

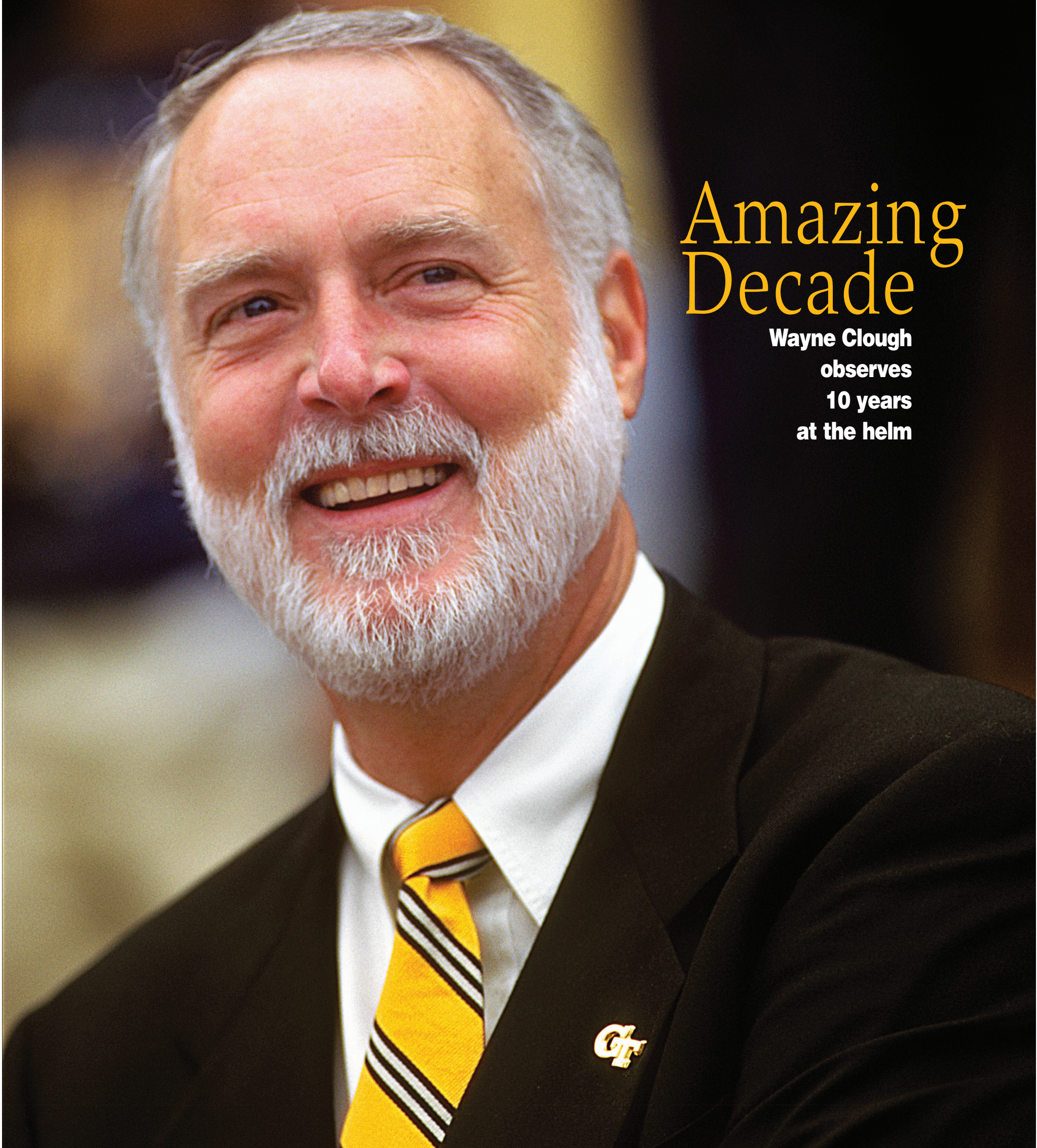
TECHTOPICS

Georgia Tech Alumni Association

Fall 2004

Amazing Decade

Wayne Clough
observes
10 years
at the helm



TECHTOPICS

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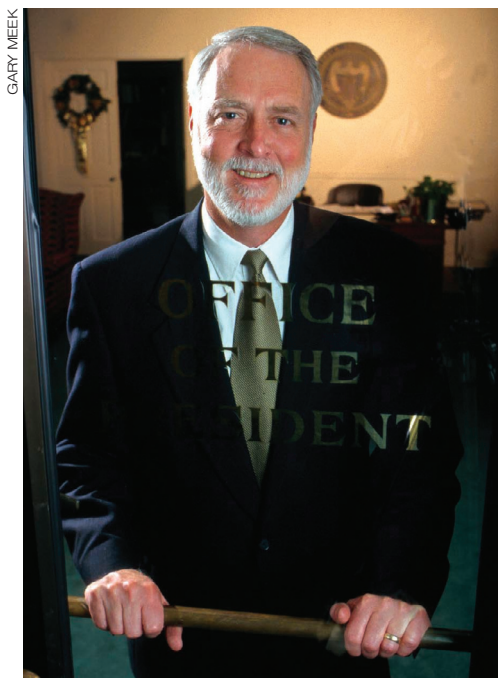
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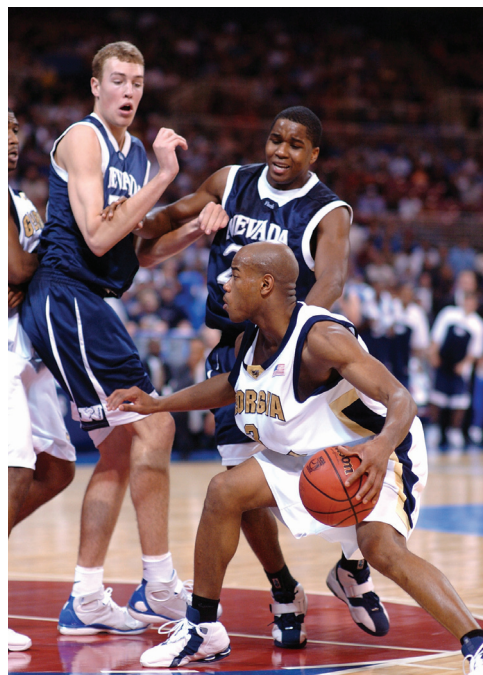
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President Wayne Clough celebrates his milestone 10th anniversary at Georgia Tech. The first alumnus to serve as president, Clough is a helluva engineer who has led the Institute during a phenomenal period of growth, development and expansion. **Photo by Michael Schwarz**

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The Alumni Association board of trustees has changed the bylaws to reflect the shifted emphasis from a volunteer-driven to a mission-driven organization.

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Homecoming is Oct. 14-16 and features a slate of entertaining and informative seminars, key reunions, a pregame tailgate party, the national award-winning Buzz Bash festival and an ACC matchup against the Duke Blue Devils.

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18 OMED Turns 25

OMED started out addressing the social and academic needs of minority, primarily black, students. It has become the most effective program of its kind in the country.

21 Insider Insights

Alumni know the inside story of Georgia Tech. When alumnus Lee Rich volunteers his time to tell it to prospective students, it's genuine and it's personal and it's uniquely effective.

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An alumnus and a former Georgia Tech professor have teamed up to turn old shipping containers into a school and an orphanage in Jamaica.

