

James R. Oliver, ME 90, NE 92, and **Angela D. Fox**, EE 91, of Arlington, Va., announce the birth of a son, James Tatton Oliver, on June 22. Angela is president of Foxoliver Inc. James is a principal at Trinity Engineering Associates.

Christopher Petro, CP 96, and his wife, Shelley, announce the birth of their first child, Garrett James, on July 31. Petro is a transportation planning manager for the Northwest Louisiana Council of Governments. The family lives in Bossier City, La.

Kevin H. Price, ME 96, and his wife, Susann, announce the birth of a daughter, Anna Malatino, on Oct. 19. Price is a supervisor at Progress Energy. The family lives in Lake Mary, Fla.

Joye E. Purser, Biol 96, and Peter J. McCormick were married May 25. Purser also completed her PhD in biomedical sciences and is now coordinator of science policy at Research!America, a national nonprofit medical research advocacy alliance in Alexandria, Va. The couple live in Washington, D.C.

Tripp Rackley, IE 93, has been named chairman of the board of BroadSource Inc., an Advanced Technology Development Corp. company located in Technology Square. Many of the employees of BroadSource are also Tech graduates, including CEO Bird Blich, IE 97.

Keith Rothwell, CE 96, and **Shelly Lisbon Rothwell**, CE 95, announce the birth of a son, Garrett William, on Oct. 31. Garrett joins brother Anderson at the family's home in Marietta, Ga. Keith is a project manager with Oxford Properties in Atlanta and Shelly is a full-time mother.

Kevin Shankwiler, ID 96, and **Heather Cox**, MS Mgt 99, were married Nov. 1 at the Swan Coach House in Atlanta. They live in Atlanta.

Gary Shertenlieb Jr., Mgt 93, accepted a position as divisional director for the Hamilton, Bermuda, office of R.K. Harrison Insurance Brokers, a London-based property and casualty insurance broker. Shertenlieb, his wife, Tara, and their sons, Tripp and William, have relocated to Bermuda.

Marcus Shute, MS ME 91, PhD 95, has been appointed vice president for research

and sponsored programs at Tennessee State University. Shute, president and CEO of Shute Enterprises Inc. consulting firm, joined the staff Oct. 6. Prior to his appointment, Shute served as vice president of advanced technologies at Luxcore Networks Inc.

Michael Sobers, AE 98, and his wife, Christy, adopted a son, Nathan Michael, on Aug. 26. Nathan was born in Komsomolsk-na-Amure, Russia, on Nov. 18, 2002. Sobers is a captain in the U.S. Air Force at Hill Air Force Base. The family lives in Layton, Utah.

Jerry Stamey, ME 95, and his wife, Lisa, announce the birth of a daughter, Mia Felices, on Oct. 24. Stamey is the owner of moNET IT Consulting in Atlanta. The family lives in Atlanta.

Matthew Stewart, ChE 99, and his wife, Stephanie, announce the birth of a son, Jacob "Jake" Matthew, on Oct. 13. Stewart is a plant engineer at Optima Chemical Group. The family lives in Douglas, Ga.

David Stokes, MS EE 94, PhD 00, and **Elizabeth Cherry Stokes**, EE 96, announce the birth of a son, Daniel David, on Dec. 10.

Heather Ann Loar Storta, ChE 95, and her husband, John, announce the birth of their first child, William Tyler, on Oct. 11. Storta is a full-time mother. The family lives in Concord, N.C.

Jamie Stroud, Mgt 99, and Andrew James Emborsky were married Oct. 11. Stroud is a contract account manager for Whirlpool Corp. The couple live in Carolina Beach, N.C.

Marie Faulk Thomas, Mgt 95, and **Brian C. Thomas**, CE 96, announce the birth of their daughter, Anna Dennard, on Oct. 14. The family lives in Atlanta, where Brian is a project manager with Manhattan Construction and Marie works as a commercial real estate relationship manager with Wachovia.

Scott Tyre, Mgt 93, BC 93, and his wife, Kelly, announce the birth of a daughter, Emily Danielle, on Aug. 12. Emily joins sister Bethany at the family's home in Orlando, Fla. Tyre is a project estimator at Hewitt Contracting.

Christopher Ustruck, ChE 96, and his wife, Julie, announce the birth of a son, Logan Alexander, on Oct. 22. Logan joins brother Jack at the family's home in Katy, Texas. Ustruck is a senior financial

analyst for ExxonMobil Chemical.

Kevin West, EE 90, MS EE 91, and his wife, Helen, announce the birth of their first child, Andrew Phillip, on June 10. West is a staff engineer at ARRIS in Suwanee, Ga. The family lives in Duluth, Ga.

Jill Tucker Whittington, MatE 98, and her husband, James, announce the birth of a son, Seth Isaac, on Nov. 20. Seth joins brother Nathan, 3, at the family's home in Rockford, Tenn. Whittington is a metallurgist at Alcoa Inc.'s rigid packaging can sheet mill in Alcoa, Tenn.

Todd Wright, MatE 92, and **Shari Stanley Wright**, MatE 93, announce the birth of son Brandon Edward on March 26. Brandon joins brother Alex, 2, at the family's home in Buford, Ga. Todd is a manufacturers representative. Shari is a full-time mother.

Brent Zelnak, Mgt 94, and his wife, Amelia, announce the birth of a daughter, Lauren Anne, on Dec. 17. Zelnak works for ING Investment Management as a director in the Structured Finance Group. The family lives in Atlanta.

2000s

Leslie O'Rear Brown, ME 00, and **Adam Caison Brown**, CompE 00, MS CompE 01, announce the birth of their first child, David Matthew, on Sept. 24. Adam is a computer engineer with Hewlett-Packard and Leslie teaches math for the Colorado State University Upward Bound program. The family lives in Windsor, Colo.

Todd M. Coons, Mgt 00, is currently working for U.S. Rep. Phil Gingrey, Chem 65, as a legislative assistant in the congressman's Washington, D.C., office.

Stephanie Davis, IE 00, and **Chris Neill**, PTCh 00, were married Dec. 28, 2002. Stephanie is a consultant with DCB and Company Inc. in Marietta, Ga., and Chris teaches advanced chemistry, physics and robotics at Wheeler High School in Marietta.

Denise R. Grabowski, MS CP 00, was recently hired by Lott + Barber Architects to provide planning and sustainable development services. Grabowski has worked for local governments at both the city and county levels and has presented at several national conferences on smart growth and

sustainable development issues. Grabowski also was recently appointed to the Georgia Department of Natural Resources Coastal Advisory Council.

Heather Sarah Hassler, ISyE 01, and **David Allen Tamburello**, MS ME 03, were married in October. Tamburello is pursuing his PhD at Rennselaer Polytechnic Institute. The couple live in Troy, N.Y.

Jeremy Hutcherson, ME 00, and **Dana M. McAlhany**, ME 00, were married Sept. 27 at First Baptist Church of Augusta, Ga. The couple live in Cape Canaveral, Fla., where Jeremy is a mechanical design engineer and Dana is an airframe engineer for United Space Alliance.

H. DeWayne Johnson, EE 01, started a new career with Lockheed Martin as a system engineer in the integrated systems and solutions division in the Washington, D.C., area. Johnson is a resident of Alexandria, Va.

Cory Kidd, CS 00, and **Erica Young**, ID 01, were married Sept. 21 in the Russian River Valley in California. Erica is a freelance designer and Cory is a PhD candidate at the Massachusetts Institute of Technology Media Lab. The couple live in Boston.

Matthew Mills, CS 00, and Elaine Keane Mills, Chem 99, announce the birth of a son, William "Liam," on July 19.

Jennifer J. Scott, ECE 01, and Leon M. Williams were married May 31 in Atlanta. Scott is a space shuttle flight controller at NASA's Johnson Space Center in Houston. The couple live in Houston.

Amanda Spencer, ME 01, and **Matthew Scarborough**, ME 01, were married Nov. 1. The couple live in Marietta, Ga.

Kevin Bryan Sykora, CS 00, and **Winnelynn Lim Alfelor**, IE 00, were married May 18 in Duluth, Ga. Kevin is a software developer for Radiant Systems and Winnie is a department leader for Barnes & Noble. They are residents of Alpharetta, Ga.

Jason L. Villano, Mgt 02, and **Stephanie M. Bright**, IE 02, were married March 1 in Atlanta. Stephanie is a consultant with GDS Associates Inc. in Marietta, Ga., and Jason is Georgia territory manager for WM Bolthouse Farms. The couple live in Kennesaw, Ga.



Pete George, right, presents the keys to the renovated Ramblin' Wreck to athletics director Homer Rice in 1982.

'Godfather of the Wreck'

Pete George restored Tech's Model A Ford

Pete G. George Jr., IE 47, helped Georgia Tech renovate its Ford Model A at least three times and earned distinction as the "Godfather of the Ramblin' Wreck."

Mr. George, of Atlanta, died on Dec. 19.

Henry Ford II arrived in Atlanta in December 1947 to announce that Ford Motor Co. would open an assembly plant in Hapeville, Ga. One of the first employees was Mr. George, who became plant manager in 1973. During his tenure, he oversaw the launch of the Mercury Sable and Ford Taurus. When he retired in 1987, the Hapeville plant was producing 65 Taurus and Sable cars an hour.

His daughter, Ellen George, told the *Atlanta Journal-Constitution* that her father was renowned for running a spotless manufacturing facility.

"Dad kept his plant clean enough to eat off the floors and had a standing offer of dinner for two for anyone who had seen a cleaner plant," she said. "He never had to cough up a nickel."

Deaths

1920s

Bennett Routh Adams, EE 29, of Cincinnati, on Nov. 28.

1930s

John Hill Bailey Jr., EE 34, of Nashville, Tenn., on Aug. 31. He retired as division manager for the Kentucky Utilities Co.

Thomas P. Beaudrot, EE 33, of Tupelo, Miss., on Dec. 10. He retired as a district engineer for the TVA.

Matthew J. Burger, EE 39, of Allison Park, Pa., on Jan. 29, 2003. He retired from U.S. Steel International.

John T. Clark, GE 33, of Macon, Ga., on Dec. 23. He retired from the Air Force.

Joseph Manuel Corral, EE 37, of Tullahoma, Tenn., on Dec. 29. A co-op student, he was a member of Phi Kappa Phi, Tau Beta Pi and Omicron Delta Kappa honorary societies. He worked for Schlumberger Oil

until he was called to active military duty. He served more than three years in the Pacific during World War II. Mr. Corral later worked for AEDC and Norman Engineering in Tennessee. In his retirement years, Mr. Corral served as a community volunteer for Meals on Wheels and helped construct Imagination Station.

Herbert B. Hayes, Cls 33, of Atlanta, on Nov. 19. He served as president of the Atlanta Jaycees in 1939 and was a friend to seven Georgia governors. Mr. Hayes also sat on the boards of numerous civic and government institutions, including the Atlanta Chamber of Commerce and the Georgia Highway Commission. After military service in France during World War II, he set up his own brokerage, Hayes Realty, and concentrated on commercial real estate. A devoted Yellow Jackets fan, he was saluted during a 2002 football game for 75 years of faithful attendance at Tech games.

Edward H. Mattingly, IM 38, of Atlanta, on Oct. 25.

Golf Enthusiast Adrian Morris dies at 101

Adrian S. Morris, Com 29, had a zest for life that helped carry him to the age of 101.

Mr. Morris, of Atlanta, died Dec. 9. His body was donated to the Medical College of Emory University.

He told TECH TOPICS in 2001 that he was still playing nine-hole rounds of golf with the Senior Men's Golf Association at Ansley Golf Club. The Augusta, Ga., native attended every Masters Tournament for 51 consecutive years.

Mr. Morris was photographed welcoming in 2000 on the dance floor at the Lenbrook Square retirement center.

In addition to dancing, traveling and driving his car around Atlanta well into his 90s, Mr. Morris loved the Yellow Jackets.

"Granddaddy was a big Georgia Tech football fan and went to Tech games, even in the cold, until three years ago," his grandson, Powell Fulton, told the *Atlanta Journal-Constitution*.

Mr. Morris spent half a century as a life insurance executive in Raleigh, N.C., Augusta and Atlanta and taught insurance courses for



10 years after he retired. He was the former executive director of the Atlanta Association of Life Underwriters, the Atlanta Chapter of CLU, the General Agents and Managers Association and the Life Insurance Leaders of Georgia.

He also was a member of Georgia Tech's Founders' Council and made numerous gifts to the Institute.

Working his way through college, he tutored Tech football players and was a member of Phi Kappa Phi and Omicron Delta Kappa honorary societies. Mr. Mattingly joined the Coca-Cola Co. shortly after graduation and rose to the position of assistant to the president of the parent bottler. An Army veteran, he became a field representative with the Guardian Life Insurance Co. after World War II. He retired as president of the E.H. Mattingly Agency.

Irving S. Preston, Com 34, of Onancock, Va., on Sept. 30. He was president of Transamerican Construction Corp.

Robert W. Price, TE 33, of Opelika, Ala., on Oct. 1.

1940s

B. Clifford Boswell Jr., ChE 43, of Kingsport, Tenn., on Jan. 22. He retired as a senior chemical engineer from Eastman Kodak.

Grady W. Brooks, ME 41, of Brentwood, Tenn., on Nov. 4. He was a retired Lockheed Martin engineer.

William Clarkson, ME 49, of Landrum, S.C., on Sept. 8.

Eugene Morehead Eager Sr., IM 49, of Albany, Ga., on Oct. 28. He was a member of Sigma Alpha Epsilon fraternity and served in the Naval ROTC. He served in the Navy aboard the USS Hunter Marshall

during World War II. Mr. Eager retired as vice president of the Robinson-Humphrey Co. in 1994. Survivors include a brother, George B. Eager, IM 49.