35 Mining Diamonds

Alumnus Calvin Mackie, who started out as a diamond in the rough, received a Presidential Award from the White House and knows the importance of mentoring young people.

45 Best Year Ever

Fifteen of Georgia Tech's 17 varsity sports teams advanced to postseason play in 2003-04, a school record. Five Ramblin'Wreck programs recorded top 10 finishes last season.

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Unforgotten Diner

I NOTICED THE LETTER BY CLAY SMITH, EE 50, in the Summer 2004 issue in which he asked about the name of a diner across North Avenue from the stadium. The editor of TECH TOPICS guessed that it might have been Pilgreen's. I attended my brother's graduation from Tech in June 1951 and we had dinner at a restaurant across North Avenue from the stadium (actually, across from The Varsity). That diner was The Cotton Patch, which was gone by the fall of 1956 when I arrived on campus as a student.

ALAN WEINBERGER, AE 59
Reston, Va.

Correctly Recalled

CLAY SMITH IS CORRECT (LETTERS, TECH TOPICS, Summer 2004). There was a restaurant on North Avenue across from the stadium. It had booths along the walls and was inexpensive. I don't remember the name either, but it wasn't Pilgreen's.

PETE ADAMS, IE 51
Tampa, Fla.

Memorable Feasts

CLAY SMITH'S COMMENTS REGARDING EATING places near Georgia Tech (Summer TECH TOPICS) brought to mind a grill on Lucky Street beside the downtown YMCA. It was a one-room short-order place named University Grill. Karen and Paul worked long hours running it. While I lived at the Y, all but my last year at Tech, it was a home away from home.

I remember it fondly, but the University Grill was razed in 1984 or '85. According to Paul it was just falling apart.

There was also an ice cream place on the east side of Piedmont Park (not the one to the west of Peachtree in Midtown, which last I heard was still there). It was smack in the middle of a Y in the road around Piedmont Park. My wife-to-be and I went out there and swirled together our banana and chocolate milkshakes.

I remember Grumpy's and JJ Pippin's and Chollies on North Avenue and Lucky Street near the Tech Tower. Pippins had a great pizza sauce. And Chollies had stromboli to die for.

And I'll never forget going to the Country Place/Midtown in jeans and T-shirts. Gotta love college.

MIKE WOOLSEY, ME 84
Fairfax, Va.

Recycling Resources

MY WIFE AND I VISITED THE CAMPUS DURING the weekend President's Scholarship candidates were interviewing in late March. Amidst the multitude of new buildings that have been erected since my graduation, and the absence of a few older ones, I was glad to see several green recycling cans outside the library and other locations about campus.

My first exposure to the recycling movement was during my years at Georgia Tech, when recycling Dumpsters were placed outside the student center in the parking lot. I still am a fervent supporter of recycling, even having a set of recycling cans in my garage for plastic, paper and metal cans similar to those we saw outside the library.

My conviction to recycle is probably one of the most important lessons I learned while at Georgia Tech. I will probably never be famous or wealthy, but my devotion to recycling and respect for the environment is something that gives me some measure of pride. I am glad that Georgia Tech is helping to better manage our planet's resources, and the student body and alumni should challenge themselves to promote and practice recycling to even higher levels.

JAMES BRADLEY SUMMERS, PSY 93
Mobile, Ala.

March Was Out of Step

I AM QUITE DISAPPOINTED WITH THE MESSAGE sent in the article "March to Glory" (Summer TECH TOPICS). I realize the article is focused on the National Collegiate Athletic Association march over the years and not other wonderful teams the Georgia Tech basketball program had in its history.

I was a part of the 1970 and 1971 teams with Rich Yunkus and company. Although we only went to the National Invitation

Tournament, we still had quite a good team. And many at that time thought that the NIT was bigger than the NCAA. I also believe that these teams contributed to the major successes that occur today by establishing basketball credibility in a football school. Yet year after year, Web page after Web page, magazine article after magazine article, these teams have been overlooked.

The article jumps from the 1960 team to 1985, with no history in between of wonderful basketball. This is the wrong message being sent to the alumni and especially to those who contributed to the success of the coach John "Whack" Hyder years. Those were excellent teams, played by some of the best and coached by one of the best.

JIM VAN DER PLAATS, AE 70
Carlsbad, Calif.

You are right. The article specifically highlighted great NCAA teams and, in the process, did not mention some of Tech's other renowned teams. The most obvious omission was the Whack Hyder-coached NIT tournament team. Led by Rich Yunkus — the Benton Bomber — the Jackets notched three straight upsets on their way to the NIT finals and chalked up a total of 23 wins for the season.

Hispanic Potential

I AM A HISPANIC GEORGIA TECH ALUMNUS responsible for Nextel's Hispanic marketing and it was almost sad to see your BUZZwords article in July that said 108 Hispanic students will join the freshman class. When I enrolled in 1977, there were about 500 undergraduate Hispanic students enrolled. At the time, Tech's undergrad ranks were at 9,700. I'm glad to see the number of Hispanic students growing, but there was a day when you would visit the student center and on the grass hill in front of the bookstore, all you would hear was Spanish.

MIGUEL AVILA, IM 81
Tampa, Fla.

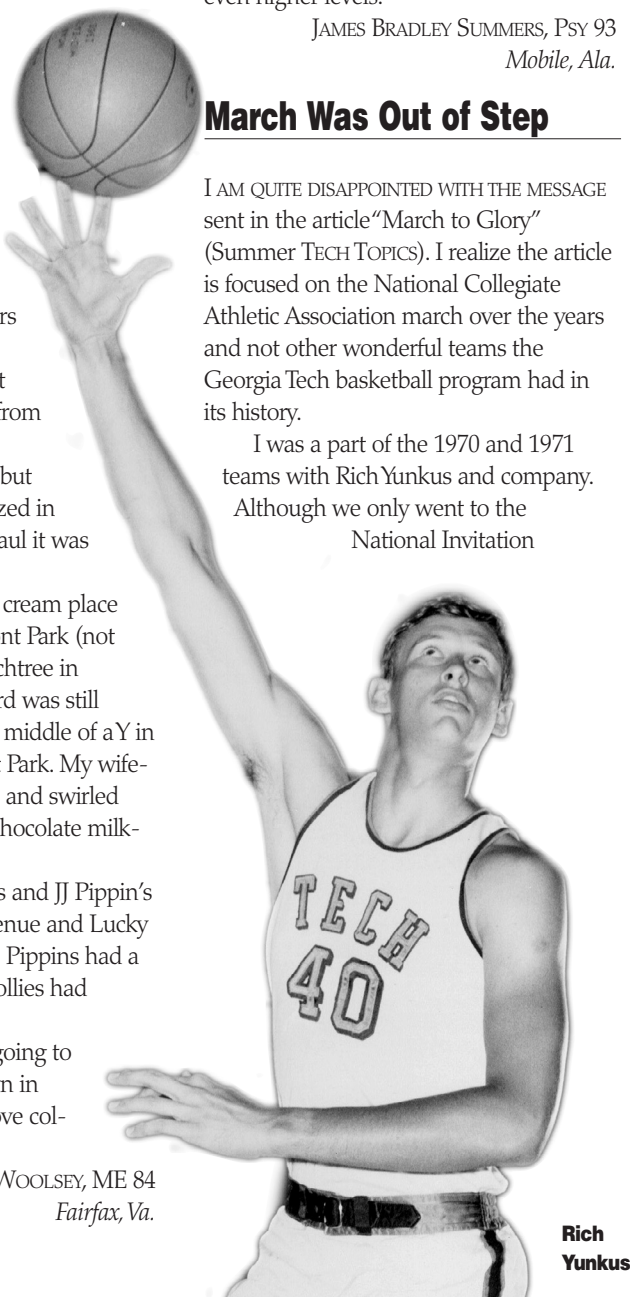
If you are not receiving your monthly Georgia Tech Alumni Association electronic newsletter BUZZwords, please send your e-mail address to bioupdate@alumni.gatech.edu. An article on the 2004 freshman class is on page 20. GT