William Estes Jr., IM 40, of Atlanta, on Nov. 4. He attended Georgia Tech on football and track scholarships. He returned to campus when he went to work for WGST in 1958. The radio station's studio was located on the Tech campus and it was operated under the auspices of the state Board of Regents. While at WGST, Mr. Estes, an Army veteran, helped set up a network of Georgia radio stations that shared news reports. He retired from WSB.

George P. Ford, Chem 40, of Redwood City, Calif., on May 27. He was retired from the University of California.

Harry H. Hicks, ME 43, of Winston-Salem, N.C., on Oct. 23. Survivors include son Harry H. Hicks Jr., ME 73.

Tom L. Jones, CE 47, IM 48, of Wilmington, N.C., on Oct. 25. He served in the Navy for three years during World War II and in the Naval Reserve after the war. He worked for the Federal Aviation Administration in Washington, D.C., for 26 years. He specialized in contract relations and received several awards for his service.

Carl Ira Maddox, ME 45, of Alpharetta, Ga., on Nov. 28. He played on the Tech varsity tennis team and was a veteran of World War II and the

Korean War. Mr. Maddox retired from the Centers for Disease Control.

Thomas E. Marriott, MS EE 49, of Norman, Okla., on July 31, 2002. He was a retired colonel.

Ralph W. Pries, ME 40, of Narbeth, Pa., on Nov. 19. He retired as assistant to the chairman of Ogden Food Service Corp. in Philadelphia in the mid-1980s and became president of Mediq/PRN Life Support Services. Mr. Pries was a former president of Variety Clubs International and helped raise funds for disabled children. He also was a recipient of the March of Dimes Distinguished Service Award. Mr. Pries was named a George W. Woodruff School of Mechanical Engineering Distinguished Alumnus in 2002. He served as president of the Georgia Tech Club of Philadelphia and director of First Trust Bank and was on the boards of St. Christopher's Hospital for Children, Hahnemann University Hospital and Moss Rehabilitation Hospital.

John T. Snyder, CIs 41, of Newport News, Va., on Nov. 3.

Andrew F. Thompson, IM 43, of Cochran, Ga., on Dec. 3. He had been chief engineer of WVMG and was the retired owner and operator of Thompson Dry Goods.

Clem Coleman Weissman, ME 40, of

Springfield, Va., on Dec. 25. He taught aircraft design at the University of Maryland and also taught at the U.S. Naval Academy. A Navy veteran of World War II, he worked as an aeronautical engineer for the Bureau of Aeronautics, as the aircraft development coordinator in the Office of Naval Research and from 1959 until his retirement in 1972, Mr. Weissman was assistant director for the technical analysis and advisory group in the office of the chief of naval operations.

John Daniel White, CE 47, of Atlanta, on Jan. 16. He dreamed of being an attorney, but his father, the Seaboard Railroad superintendent, disapproved, so Mr. White pursued a civil engineering degree at Georgia Tech. He served in the Navy in the Pacific during World War II. Mr. White later worked on the Apollo lunar landing with Boeing and obtained his law degree. He retired from HUD in Atlanta.

Charles L. Wilmot, EE 41, of Decatur, Ga., on Dec. 22. He served in the Navy during World War II and was involved in the invasions of Sicily, Salerno and Normandy and the occupation of Japan. He retired as a lieutenant commander and had been a co-owner of Electronic Equipment Inc. since 1946.

1950s

Ren Alderman, IM 54, of Wilton, Conn., on Sept. 28.

John Otis Blomeke, PhD 51, of Knoxville, Tenn., on Nov. 3. He worked on the Manhattan Project at the University of Chicago and at Oak Ridge, Tenn., from 1944 to 1946. He later returned to Oak Ridge National Laboratories and became an internationally recognized authority on nuclear waste disposal. Following retirement in 1988, he continued his work as a member of the National Academy of Sciences.

Tom Flaherty, Arch 57, of New York City, on March 2, 2003, of melanoma. He was the director of Ripzone USA Inc.

Murray L. Florence Jr., Text 53, of Atlanta, on Dec. 31. Following two years as a second lieutenant in the Army, Mr. Florence worked in the family-owned business, General Paper Goods Co., serving as president from 1981 until his retirement in 1998. Memorials in his name may be made to the Georgia Tech Foundation.

Gerald V. Joiner, CE 53, of Mobile, Ala., on Oct. 17. He

retired from the Army Corps of Engineers after 37 years of service that included more than two decades at the South Atlantic Division Laboratory in Marietta, Ga., and another decade at the Mobile district office. He later worked as a consultant with Thompson Engineering in Mobile.

Bill Matthews, IE 56, of Raleigh, N.C., on Nov. 1. He was retired from IBM.

J. Wade H. McKoy, ChE 56, of Jackson, Miss., on Aug. 25. He was retired from Wade McKoy Consulting.

Ernest L. Pollitzer, MS Chem 51, PhD 53, of Milledgeville, Ga., on Dec. 17. Born in Manchuria, China, he moved from Chicago to Milledgeville 18 years ago. He had worked as a chemist for UOP Inc. Survivors include son Ernie Pollitzer Jr., MS CE 92.

Thomas W. Roberts Jr., IE 50, of Griffin, Ga., on Nov. 17. He served with the Army's 251st Field Artillery unit in the Philippines during World War II. Mr. Roberts retired as the senior vice president of manufacturing with the William Carter Co.

Loyce A. Turner, EE 52, MS EE 54, of Marietta, Ga., on Dec. 17. He received his doctorate from Kennedy Western University and held positions at Ridge Inc., IRT Corp., Advanced Research and Lockheed and later headed his own company, Vantur Electronics.

Robert E. Winn, TE 55, of Jackson, Ga., on Jan. 17. A former assistant to the Georgia Tech president, he retired from Clayton College and State University. After retirement, Mr. Winn worked as a consultant and owned a barbecue restaurant in Jackson that used a family recipe perfected by his father-in-law. Survivors include daughter Cynthia's husband, James M. Ponder, EE 69.

1960s

Guy G. Carmichael, IM 61, of Panama City Beach, Fla., on Nov. 9. He served in the Air Force in Europe for three years following graduation from Tech. He had been president of the Guy Carmichael Co.

John E. Carpenter, IM 67, of Norcross, Ga., on Aug. 8.

Bobby B. Dorsey, IM 62, of McDonough, Ga., on June 11.

Robert T. Drew, IM 64, of Hilton Head Island, S.C., on Aug. 24. He had been senior

Presidents' Secretary Janice Gosdin Sangster dies at 64

Janice Gosdin Sangster, the executive secretary to five Georgia Tech presidents and a former associate at the Alumni Association, died Jan. 6.

Mrs. Sangster, of Atlanta, was 64 years old and had retired after 30 years of service to Georgia Tech.

A native of Newnan, Ga., she was an accomplished high school athlete who was a state champion tennis player, an all-state basketball player and a champion diver who won the Peach State Crown. Mrs. Sangster was a graduate of Auburn University.

When she applied for a job at Tech, she was given a typing test. She later joked that she tried to bribe the personnel officer in order to avoid the test. "Being an English major then, everything had to be done in pen and ink," Mrs. Sangster told the ALUMNI MAGAZINE in 1983. "I came up with a magnificent typing speed of, I think, 11 words a minute with no errors."

Regardless, she was given an interview with Edwin Harrison, then president of Georgia Tech, to whom she had to acknowledge that she didn't take shorthand either. She was hired as a receptionist in the president's office. Two months later, the executive secretary to President Harrison resigned and she was awarded the position. During her tenure at Tech, she served three full-time presidents and two interim leaders.

On Dec. 24, 1981, she married William Sangster, dean of Tech's College of Engineering, who preceded her in death.

Prior to her retirement from Tech, she worked as an associate at the Alumni Association under former executive director John B. Carter Jr.

William C. Kendrick Jr., CE 81, of Clover, S.C., on May 7 as the result of a hit-and-run accident. A graduate of the Air Force Academy, he worked as an engineer with BellSouth for 14 years. Most recently he was the owner and operator of Kendrick Construction Co. Mr. Kendrick participated in church outreach programs and mission trips. He was struck by a car after stopping to help a woman whose vehicle was stalled along a country road.

Friends

Jim Brazell, 71, of Atlanta, on Dec. 2. He was an inventor with 14 patents who ran his own mechanical engineering company, PacerWorks Ltd. He was an expert witness in product liability cases and he taught mechanical design at Georgia Tech from 1971 to 1996. Mr. Brazell supervised students participating in NASA competitions. His 1995 class won a national NASA competition for design of a moon buggy.

Aldona Wise Eichler, 88, of Roswell, Ga., on Nov. 11. As the wife of the late Georgia Tech professor J. Oran Eichler, she was active in the Georgia Tech Faculty Women's Club and helped start its Newcomers Interest Group and was an early member of the Georgia Tech Book Discussion Group. She also volunteered with the Red Cross and USO. Memorials in her name may be made to the Georgia Tech Faculty Women's Club Scholarship Endowment Fund through the Georgia Tech Foundation.

Thomas William Kethley, of Decatur, Ga., on Jan. 7. He was a research scientist at Georgia Tech for 34 years. The professor emeritus had been head of the biology department.

The Rev. Robert E. Lee, 87, of Marietta, Ga., on Dec. 14. The former pastor of Atlanta's Lutheran Church of the Redeemer was a principal author of the 1957 "Ministers Manifesto" that is credited with helping the city desegregate peacefully. He wanted his congregation to be involved in downtown ministry and set up programs for area workers and residents. Those ministries included a Wednesday noon service for people who worked downtown, a counseling service that became Lutheran Services of Georgia and a ministry to youth at Tech and Agnes Scott College.

Jerry A. Turner, IM 63, of Maryville, Tenn., on Aug. 5.

Jerry Wilson, IE 66, of Perry, Ga., on Oct. 1. He was associate director of Georgia Tech's Advanced Technology Development Center. Mr. Wilson was heralded as a nurturer of businesses in middle Georgia. ATDC director Wayne Hodges said Mr. Wilson "gained the community support necessary to turn a vacant tract of land into a thriving community of software and electronics companies. The center he helped build attracts visitors from all over the world as a model of what small communities like Warner Robins can do." Survivors include son Jeremy T. Wilson, HTS 95, and daughter-in-law Shira Kapplin, STC 95, MS PP 00.

1970s

Judith Ann Waterfill, Math 73, of Playa Del Ray, Calif., on March 10, 2003. Survivors include her husband, Terry Dallas, CE 73.

1980s

Nancy Quade Gregory, EE 80, of Chattanooga, Tenn., on May 4. She was the first female electrical engineer hired by the Electric Power Board of Chattanooga.

director of worldwide quality assurance for Merck and Co.

Richard E. Manning, Cls 66, of Lilburn, Ga., on Nov. 27. He attended the U.S. Military Academy and was an Air Force veteran. Mr. Manning worked for General Motors for 31 years.

George H. McCutchen II, IM 65, of Lawrenceville, Ga., on Dec. 2. He was a national bank examiner and worked at First National Bank of Lawrenceville and Blue Cross-Blue Shield of Georgia.

Ron Miller, ME 68, of Gurley, Ala., on Sept. 18. He was the manufacturing manager of National Copper.

John M. Mule, EE 62, of Hawthorn Woods, Ill., on Nov. 23. He was president of Circuit Sales Inc.

Lynn Field Price, IM 66, of Lawrenceville, Ga., on Nov. 16. He retired as a SunTrust Bank trust officer in 2000 after 30 years of service. Mr. Price served in the Navy from 1966 to 1970.

Clyde Edward Turner Jr., Psych 69, of Decatur, Ga., on Oct. 17 of injuries sustained in a car accident. Mr. Turner received a merit scholarship to attend Tech and later received a master's degree from Emory University. He worked with tuberculosis patients with the Georgia Health Department.

James William May, 91, of Hickory, N.C., on Oct. 22. He served as the general secretary of the YMCA at Georgia Tech from 1935 to 1938. The YMCA facility is now the site of the Georgia Tech Alumni Association. A 1933 graduate of Emory University, he received a master's degree in divinity from Union Theological Seminary and his doctorate from Columbia University. He served in the Army Chaplain Corps during World War II and was a professor of liturgics and American church history at Candler School of Theology for 32 years.

Albert Roe "Sonny" Seaman, 87, of Atlanta, on Oct. 20. He earned his private pilot's license by age 18 and through the Civilian Pilots Training Program, established in 1939, he taught Georgia Tech

students to fly before being hired by Eastern Air Lines. In 37 years with the airline, Mr. Seaman flew 29,000 hours. Certified to fly more than 16 kinds of aircraft, Mr. Seaman grew up around pilots. His mother was a pilot and owned Georgia Flying Service, based at Atlanta's Candler Field, where Mr. Seaman met such legendary airmen as Charles Lindbergh and Howard Hughes.

Student

Robert V. MacKay, Cls 05, of Greensboro, Ga., on Jan. 5. He was a student in the Ivan Allen College.



It's the way you let your Georgia Tech classmates know what you've been up to. The Ramblin' Roll and TECH TOPICS is the best way to keep up with classmates, roommates and teammates, and help them keep up with you. Whether you've made an addition to your family, gotten a promotion, changed occupations, started a business, written a book or won an award, it's time for you to **Bee in Touch**.

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The Yellow Jackets

News from the World of Tech Sports

GARY MEEK

Tooth Wisdom

Aaron King has been Tech's team dentist for 39 years

By Doug Carlson

Atlanta dentist Aaron King remembers the excitement he felt more than 40 years ago when a young patient came in with good news. Bill Curry had been offered a football scholarship to play for Georgia Tech.

King was pleased not only for the Curry family, loyal patients for years, but also a bit for himself. King already loved Georgia Tech and thought there was no better coach in America than Bobby Dodd.