YOUR LETTERS WELCOME

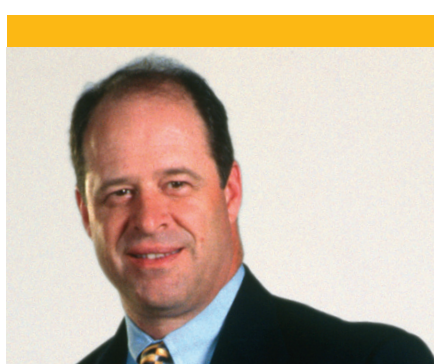
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Rich
Yunkus



Civic Responsibility

Winston Churchill remarked, "It has been said that democracy is the worst form of government except all the others that have been tried."

He had quite a sense of humor and a sense of himself over the years. And certainly this comment is appropriate for our environment today.

If you're anything like me, you're always studying our national political scene — digesting, thinking, evaluating — attempting to make sense of the right and the left and the middle. It becomes particularly interesting every four years when the presidency is up for grabs. And boy is it interesting now.

We have wars going on in which our valiant soldiers (including some of your fellow alumni) are risking their lives every day.

We have an economy that's showing signs of improvement.

We have challenges to our social structures — from education to health care to infrastructure and more.

Here's my public service announcement for the year. Vote! Get out and cast your ballot this fall. There's nothing to be gained by abdicating your civic responsibility. And if you look at the numbers, you'll be surprised. In the last presidential election, only 51 percent of the eligible voters cast their ballots. At the time, there were more than 200 million eligible voters in the United States.

After all is said and done, my sense of it is that no matter who ends up as president of the United States, it's our American values that will sustain us — those values of justice, peace, self-defense, societal welfare and freedom. We're a very fortunate people in so many ways. But we have to take part in the governing process to stay that way.

JOSEPH P. IRWIN
President
Georgia Tech Alumni Association

Bylaw Changes Underscore Mission-driven Purpose

SWEEPING CHANGES TO THE BYLAWS of the Georgia Tech Alumni Association, which had not been updated in almost 20 years, were approved in June by the board of trustees.

The changed bylaws shift the emphasis from the volunteer-driven association of 1985 to today's mission-driven organization, said Joseph P. Irwin, president of the Georgia Tech Alumni Association.

"Our operating procedures, and the fact that we have a full-time professional staff now, versus 20 years ago when we

were a much smaller organization, are far different," he said. "The mission-driven emphasis is to serve and promote Georgia Tech alumni and the Institute."

While the primary changes to the bylaws address the role and structure of the board of trustees and the executive committee, titles were also changed to more readily mirror the business community.

The title of executive director was changed to president and the executive committee members serve as chairman and vice chairmen.

"We looked at the voting process for the election of trustees and came up with a more applicable voting process. We looked at everything from meetings to adding indemnity clauses to protect our board members and staff members. We basically set it up like a professional corporation," Irwin said.

A committee of past presidents of the Alumni Association and members of the executive committee met with Irwin over several months to prepare changes to the bylaws.

The Atlanta law firm of Alston & Bird

structured the proposed changes.

"Alston & Bird has experts in dealing with nonprofits as well as for profits and corporate governance," Irwin said. "They gave us a draft and we made the appropriate changes and then prepared a final copy."

"The big driver was to rewrite the bylaws so they reflect our operating procedures and practices more closely. We also looked to the future and what we are faced with down the road and the kind of corporate governing structure we seek," Irwin said.

Leadership Change



L. Thomas Gay, IM 66, top, the outgoing president of the Alumni Association, turns the podium over to Carey H. Brown, IE 69, incoming chairman. Brown will fill the same role, but revisions in the bylaws changed the name of the position.

Buzz Bash Takes Gold in National CASE Competition

Buzz Bash, a Homecoming celebration created and presented by the Georgia Tech Alumni Association that has become an alumni tradition in just four years, struck gold in a national competition with other universities.

The Council for the Advancement and Support of Education gave the popular Homecoming event a gold medal in its Circle of Excellence Awards Program. "This recognition by our peers is outstanding. It's a tribute to the terrific work done by our staff here at the Association. Buzz Bash has become a great new Tech alumni Homecoming tradition. It appeals to everyone because it has the right mix of fun, food, entertainment and nostalgia," said Joseph P. Irwin, IM 80, president of the Alumni Association.

Vallee Donovan, vice president for events and travel, and Amy Willmore, event manager, had primary responsibility for developing the innovative program. They received the award at the CASE national assembly July 11-13 in San Diego.

"Since its inception in 2000, Buzz Bash has become a great opportunity and experience for all alumni to embrace Georgia Tech, revisit campus, continue traditions and, of course, celebrate with alumni, students, family and friends," Donovan said. "Buzz Bash has become one of Georgia Tech's premiere events."

Buzz Bash 2004 will be held on Friday, Oct. 15, in the festival area of Bobby Dodd Stadium.



Vallee Donovan, vice president for events and travel, right, and Amy Willmore, event manager, display the national award received from CASE for the Buzz Bash program.

Homecoming, Family Weekend, Georgia Tech Clubs Events Make for Active October

Homecoming, Family Weekend and Leadership Georgia Tech, three of the Alumni Association's major events, are set for October weekends that feature football clashes against Atlantic Coast Conference rivals.

Family Weekend is Oct. 1-3. The self-supported event hosted by the Georgia Tech Alumni Association and

the Georgia Tech Parents Program offers informative programs and fun activities for families of both current students and future legacy students. The Yellow Jackets will play the Miami Hurricanes.

Homecoming is Oct. 14-16 and hosts a slate of entertaining and informative seminars, a pregame tailgate party and the award-winning Buzz Bash cele-

bration. Milestone reunions will be held for classes observing 50th, 40th and 25th anniversaries.

The Old Gold reunion party is held for alumni who have already observed their 50th reunion. Buzz Bash, held under the West Stands at Bobby Dodd Stadium, is a celebration for all other classes. After the alumni tailgate party on

the Tech Tower lawn, the Jackets match up against the Duke Blue Devils in the traditional football game.

Leadership Georgia Tech is Oct. 28-29. Officers of Georgia Tech clubs from around the country return to campus to exchange winning ideas for club programs and participate in an awards ceremony.

HOMECOM

Remember when?

1954

- Cost of a first class stamp: \$0.03
- The Glee Club went to New York to appear on the Ed Sullivan Show.
- In *Brown v. Board of Education of Topeka* the Supreme Court unanimously bans racial segregation in public schools.
- The World Series (NY Giants d. Cleveland 4-0) is broadcast in color for the first time.
- Audrey Hepburn stars in *Sabrina*

For reunion information go to gtalumni.org/homecoming/1954

1964

- Dean George C. Griffin retires after 18 years as dean of students.
- Tech withdraws from the Southeastern Conference (SEC)
- Nelson Mandela sentenced to life imprisonment in South Africa
- Cost of a first class stamp: \$0.05
- The Beatles appear on *The Ed Sullivan Show*

For reunion information, go to gtalumni.org/homecoming/1964

1979

- Ten Acres of Central Campus ("the Hill") are designated a National Historic Landmark.
- Margaret Thatcher becomes new British Prime Minister.
- Nuclear power plant accident at Three Mile Island, Pa. releases radiation.
- Cost of a first class stamp: \$0.15
- Top Grossing Movies: *Apocalypse Now*, *All That Jazz*, *Kramer vs. Kramer*, *Breaking Away*

For reunion information, go to gtalumni.org/homecoming/1979

Homecoming Weekend at Georgia Tech is a wonderful time for alumni of all ages to return to campus, get together with old friends, reminisce about the good times and the tough times, see what's new on campus and celebrate many of our uncommon and uniquely Georgia Tech traditions.

This year Homecoming starts Thursday, October 14 and runs through the weekend with outstanding activities brought to you by the Alumni Association.

And of course, the Yellow Jackets will host the Blue Devils of Duke on

the gridiron on Saturday and you can bet that the Jackets will be looking for revenge.

One of the most exciting traditions to develop over the past several years is the all-alumni party on Friday night - Buzz Bash. If you've been to Buzz Bash, you know it's a fantastic event for Georgia Tech alumni, friends and families of all ages. This year Buzz Bash is going to be a very special celebration: it's the 25th anniversary of

Buzz the mascot! So, we're making it a birthday bash for our beloved Buzz. We have Buzz alumni reuniting for the party - so if you were ever wondering who was under that big yellow head, come find out!

“There’s something about Homecoming that makes me return every year, no matter where I move.”

— George P. Burdell ‘36, ‘44, ‘54, ‘64, ‘79, ‘04

Alumni Seminars are featured again this year, with topics like entrepreneurial success, photonics, music at Georgia Tech, and the future of the airline industry, all presented by distinguished Georgia Tech faculty and alumni. The series kicks off on Thursday evening

with President G. Wayne Clough presenting his State of the Institute, which should not be missed, as it outlines Georgia Tech's leadership in innovation, education and economic development. The address is followed by a wine tasting seminar.

With these activities, and many others, Homecoming Weekend is a special time on campus, so don't miss it!



ING 2004



Hosted by:



Georgia Tech Alumni
Association
Honoring Yesterday - Building Tomorrow

Gold Medal Event!

Buzz Bash received a gold medal from the Council for the Advancement and Support of Education for Alumni Programs. Don't miss it this year!

Thursday, October 14

6:00 - 7:00 p.m. **Keynote Alumni Seminar: Georgia Tech Today**
Dr. G. Wayne Clough, President, Georgia Institute of Technology
Georgia Tech Global Learning Center

7:00 - 8:30 p.m. **Wine Tasting Seminar**
Georgia Tech Global Learning Center

Friday, October 15

9:00 - 11:45 a.m. **Alumni Seminars — Morning Session**
See the complete list of exciting seminars at gtalumni.org/homecoming

11:30 - 1:30 p.m. **Adopt-A-Student**
Hosted by the Student Alumni Association
We will match you with a current student for a unique perspective on life at Tech in 2004. Take your student to an Alumni Seminar, attend a class together or visit your favorite places on campus.

12:00 - 1:30 p.m. **Alumni Seminars — Lunch Session**
See the complete list of exciting seminars at gtalumni.org/homecoming

1:30 - 3:30 p.m. **Campus Walking Tours**
Georgia Tech Alumni House | Hosted by the Georgia Tech Ambassadors
One-hour tours will depart approximately every fifteen minutes from the Alumni House at 190 North Ave. Tours are subject to cancellation in the event of inclement weather.

2:00 - 3:30 p.m. **Alumni Seminars - Afternoon Session**
See the complete list of exciting seminars at gtalumni.org/homecoming

Friday, October 15

7:30 - 10:30 p.m. **Buzz Bash**
Festival Area at Bobby Dodd Stadium
Buzz's 25th Birthday Party!

6:30 - 10:30 p.m. **Class of 1954's Fiftieth Reunion Party**
Georgia Tech Hotel & Conference Center
gtalumni.org/homecoming/1954

7:00 - 10:30 p.m. **Class of 1964's Reunion Party**
Gordy Room at Wardlaw Center
gtalumni.org/homecoming/1964

7:00 - 11:00 p.m. **Class of 1979's Twenty-Fifth Reunion Party**
Basil Garden at the Georgia Tech Alumni House
gtalumni.org/homecoming/1979

Saturday, October 16

8:00 a.m. **Ramblin' Wreck Parade**
Fowler Street

2 1/2 Hours before Kickoff **Alumni Tailgate Party**
Tech Tower Lawn

Time TBA **Georgia Tech vs. Duke**
Bobby Dodd Stadium at Historic Grant Field

Post-Game **Class of Old Gold Reunion**
Georgia Tech Alumni House

October 14 — 16

Online registration and complete information is available at gtalumni.org/homecoming
or call 800.GTALUMS to request a brochure

AlumniHouse

Branding Refines Alumni Message

The Alumni Association has gone through a branding process to make sure its brand name doesn't send a mixed message.

"If you think about Georgia Tech, you think about the Ramblin' Wreck, you think about the Yellow Jackets, you think about the tower. You think about lots of different things," said Joseph P. Irwin, president of the Alumni Association.

"Over the years, the Alumni Association has been affiliated with the Ramblin' Wreck. But the real brand is not the Ramblin' Wreck. The real brand is Georgia Tech Alumni. That's the emphasis of our new cleaner look," Irwin said.

"When you look at the overall brand, that is the message — Georgia Tech Alumni. That's the key," Irwin said. "The brand is Georgia Tech Alumni, whether it is the Association or whether it is alumni clubs or whether it is travel or career services. What ties it all together are those

three words — Georgia Tech Alumni."

A new design concept allows the brand Georgia Tech Alumni to be used with or without the Ramblin' Wreck image or the Yellow Jacket motif.

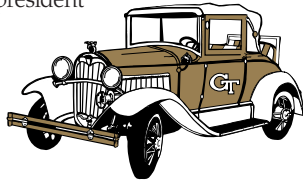
Branding will give the Alumni Association and its departments a consistent look, Irwin said.

"Branding ideals are important because they are your organization's signature and they need to be clear and clean and what your constituency relates to," he said.

Rena

Moyers, vice president for marketing services and campus relations, worked with an alumni branding committee. She also organized focus groups and met with alumni and students about branding.

"What our alumni relate to is this concept of being one among a pretty small group of people around the world who are alumni of Georgia Tech," Irwin said. "That is the message."



Georgia Tech Alumni

Honoring Yesterday - Building Tomorrow

CAROLINE JOE



Rem and Jeane DuBose are surrounded by 30 years of alumni travel memorabilia.

Tech Alum Donates Travel Memorabilia

Since 1972, Rem and Jeane DuBose have covered a fair portion of the globe participating in 17 tours sponsored by the Alumni Association travel department.