Knowing one of his patients would be playing for the Yellow Jackets was an exciting prospect. King enjoyed going to the games, but now it would include the personal thrill of seeing one of his patients wearing the gold helmet.

King had no idea just how personal the relationship would become.

Curry became Tech's team captain in 1964. A year later, Dodd invited King to become Tech's team dentist. Since then, King's passion and profession have blended into a satisfying life.

"I kind of adopted Georgia Tech as my family and it's been very nice for me over the years," said King, 72, who just completed his 39th season as team dentist.

King grew up in Atlanta an only child. He never married, instead committing his time to his dental practice and to the Georgia Tech athletic program.

Holidays and special occasions invariably revolve around Tech sporting events or include friends and acquaintances gained through relationships King cultivated during his years on the job.

"Aaron King is a treasure. He is one of the university's greatest assets," said former Tech basketball coach Bobby Cremins, echoing a sentiment that many who have known King over the years feel about him.

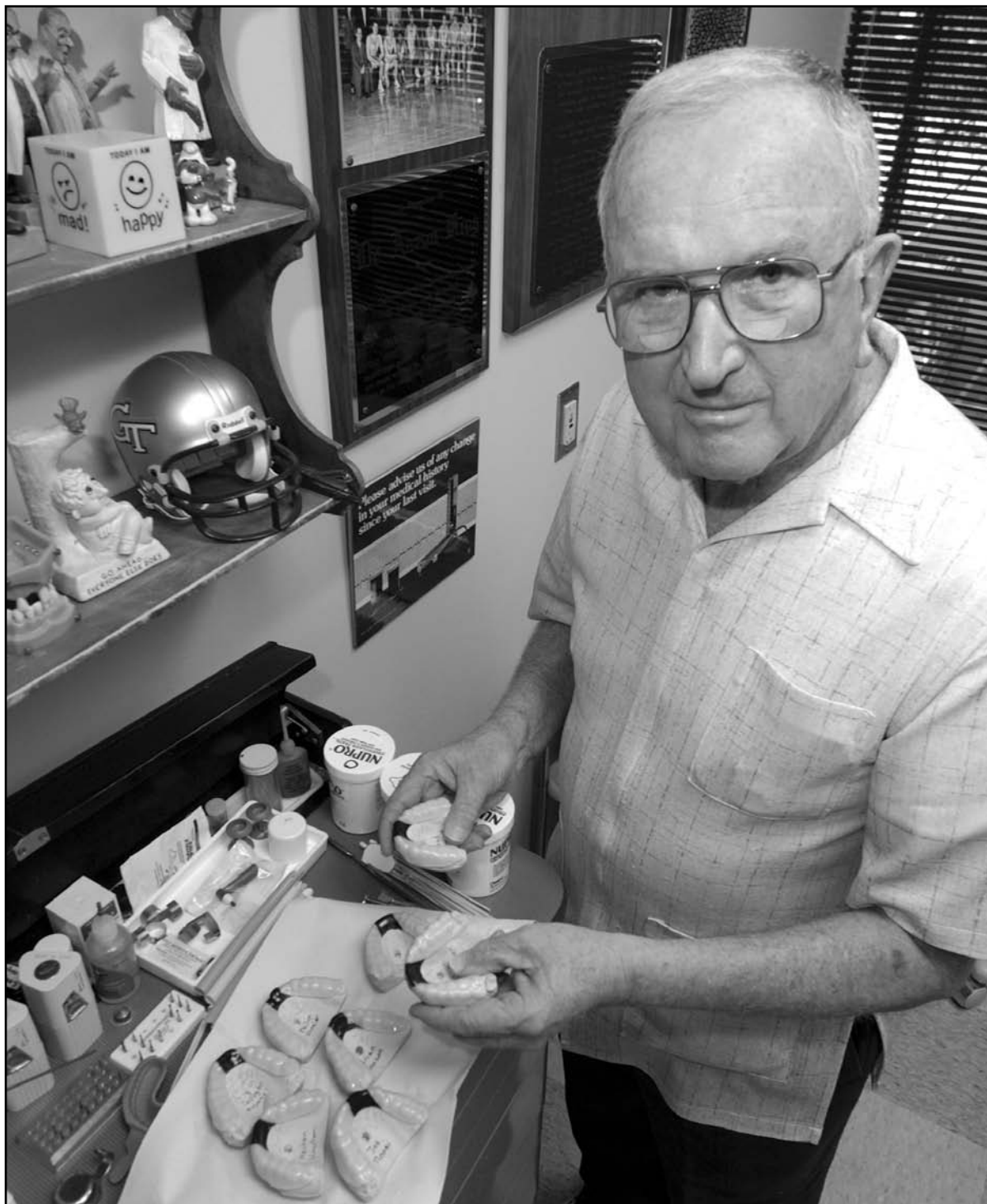
Dozens of former players and current and former coaches are among King's patients. Curry, his wife and children also are patients. And sometimes the call of duty extends beyond the Tech family.

A few years ago, King stepped in to perform an emergency root canal on ESPN college basketball analyst Dick Vitale, who was in town to call a Tech basketball game. King did his work and Vitale was as loquacious as ever by tip-off.

King regrets not having the opportunity to graduate from Tech, but the school at that time didn't offer the pre-dental courses he needed. Instead he went to Emory, which had no athletic program, and maintained his passion for the Yellow Jackets.

Evolution in the safety equipment worn by football players and King's knowledge of the role mouthpieces could play in protecting more than just teeth coincided to play a large role in the bond he would share with Georgia Tech.

"Back in the old days, you saw a lot of teeth getting knocked out. I recall a cover of *Life* magazine in the '40s with a spread of the Notre Dame football team — none of them had any teeth," King remembered. "That was before the face mask and before mouthpieces."



Dentist Aaron King has been supplying Georgia Tech athletes with mouthpieces since the early 1960s.

College football advanced from the leather helmets of that era to plastic ones with face masks, but protecting the mouth and teeth remained difficult.

At the time Curry accepted his scholarship to Tech in 1960, King already was knowledgeable about the value of mouthpieces.

He made one for Curry, who shared the idea with teammates. Many went to King to get one of their own and by the early 1960s King was regularly attending Tech practices.

"Today it's very rare that we get a serious mouth injury. In 39 seasons at Tech we've never had a football player or basketball player get a tooth knocked out when they had a mouthpiece in," King said.

King also credited the device with helping to prevent concussions by absorbing the shock of a jaw being slammed upward toward the brain.