They recently donated a collection of memorabilia from those tours spanning more than 30 years to the Alumni Association.

DuBose, ME 48, a former Alumni Association president, shuffled through stacks of mementos and recalled several moments from those tours.

"The first trip was in 1972 to Athens, Greece. The trip went well until time came to leave. The buses arrived at the pier so we could board the ship." He laughed and said, "Our baggage had been unloaded at another dock so we moved them ourselves, unaware there was a longshoreman's strike in progress. Those longshoremen got really upset and almost started a big brouhaha."

Among DuBose's favorite memories are riding mules to the top of a 1,000-foot cliff in Italy, floating down the Rhine River and dining with federal judge Sarah Moore, who swore in

Lyndon Johnson aboard Air Force One after President Kennedy was assassinated in 1963.

"Jeane and I always try to take some side trips and during the Scandinavian tour, we met Judge Moore at an art museum in Oslo, Norway," he said.

One keepsake that DuBose won't donate is a small Rutgers University flag he keeps on his desk.

"In 1983, we traveled with a group from Rutgers and we formed a very close bond. That's why I have that flag," he said.

Director of Travel Martin Ludwig said he plans to archive the donated items in the Living History department.

"They had several bags of keepsakes including photographs, souvenirs, brochures — even passenger lists," Ludwig said.

"We had very little information about those early tours, so this is a wealth of knowledge for us.

"I was amazed just by the size of the tour groups," he said. "The passenger manifests often list more than 100 Tech alumni on a single trip." **GT**

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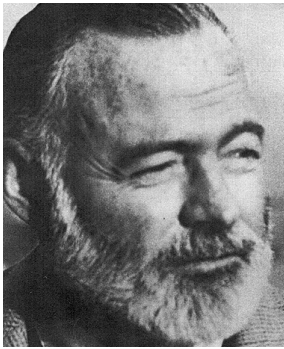
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Georgia Tech Alumni
Association



Ernest Hemingway

The History of Living History

Bedazzling program grew from a desire to preserve Tech traditions

How Juan Michelina came to Georgia Tech is one of the most surprising tales told in the history of the Georgia Tech Alumni Association Living History Program. In an interview with program director Marilyn Somers, Michelina spoke of growing up in his native Cuba and spending many happy days fishing with his father on a boat they kept at a marina in the coastal town of Finca Vigia. *By Maria M. Lameiras*

Michelina and his father became friends with an American who kept his boat docked next to theirs and who fished with them and entertained them with interesting stories.

When Michelina was ready to study engineering, he figured on joining two schoolmates at Rensselaer Polytechnic University. On a fishing trip, Michelina told his American neighbor about his plans.

"I thought you wanted to be an engineer. The really great engineers go to Georgia Tech," the American said and burst into a rousing rendition of "I'm a Rambling Wreck from Georgia Tech."

Impressed with the American's zeal for Georgia Tech, Michelina's father researched the school and, in the fall of 1958, Michelina found himself on the Tech campus.

In Michelina's second quarter at Tech, he took an English literature class and the professor handed him a copy of "The Old Man and the Sea." Michelina picked it up and on the back cover there was a picture of the author. To Michelina's shock, it was the American — Ernest Hemingway.

"Ernest Hemingway was your neighbor and you didn't know who he was?" Somers asked in surprise. "What did you call him?"

Michelina reflected for a moment, then replied, "We called him Papa."

On July 11 the Living History Program celebrated its 10th anniversary and this is but one of the many fascinating stories Somers has heard.

"People tell me things they have never told before or even thought of telling," Somers said. "The stories just pour out and it is very touching. I have heard amazing stories of bravery by our POWs and war heroes told without any bragging. Even the most modest person will tell stories about themselves and are pleased afterward because they are not only giving back to Tech, but they have those stories preserved for their families as well."

This year, the Living History Program reached the 500 mark of interviews with Tech alumni, faculty and friends. The program has also produced dozens of videos on Tech's history and traditions, as well as producing a video for the 50th reunion class each year. The interviews are archived by computer in a searchable database available to qualified researchers and students.

Among the most memorable interviews she has conducted were with Tech's Medal of Honor winner Gen. Raymond Davis, former President Jimmy Carter, holocaust survivors and POWs from the Vietnam War, but Somers said each interview gives new insight into people and the times in which they lived.

"It is a very sobering experience to hear these stories and it is extremely impactful for the listener," Somers said. "Every interview presents the opportunity to be impressed by someone's accomplishments, emotionally rocked by their experiences and surprised by their insights. I have no favorites because every time we go out I am bedazzled by the stories. Our subjects never cease to amaze me."

Somers recalled interviews with Anne Marie Eaton,

who attended Tech under the Federal Manpower Act in 1940 and '41 and remembered being a child during World War I and seeing pilots pushing bombs over the sides of Sopwith Camels, and with Tom Edwards, EE 28, who as a child met Buffalo Bill at the circus and who, early in his career, had a consultation with Thomas Edison.

The program started modestly in 1994 with all sessions filmed on a handheld video recorder and interviews conducted by students.

Now the program employs a professional videographer and editor, Brandon Arnold, who records the interviews and edits special film projects in the studio at the Alumni Association.

Somers was hired in 1989 to provide public relations for the Georgia Tech Alumni Association, which had just received recognition as the best in the country by the national Council for the Advancement of Support and Education.

"In 1994, I received a telephone call from the recreation director of a nursing home in Baltimore, Maryland, who was planning a 100th birthday party for a resident. The man was a graduate and avid fan of Georgia Tech and the woman wondered if we could send some Tech memorabilia for the occasion," she said.

Somers gladly agreed, then began to think about the significance of a person who had been a student at Tech 80 years earlier.

"I mentioned to then-executive director John Carter that it certainly would be interesting to talk to the man and hear what he had to say about what Tech was like during his time there," Somers said.

During a road trip with trustee Duke Mewborn, Cls 56, Carter mentioned the idea. Mewborn, then president of Baker Audio, was intrigued, Somers said.

"Duke Mewborn adopted the idea as his mentorship project and made a large contribution of audio equipment so we could get the program started," she said. Somers consulted with National Park Service experts about their oral history program, spoke with the National Oral History Association about legal matters and organized a seminar on oral history facilitated by Suzanne Marshall, a specialist in the field.

Somers, who researches history, finds prospective interviewees, conducts the interviews and writes and produces projects, said one thing that has not changed is the program's mission statement.

"From the very beginning our intent has been to 'col-



Marilyn Somers interviews alumnus Duke Mewborn as Brandon Arnold shoots video.

lect, preserve and present,' and that has really been meaningful to the program because it is very easy to explain," Somers said. "And the middle part of that, to preserve, is the most significant thing we do, and it is not only the history of Tech, but the accomplishments of Tech people."

Students still play an integral part in the program, logging each tape by the second, minute and hour so it is word searchable in a computer database, making it a valuable research tool. Printouts of the timelines and debriefings of each tape serve as a guide to the user. Once the interview is complete, the subject is given his own page on the program's Web site with a brief biography.

"We hire and inspire these students and they are so excited about what they are doing that they continue to make it better and better," Somers said. "It is amazing what we have available and, if someone is looking for something specific, we are able to locate it for them quickly through our database. It is also thrilling to me to see how many students and researchers have accessed our data to use it for research."

Somers is thrilled that the program has been used as a basis for programs at Millsaps College in Mississippi and at the University of Ohio. She also has made presentations on the program for CASE and is a speaker for the Alumni Association on Tech history and traditions.

A decade into the program, Somers is confident the program has limitless material still to cover.

"There is little that is redundant. I can talk to 10 people about the same incident and get 10 different views of how it happened," she said. "There are so many stories we will never have time to get them all told. The history of women at Tech, integration, the foundation of the different schools and programs, early professors, the presidents of Georgia Tech — we will never run out of material."

"These stories put the heart and soul into the Institute. To know what people were doing and thinking as Tech has grown has great sociological and historical impact." **GT**



A Decade of Progress

**Wayne Clough observes 10 years
at the helm of Georgia Tech**

On the evening of June 11, Wayne Clough experienced one of the rarest moments of his tenure as Georgia Tech's president. He was caught off guard.

Alumni Association President Thomas Gay surprised his co-host at the annual Presidents' Dinner with a resounding tribute celebrating Clough's milestone 10th anniversary. About 700 of Georgia Tech's most loyal and generous supporters raised champagne glasses, giving a toast and a standing ovation to Wayne and Anne Clough before breaking into a boisterous rendition of "Ramblin' Wreck." *By John Dunn*

The first alumnus to serve as president, Clough is steeped in Tech's culture. He is a helluva engineer who excels at accomplishing projects on time and under budget. It took Gay, IM 66, nearly 10 minutes to list the accomplishments of Clough's "amazing 10 years."

During Clough's tenure, the Institute developed a comprehensive strategic plan and a new master plan, served as the Olympic Village during the 1996 Summer Games in Atlanta, experienced a building program of more than \$900 million coupled with another \$300 million for planning and design, completed a five-year \$712 million capital campaign and launched a campus expansion that vaulted the Downtown Connector, establishing an eight-acre academic oasis in Midtown called Technology Square. A new campus was opened in Savannah that is rapidly expanding to serve a growing student demand.

Research expenditures increased from \$200 million to \$400 million under Clough and Tech has attracted a stellar faculty that is ranked seventh in the nation by *U.S. News & World Report*. Student enrollment increased to 16,500 while SAT scores improved to an average of 1338. During his administration, more than \$1 billion in private gifts have been obtained and an endowment through the Georgia Tech Foundation has grown to

\$875 million. Intercollegiate sports expanded and the Yellow Jackets celebrated their winningest sports year in school history — 15 of 17 varsity teams advanced to postseason play in 2003-04, with five teams completing the season ranked in the top 10 of their sports nationally.

Clough began his first day as Tech's president at 8 a.m. Sept. 1, 1994, 30 years after he received his undergraduate diploma in civil engineering from the Institute. Clough actually completed his undergraduate work in September 1963, but his diploma was not awarded until the June 1964 graduation. He earned his master's degree in civil engineering from Tech in 1965 and his PhD from the University of California-Berkeley in 1969. Recently it was announced that he will receive the 2004 Distinguished Alumnus Award from the Berkeley College of Engineering.

He was a member of the faculty at Duke and Stanford universities, dean of the College of Engineering at Virginia Tech and provost and vice president for Academic Affairs at the University of Washington.

In 1990, Clough was elected to the National Academy of Engineering. He has received eight national awards from the American Society of Civil Engineers for his teaching and research, including the 2004 OPAL Award for Lifetime Achievement. He is one of the few civil

engineers to have been twice awarded the organization's oldest recognition, the Norman Medal, in 1982 and 1996. In 2002, Clough was appointed by President George W. Bush to his Council of Advisors on Science and Technology and he was named recipient of the National Engineering Award by the American Association of Engineering Societies.

U.S. News & World Report ranks Georgia Tech among the top 10 public universities and ranks its engineering college in the top five. The School of Industrial and Systems Engineering has been No. 1 in the country for 13 out of the last 14 years. In 1999 the Institute received the Hesburgh Award, the nation's top recognition for support of undergraduate teaching and learning, an award few research universities have won.

In an interview in his office in the Carnegie Building, Clough spoke about some of his accomplishments during the past decade.

What has been your most rewarding achievement?

Helping to create an outstanding team of administrators, faculty and staff that has led to the advancement of Georgia Tech as an institution — creating a standing that is seen in a similar light with some of the great institutions in the country. A coordinated and inspired team effort allowed Georgia Tech to make strides few others can match.

A strategic plan had been started, but had stalled when you came.

As we began the process of developing a strategic plan, people asked me what my vision was. My vision was not relevant at that stage — we very much needed to develop a shared vision for the future of the Institute. At the time of my arrival on campus, there was a lack of appreciation of the need for a team approach and for faculty, staff and administrators to work together to advance the cause. Once we had a shared vision, we all knew exactly what we were working toward. Naturally, I've tried to exert a little influence in helping people come close to what my vision really was because I felt my experience at other prominent research universities was helpful. Also, I brought a unique measure of passion to this as a Tech graduate and a person born here in Georgia.

You also established a master plan.

The improvement of the facilities, our campus and our surrounding neighborhoods was clearly an issue that needed a major effort. For all of the visionary ideas we might have, an unappealing campus with inadequate facilities set in neighborhoods that were deteriorating would thwart our best intentions. To get there we had to develop plans that fit with our aspi-

rations and find the resources to make it happen. With a great team effort we have almost doubled the square footage of Georgia Tech in the last 10 years, going from around 5 million square feet to close to 10 million. The Olympics had a little to do with that in the early stages, but later the focus has been on academic and student life facilities.

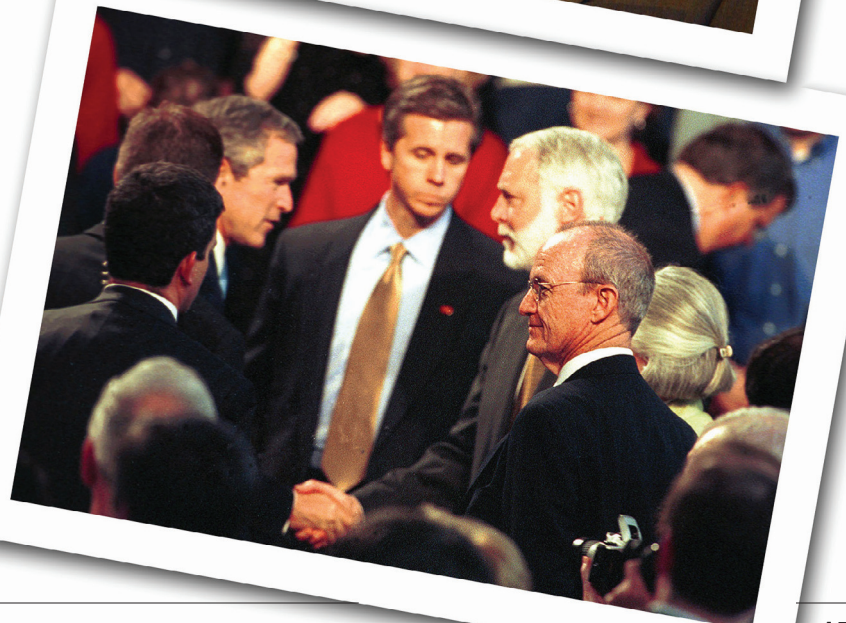
In developing our master plan, we used principles of sustainability and sought to create a consistent architectural style that expresses our respect for traditions while making a statement about being at the cutting edge of technology. Importantly, while our small land base calls for dense use of space, we have added green space over time. It has been pointed out to me that we are the 24th largest 'city' in Georgia with a population density greater than that of New York City. It is imperative that we make the best use of our land and campus in these circumstances.