The device also deserves some credit in the role it has played in King's introduction to the Tech athletic

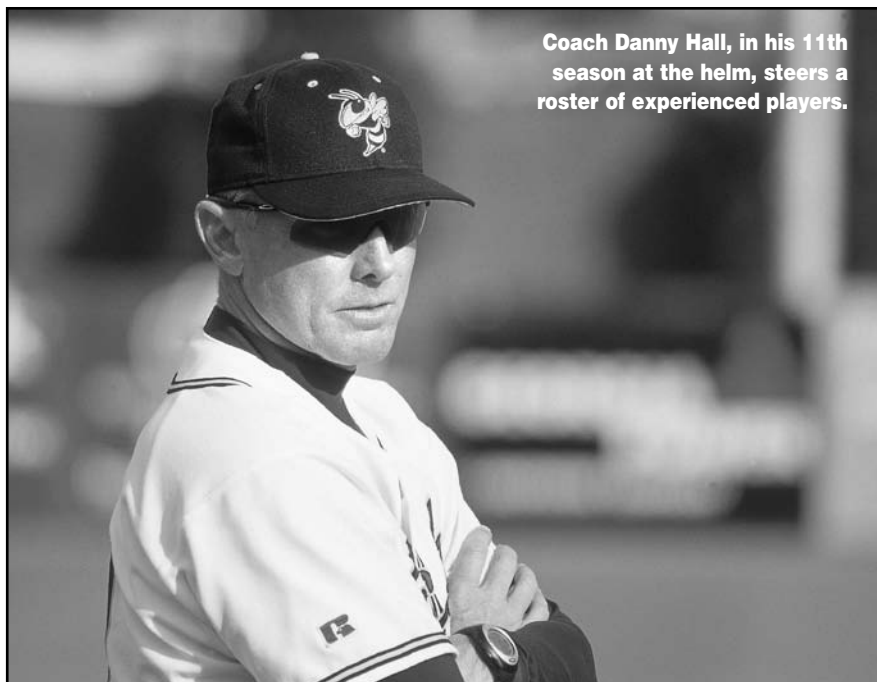
family and numerous athletes and coaches would have been deprived of a valued relationship.

"I was from Oklahoma and I was a long way from home when Aaron took me under his wing a little bit and let me hang out at his house, watch television and kind of gave me a place to go," said former Tech and NBA player Mark Price, who recently was named one of five members of the ESPN Silver Anniversary Atlantic Coast Conference basketball team.

"We struck up a friendship and we're still very good friends," Price said.

King still has trouble believing it's been so long since Curry came in with the good news in 1960. In all that time, he said, he's never had a bad patient.

"Even the best athlete is humbled at being in a dentist's chair," he said. "The best part of what I do is that I'm always around the players and coaches and it keeps me thinking young."



Coach Danny Hall, in his 11th season at the helm, steers a roster of experienced players.

Great Expectations

Highly ranked Yellow Jackets return 20 players

By Neil B. McGahee

Twenty lettermen, including nine offensive starters, from last year's ACC championship baseball team return to Georgia Tech for the 2004 season. The Yellow Jackets are ranked among the top five teams in the nation in two collegiate baseball publications' preseason polls.

Baseball America's preseason Top 25 poll ranked the Jackets at No. 5 while *Collegiate Baseball* listed Tech at No. 4.

Five players — pitcher Micah Owings, second baseman Eric Patterson, catcher Mike Nickeas, outfielder Jeremy Slayden and shortstop Tyler Greene — were named to *Baseball America's* preseason All-America team. Owings, Patterson and Slayden were named to the first-team, while Nickeas and Greene were second-team All-America selections. Owings and Patterson were also named to *Collegiate Baseball's* All-America team.

Danny Hall, starting his 11th season as head baseball coach, has led the Jackets to two ACC championships and two trips to the College World Series. He has great expectations for this season.

"You look at the last two years, and you'll see that these players have played major roles in winning an ACC championship and going to Omaha," Hall said.

All four infield starters — first baseman Clifton Remole, Patterson, Greene and third baseman Jake Hall — return to give the Jackets a solid defensive front.

"You always look at a baseball team from the middle of the diamond," Hall said. "I think we have one of the best catchers in the country in Mike Nickeas. He is a great defensive player. Patterson and Greene had a great summer playing on the USA team. Clifton Remole is one of the best defensive first basemen I've ever had."

Although pitchers Kyle Bakker, Chris Goodman and Jeff Watchko are gone to the big leagues, Hall is confident about the returning staff.

"We have a lot of quality in our pitching," he said. "If you look at our veterans, we can go eight or nine deep with guys who have pitched for us in the past.

"We're going to have to find a closer. Brian Burks was the closer last season, but I made him the No. 2 starter in the weekend rotation.

"Burks is the ultimate team guy," he continued. "As a sophomore he was in our starting rotation and won 10 games. I loved having him in the bullpen. But if we need to win a big game, then I would just as soon have him out there on the mound."

Owings was Tech's No. 1 starter last year, anchoring the Jackets with a 9-3 record and a 3.99 ERA.

"Micah Owings is just a fantastic player and an even better person," Hall said. "He was one of our better pitchers last season, and I look for him to pick right up where he left off."

Three right-handers — junior Andrew Kown, senior Philip Perry and sophomore Jason Neighborgall — also start for the Jackets.

"Kown keeps getting better and better," said Hall. "This is his chance to step up and take over one of those

weekend spots in the rotation. Perry is the wild card on the staff. If he is healthy, then he can beat anybody in the country. Neighborgall may have the best arm in the country. He pitched the championship game of the ACC tournament for us last year. He's a great competitor. We're waiting for him to really blossom and become a dominant pitcher."

Four veteran relievers — lefties Aaron Walker and Ryan Self and right-handers Nick Wagner and Jordan Crews — return to the bullpen.

Tech lost All-American left fielder Matt Murton to the Boston Red Sox, but the Yellow Jackets still return three veterans to the outfield — juniors Slayden and Brandon Boggs and sophomore Steven Blackwood.

The Yellow Jackets face a daunting schedule that includes some of the nation's top teams. In addition to ACC opponents, Tech plays 26 games against teams that made the NCAA Tournament last season and 18 games against teams ranked in the preseason Top 25.

"We have all the ingredients in place to have a good team," Hall said. "What really counts is how hard we work."

The Yellow Jackets opened the 2004 season on Feb. 14 at Georgia Southern.

Elite Recruits

Eleven high school seniors, including nine of the top 115 prospects in the nation, have committed to play baseball at Tech next year, according to Perfect Game USA, a scouting service affiliated with *Baseball America* magazine.

The recruiting class includes five pitchers, three infielders, two outfielders and one catcher.

Tech's in-state commitments includes six of the top 16 prospects in

Georgia while three out-of-state signees are ranked among the top three prospects in their respective states.

"We've got a tremendous group of players, but it's also a tremendous group of students," coach Danny Hall said.

"This is a year where we are planning on losing a bunch of players, but we can count on many of these guys to be able to step in right away and keep our program at an elite level."

Yellow Jacket Volleyball Earns National Respect

Georgia Tech's volleyball team battled to the finals of the Elite Eight of the 2003 NCAA Tournament before falling to a perennial powerhouse, No. 2-ranked Hawaii, in four close games.

The Jackets ended the season with a 34-4 record, the ACC regular season championship and a No. 8 ranking in the final *USA Today* / AVCA Coaches Poll.