What kind of student is Tech recruiting?

We changed our admission process about five years ago to look for students who have a little different profile — who were not only outstanding academically, but also had other characteristics that suggest they are on their way to become leaders in society. This was important to me because from personal experience I know that some of the greatest engineers, business people and scientists are not always the ones who had the highest test scores. Rather they are among those who have an ability to draw on ideas from different fields, think broadly and express themselves in such a way as to convince others to move in new directions.

I think Georgia Tech students are uniquely talented and they get such a great education here that they should be ready to become leaders to help our society. If we don't give them that sense when they leave here, then we haven't served them well. Also, we know in the future career paths will change more than in the past, and we want our graduates to be the ones who can adapt and create new opportunities for themselves as well as others. We seek to help students gain a bigger vision of what is possible through study abroad options, undergraduate

President Wayne Clough applies his skills as Tech's chief ambassador in many facets of the political arena. At top, Clough joins Georgia Gov. Sonny Perdue on a visit to campus. Top center, Clough converses with former President and Nobel Prize recipient Jimmy Carter, CIs 46, who was awarded the Ivan Allen Prize for Progress and Service in 2002. Bottom center, Clough talks with Sen. Sam Nunn, for whom the Sam Nunn School of Public Policy is named, the 2004 recipient of the Ivan Allen Prize. At right, Clough meets with President George W. Bush during a campus visit in 2002.



AmazingDecade



“If we say we want to be good at teaching leadership, it means we want to be one of the very best. If we say that technological policy is important, that means that Georgia Tech wants to help lead the nation.”

research options and volunteer and leadership programs.

From my own point of view, I got some of this fortuitously. I was a youngster from a small rural town in south Georgia. My mother and father were not able to go to college, and they wanted their children to have this opportunity. When I came to Georgia Tech, I hoped to get an undergraduate degree, but had never thought about graduate school.

As I advanced through Tech, a number of faculty encouraged me to consider graduate school. This and the chance to do an undergraduate research project tipped the scales for me and set me on a path that changed my life.

What Georgia Tech did for me, and Berkeley later,

was to open horizons allowing me to become an engineer with a rewarding and fulfilling career beyond my greatest dreams. I want to do all I can to make sure that Georgia Tech is continuing to create that opportunity for the young people of today.

You have said Tech students should not flunk out of school. Why not?

The Georgia Tech students of today are very bright and if we are doing our job right, and our students are working as they should, then failure is not an option. We will always offer a rigorous course of study, but this is as it should be so that we challenge bright young minds to learn to optimize their abilities. In doing so we want to

ensure that we offer the appropriate forms of encouragement and support to make sure the playing field is level.

If you think about it, you quickly realize that Georgia Tech is one of the top schools in the country and we are educating talented young people to understand and know how to use and create high-end technology. Not too many schools are doing that anymore so our graduates are rare commodities.

I don't know how many graduates there are in the country, but out of that huge number, 3,000 come out of Georgia Tech each year. These are very special people. They are a central resource for the nation and for the future of our country. Technologically, we now are competing against China and India. Our graduates are the people who are going to help our country win that battle, so it is important that each and every student who comes to Tech has a chance to succeed.

You have tried to change the culture from 'look to your left, look to your right.'

Four years ago we had a set of triplets come here and it caused me to see the old message in a new personal light. Suppose the parents of the triplets sat down in front of me and I said, 'Here's the deal. We are glad to have all three of your children start, but only one of them will graduate. We expect that two of them will fail and have to start over at another school if they are lucky. 'What kind of place would they think they had entrusted their children to? Today, with the time and effort the parents of bright children have invested in selecting a university it is incumbent on us to make sure we do all within reason to see that they succeed. This becomes ever more important as we compete with the elite universities in the nation for our student body.

The Campaign for Georgia Tech raised \$712 million. Why was it so successful?

The Campaign for Georgia Tech had a big impact because it gave us an important infusion of funds that directly related to achieving excellence. Specifically this related to faculty recruitment and retention because of the endowed chairs. It improved our scholarship funds, and we leveraged gifts for facilities to build key infrastructure.

Good ideas and good people drive capital campaigns. People want to invest — not in projects per se — they want to invest in ideas. Relying on the talents of many of our deans, faculty and alumni, an array of exciting ideas were developed that demonstrated what was possible for the Institute and our students.

For example, when we talked about building the Institute for Bioengineering and Biosciences, it was in the context of the interdisciplinary complex within which it would fit. It was also within the context of the exciting new courses of study we could offer our students, like biomedical engineering. We talked to people about all four buildings that were going to be built there, not just one, and that with the complex in place we could compete on the international level and create new opportunities for our students. This caused donors to appreciate how each gift would build toward the larger goal. The idea was important, not the buildings by themselves.

Beyond good ideas, we were served well by the enthusiastic support of our alumni. About 50 percent of the total funds for the campaign came from alumni who understood the need for private support and the opportunity it presented to us. Without their help we could not have achieved our goals.

Technology Square was a bold expansion.

Technology Square is part of the idea of defining the technological university of the 21st century. Our goal was

not only to build a project, but to create one that would send a message about Georgia Tech and its future. We are proud that the project has already won over 10 awards, including a national award from the American Institute of Architects. The acclaim we are receiving reflects the ideas and hard work of many members of the Tech family who bought into the vision.

In part the germ of the idea for Tech Square came from necessity. The land where it is located was once occupied by abandoned buildings and vacant lots. Not only was this dangerous and a drag on our future, there was the possibility someone else would buy the land and build something we did not want. Fortunately, at the time of the Olympics, the land was put up for sale and we were fortunate to have an opportunity to purchase it. The Georgia Tech Foundation board was the key player here because they were willing to step up and purchase the land and keep other buyers at bay.

It took two years to develop a plan for the use of the land and many people contributed to it. Foundation board member Tom Gossage chaired a committee that encouraged us to think big. Dean Terry Blum and her faculty brought the idea to us for moving the management college to the site. Bob Thompson, our senior vice president for administration and finance, and his staff added the idea to make the project a new entrance to campus and include retail at street level. None of this made it easier to get done, but it created a momentum for a concept that was sweeping and significant.

In the end, Technology Square meets multiple tests. It helps create a visible technology corridor for the city of Atlanta. It was an anchor catalyst for a number of outside developers to build condominiums and townhouses and for BellSouth to build two new office towers. It is friendly for people, pedestrians and students and extensively used sustainable technology in the design. Finally, it brought beautiful new facilities into a site that was once a hazard to our students and our future. We are pleased with the outcome and will continue to add to it over time.

What about the little things?

Someone recently asked me that question. It was unexpected since we usually focus on big endeavors like buildings and major projects. But the question was on target because often, big things come from an accumulation of smaller initiatives.

I think about the child care center we built. Not many people are going to hear about that, but that was a significant small step that helps create the right working environment, which in turn allows us a better chance to recruit top faculty.

Attracting Senator Sam Nunn to our faculty on his retirement from the Senate was an important step that elevated our efforts to be a player in the world of policy. We found he shared our vision about the importance of technology in public policy and he was willing to help us take the next step. Thanks to Senator Nunn, we now have a circle of influence that we have never had before.