"Obviously, we are excited," said head coach Bond Shymansky, who led Tech to the highest final ranking in school history. "We had a fantastic season this year and experienced many 'firsts' along the way. Hopefully this is just the start of many successful seasons."

The Jackets won the opening game against the Rainbow Wahinis 34-32, almost won the second, losing 31-33, then dropped the final two games.

Four Tech players were named to the American Volleyball Coaches Association All-America teams.

Senior setter Kele Eveland earned first-team honors

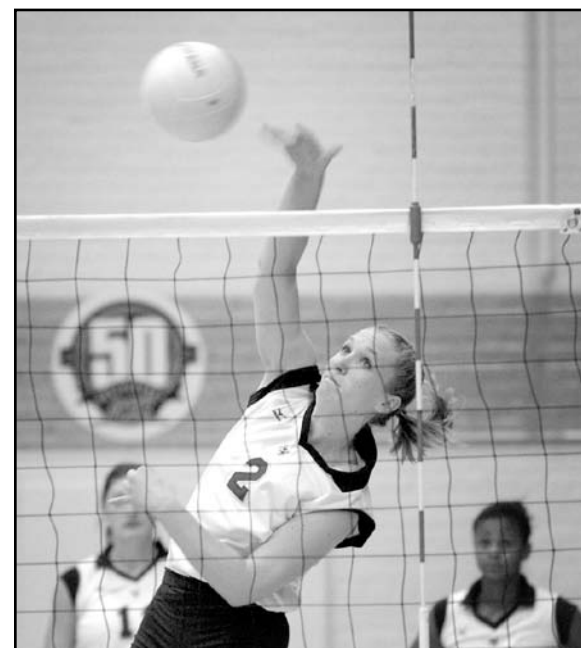
and became the first player in Georgia Tech history to be named a first-team All-American. The 2003 ACC Player of the Year led the nation in assists per game and finished fourth on the NCAA career assist list.

Junior outside hitter Lynnette Moster, a two-time AVCA All-American, won third-team All-America honors by recording 541 kills and 409 digs.

Alexandra Preiss earned an honorable mention selection. The senior middle blocker led the team in hitting percentage with a .417 average and was a first-team All-ACC selection.

Lauren Sauer, also an honorable mention selection, finished the season with 541 kills. The junior outside hitter earned All-ACC and all-region honors and is ranked No. 10 on Tech's career kill list.

"Last year we elevated our program into one of national recognition," Shymansky said. "This year, we've elevated it to one of national respect."



All-American Lynnette Moster spikes the ball.

Bowl Win Shatters Records

Records were broken like icicles in Idaho as Georgia Tech routed Tulsa 52-10 in the Humanitarian Bowl on Jan. 3.

Tech running back P.J. Daniels ran for 307 yards and four touchdowns on the frozen blue artificial tundra of Boise's Bronco Stadium. Daniels' yardage broke the previous Tech rushing record in a bowl game — 199 yards by Eddie Prokop in the 1944 Sugar Bowl, a 20-18 win over Tulsa.

Daniels' feat was the second highest in school history, surpassed only by Eddie Lee Ivery's 356 yards against Air Force in 1978.

The 52 points were the most ever scored by a Tech team in a bowl game, surpassing the 45 points scored against Nebraska in the 1991 Florida Citrus Bowl.

The defense set a school bowl record with seven sacks and even



Yellow Jackets, left to right, Daryl Smith, Hugh Reilly and P.J. Daniels celebrate with the Humanitarian Bowl trophy after the team's Jan. 3 win.

broke a Tulsa record. The Jackets stopped the Golden Hurricane's vaunted running attack that had averaged almost 200 yards a game to minus-56 yards, its worst rushing total ever.

"That front four and those linebackers are probably the best we've seen," James Kilian, Tulsa's quarterback told the *Atlanta Journal-Constitution*.

The win gave the Jackets their eighth-consecutive winning season and created offseason optimism because most of the players will return next season.

"I told the team before kickoff that we can go through the next seven months winless or undefeated," coach Chan Gailey said. "A win like this gets us off on the right foot." **GT**

Tech Women Preseason No. 19

The Georgia Tech women's track and field team received a preseason ranking of No. 19 by the Trackwire Web site's first poll of the season. The ranking is a prediction of where teams will finish at the NCAA Championships in the spring.

"It's exciting to be 19th and have athletes that are predicted to score at the national level," said coach Alan Drosky. "There are some very talented individuals on our team that are poised to have an outstanding season."



All-American high jumper Chaunte Howard shows her

ROB SKINNER

Recruiting Success

Tech signs 23 players for fall football

By Neil B. McGahee

Still beaming from the surprising last-minute signing of two of the premier defensive ends in the country, Georgia Tech head football coach Chan Gailey pronounced the 2004 recruiting season a success.

Blue chippers Darrell Robertson of Jonesboro, Ga., and Darryl Richard of Destrehan, La., faxed letters of intent to Gailey moments before a press conference on National Signing Day Feb. 4.

Robertson, 6-5, 205 pounds, was a first-team Class AAAAA All-State pick last year and had verbally committed to Florida State. Richard, 6-4, 285 pounds, was a prep All-American and was rated the No. 9 defensive lineman in the nation by ESPN.com. He chose the Jackets over Georgia, Miami, Colorado and Notre Dame.

In all, 23 high school athletes from eight states committed to play football for Tech. Eighteen are ranked in the top 100 prospects in their respective states. One player, quarterback Taylor Bennett, is already enrolled so he doesn't count against Tech's scholarship total.

"Our three areas of emphasis were the defensive line, the offensive line and wide receiver and we got some quality players for those positions," Gailey said. "They had to choose among some great schools and we were fortunate to get them."

Both lines were bolstered by the addition of five players nearing 300 pounds each.

"In today's game they have to be big and they have to be fast," Gailey said. "Andrew Gardner from Tyrone, Georgia, is 6-6, 250 pounds. Kieran Delaney, from Rhode Island, is already a 300-



Head football coach Chan Gailey fields questions from the media on National Signing Day.

pounder. Jacob Lonowski from Nebraska was a 300-pounder until he cut his weight to 275 for wrestling. Nate McManus of Birmingham, Alabama, weighs 290. A couple of them are tall and not as heavy, but we're going to grow those guys into 300 pounders too."

Gailey was pleased with the signing of three linebackers, particularly Travis Chambers, 6-0, 215 pounds, from Decatur, Ga.

"We're very excited about getting Travis," he said. "If you time him and jump him and put him on the bench press, none of those stats will jump out at you, but watch him on film and you will see he has dominated his level of play."

Gailey said the addition of Miami and Virginia Tech to the ACC played a role in signing such quality athletes.

"I think any time you give a young man a chance to be the best of the best — and that's what our conference does — that's a big draw," he said. "You throw in the quality of the education they get here and it is almost too hard for a student athlete to turn it down."

Signing to play football for the Yellow Jackets

were: Elris Anvaibe, of DeSoto, Texas, a defensive lineman ranked among the Texas Top 100 by *SuperPrep*; Kyle Belcher, a kicker from Albany, Ga.; prep All-American defensive tackle David Brown from Madison, Ala.; Travis Chambers, of Decatur, Ga., defensive player of the year in Class AAAAA; wide receiver Patrick Clark, of Jacksonville, Fla., a *SuperPrep* Florida Top 100 player; running back Mike Cox, of Lewisberry, Pa., ranked No. 35 in Pennsylvania by Rivals.com; Kieran Delaney, of Avon, Conn., an All-New England offensive tackle; honorable mention All-State offensive lineman Andrew Gardner from Tyrone, Ga.; running back Drew Gause, of Spring, Texas; fullback Justin Guadagni, of Glassport, Pa.; Gary Guyton, of Hinesville, Ga., a linebacker ranked in the Top 100 in Georgia by TheInsiders.com; and Calvin Johnson, of Tyrone, Ga., ranked as one of the top 10 wide receivers in the nation by virtually every recruiting analyst.

Also signed were wide receiver James Johnson, of Oconee, Fla., ranked No. 55 in Florida by *SuperPrep*; safety Djay Jones, of Kingsland, Ga., ranked No. 37 in Georgia by *SuperPrep*; defensive back Jamal Lewis, of Jonesboro, Ga., ranked in the Georgia Top 100 by TheInsiders.com; offensive tackle Jacob Lonowski, of Elkhorn, Neb., ranked the No. 10 player in Nebraska; All-State quarterback Kyle Manley, of Buford, Ga.; offensive lineman Nathan McManus, of Mount Brook, Ala., ranked No. 28 in Alabama by *SuperPrep*; honorable mention All-State tight end Jon Morrison, of Marietta, Ga.; prep All-American Darryl Richard, of Destrehan, La.; Darrell Robertson, of Jonesboro, Ga., ranked the No. 16 defensive end in the nation by Rivals.com; defensive end A.J. Smith, of Tampa, Fla., ranked No. 70 in Florida by *SuperPrep*; and safety Eric Williams, of Metter, Ga., ranked No. 23 in Georgia by TheInsiders.com.

NEIL B. MCGAHEE



Positive Projections

Alumni Career Conference emphasizes networking

The annual Alumni Career Conference has grown into much more than a job fair, says Jennifer Gillilan, director of Alumni Career Services.

"Alumni aren't just coming for the career fair anymore," said Gillilan, Mgt 93. "Even if they aren't in an active job search, there are many other opportunities that they can benefit from."

One of the primary advantages of attending is the opportunity to network.

"Alumni can connect with each other at a breakfast meeting, at a luncheon for young alumni, at one of the workshops or while they are in the registration area," Gillilan said. "Networking with other alumni may be the most valuable encounter they have."

The 21st annual conference will be held from 7 a.m. to 5 p.m. April 13 at the Cobb Galleria Centre.

Garry Betty, ChE 79, CEO of EarthLink, will be featured in an interview and question-and-answer session conducted by Joseph P. Irwin, IM 80, vice president and executive director of the Alumni Association, at an 8 a.m. breakfast session. Tickets are \$7.

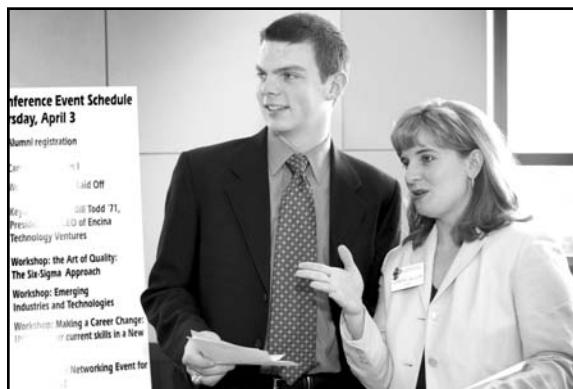
The career fair for alumni to meet with company representatives is from 9 a.m. to 1 p.m.

"Traditionally, 20 percent of alumni attending the Career Conference receive job offers from participating companies," Gillilan said.

Young alumni, those who have graduated since 1996, are invited to a networking lunch featuring Colleen Sabatino, owner of Advanced Career Development. Tickets for the 1 p.m. luncheon are \$10.

Workshops will be held in the afternoon on Business Ethics Today, 1:30 to 2:30 p.m.; Becoming a Better Leader, 2:30 to 3:30 p.m.; and What Recruiters Look for in a Competitive Job Market, 3:30 to 4:30 p.m.

"We've added the breakfast, the alumni lunch and workshops to this year's Career Conference to create other learning and networking opportunities," Gillilan said.



Student assistant Kenneth Mobley receives instructions from Jennifer Gillilan, director of Career Services.

The conference is a chance for alumni to see what companies have growth opportunities and what kinds of positions are available, she said.

"Many alumni, particularly over the last couple of years, have found themselves without a job with little or no warning," Gillilan said. "It's a good idea for alumni — even though they may be happy with their current jobs — just to come by and see which companies are hiring."

Economic indicators are positive, said Karl Paul, IM 69, assistant executive director for Alumni Relations, Alumni Career Services and Human Resources. After two years in the doldrums, the job market finally appears to be turning.

"The economy has been turning for six or eight months, the experts say, but the job picture has not," Paul said. "It's usually about a six- to eight-month lag and that's exactly what has happened."

"The human resource executives of many major corporations and small companies have said their projections for hiring this year are more positive than what they had projected during the last two years."

Paul said the Career Conference would provide one full day packed with meaningful activities. "There is no slack time," he said.

One goal of the conference is to create a network environment and continue to foster a network experience that can help alumni as they pursue career opportunities throughout their lives, Paul said. **GT**

Career Conference Schedule

Cobb Galleria Centre, Atlanta
Tuesday, April 13

7 a.m. to 12:30 p.m. — Career fair registration

8 to 9 a.m. — Breakfast and keynote speaker
Garry Betty, ChE 79, CEO, EarthLink, \$7

9 a.m. to 1 p.m. — Career fair session during which alumni meet with company representatives

1 to 2 p.m. — Young Alumni Network luncheon featuring Colleen Sabatino, owner of Advanced Career Development, \$10

2 to 5 p.m. — On-site interview sessions

1:30 to 2:30 p.m. — Workshop: Business Ethics Today

2:30 to 3:30 p.m. — Workshop: Becoming a Better Leader

3:30 to 4:30 p.m. — Workshop: What Recruiters Look for in a Competitive Job Market

Online Resumes Face March 15 Deadline

Alumni can register for the Career Conference and submit a resume online until 5 p.m. March 15 at www.gtalumni.org/careerconference.

Online resumes will be included in a CD-ROM that will be presented to companies participating in the Career Conference, said Lara Hanley, assistant director of Alumni Career Services.

Resumes must be limited to one page and included with a registration form.

Alumni may also participate in a walk-up registration at the conference and should bring extra copies of their resumes to distribute among participating companies.