Coming back to our goal to give all students a chance to succeed, having midterm grades and the undergraduate research initiative are important. Quadrupling the number of students involved in study abroad is significant. They grow, they become more mature and they become more curious or inquisitive, more willing to take risks in their lives. A lot of these little things add up to more than the sum of the parts.

Is nanotechnology the future?

Nanotechnology is a hot idea today, but it needs to be seen in the proper context. Our strategic plan recognizes that the strength of a university lies in its traditional



Clough, who chaired the President's Council of Advisors on Science and Technology, testifies before Congress in 2003.

disciplines, but that the major problems facing society are found in the interdisciplinary spaces. Our goal is to be a leader in our ability to combine our disciplinary strengths so we can attack interdisciplinary challenges.

Interdisciplinary areas of interest to Georgia Tech include nanotechnology, but also others like sustainable technology, biotechnology, logistics, telecommunications, entrepreneurship and the global economic enterprise. To this end we have hired faculty who have the ability to work across disciplines, and we have built facilities that support this approach.

We have sought to build alliances with other universities and institutions where we can reinforce our strengths. Visitors to campus often tell us that Georgia Tech is one of the national leaders in having an environment open to this type of development. Much of the credit for this accomplishment goes to our deans and chairs and our talented faculty.

We are proud that over the past 10 years we have won a remarkable number of competitions for national centers of excellence, all of which relate to interdisciplinary initiatives. This suggests we are doing things right.

Nanotechnology and nanoscience are unique among the initiatives in which we are investing in that they have broad dimensions with the potential of underlying almost all areas of interest to us. Being able to manipulate materials at the molecular level and to use the power inherent in the energy of light opens new vistas not yet seen to mankind. I am fortunate to serve on President Bush's Council of Science and Technology Advisors and as a member of the committee on nanotechnology. We have been privileged to hear from Nobel Prize winners and great scientists and engineers who describe remarkable possibilities through nanotechnology for new materials, power sources, medical applications and advanced computers and storage devices. Fortunately, Georgia Tech has anticipated these possibilities and has assembled a team

of scientists and engineers who are among the best in the world. And we are working hard to build the facilities they need to do the research and teach the next generation of students in the nuances of this exciting field. Finally we have developed the alliances needed with universities like Emory, the University of Georgia, MIT and Stanford, among others, to compete for the large initiatives that will dominate in the coming decades.

All of this is important to Georgia Tech's future, but also to that of our state and nation. The global competition for the future of technology is growing day by day. Our nation must be able to remain at the front of fields like nanotechnology if we are to hold on to the high-end technological edge we will need to have a successful economy.

You set a goal for Georgia Tech to define the technological university of the 21st century.

I wish I could take credit for the idea for us to be the institution that will define the technological university of the 21st century, but I cannot. Our provost, Jean-Lou Chameau, was the first to propose this high goal and it is important because it sets a standard for everything we do. If we say we want to be good at teaching leadership, it means we want to be one of the very best. If we say we're interested in having a diverse student body, we want to be a national leader. If we say that technological policy is important, that means that Georgia Tech wants to help lead the nation in this endeavor.

It also never allows us to be complacent, even when we have accomplished what seems to be a lot. The goal remains well in front of us. It will take the work of many generations to achieve it.

I am pleased to have been here during 10 years when much has been done, but the best years are yet to come. Hopefully my tenure as president has helped lay the foundation for what will be an incredible future. **GT**

OMED TURNS 25

A Shot at Changing the World — That Worked

By Gary Goettling

NATIONAL RANKINGS MAY COME AND GO at many colleges and universities, but Georgia Tech appears to have a lock on yet another academic top 10 list.

For two of the past four years, Tech has topped all universities in the country in its production of African-Americans with science and engineering degrees. In fact, Tech has appeared among the top 10 for a decade. In terms of graduate degrees for minorities, no other institution even comes close to matching Georgia Tech's output.

There's a lot of credit to be shared for those accomplishments, but much of it points to the Office of Minority Educational Services, celebrating its 25th anniversary.

"Georgia Tech has proven that you can value diversity and go after very talented minority students as well as majority students without jeopardizing your academic integrity or your high academic standards," said S. Gordon Moore Jr., Mgt 92, managing partner and director of OMED since 1998. "It has definitely been a cumulative effort thanks to support from the Georgia Tech president's office, faculty, alumni, key people in enrollment services and admissions as well as programs like OMED."

Founded in 1979 during the administration of Joseph M. Petit, OMED's original mission was to address the particular social and academic needs of minority, primarily black, students. Over the years, its function has reflected changes in Tech's increasingly diverse student population, Moore said.

"We have gone from being a nurturing program for the very few minority students who were admitted to Tech to being a unit that deals with the strategic development — the retention and academic performance — of students," Moore said.

"We're at a point where the minority students who come in here pretty much look like every other student that comes in here as far as grade point average and SAT scores are concerned. We have such an unbelievable caliber of students that we don't have to deal with 'brain' issues. OMED is not a remedial program and hasn't been for years."

Still, many minority students need help making the adjustment to Georgia Tech life because they are often the first members of their families to attend college and neither they nor their parents know a lot about what to expect, according to Moore.

"Tech has proven that you can value diversity and go after very talented minority students without jeopardizing academic integrity or your academic standards."

"For many of these students, the moment they set foot on the Georgia Tech campus is the first time they've been exposed to this kind of academic environment," he said. "We deal with helping people develop the right strategies for academic success and help them understand the resources available and how to utilize those resources."

OMED's change in focus from a remediation model to a strategy-development model, which Moore said occurred in the early 1990s, also brought a change in the office name to OMED: Educational Services.

"We see ourselves as an educational service that all students can take advantage of," Moore said. "All of our programs are open to the campus at large and are often taken advantage of by the entire population of Georgia Tech."

OMED's flagship program is Challenge, a five-week, intensive orientation for incoming freshmen held during the summer. Participants live in a dormitory, attend social and academic workshops conducted by upper-class Tech students and take classes.

The idea is to introduce new students to Georgia Tech and provide them with the necessary skills and knowledge to succeed during their first academic year, Moore said.

"There's a strong correlation between first-term performance and the five-year retention rate," he said. "The better you start, the more likely it is that you'll graduate from Georgia Tech."

In addition, OMED provides "bridge" programs for transfer students, graduate students and participants in the dual-degree program, in which students from other colleges and universities can also earn an engineering degree at Tech.

OMED's first-year boost for freshmen and dual-degree students also includes a "team coach" program. Specially trained upperclassmen are assigned as mentors to groups of 10 to 20 students. Again, the idea is to help students establish a productive, successful academic routine as early as possible.

"The day you walk on this campus you have at least one person who is genuinely interested in your success, who shares your background and perspective and who has been through the journey you're about to begin," Moore explained.

"People in bridge programs and team coach programs outperform the entire student population all the way around," he added. "Those are effective strategies."

The real key to OMED's success is that it is managed by Georgia Tech alumni and for the most part operated by students, Moore said. "We rely heavily on student employees — young people who have come through the system and know the system."

The change came about 15 years ago and marked a turning point in OMED's mission, he said. In the early 1990s, Moore and a handful of other former OMED student employees were hired to draft changes in the office's structure and operation.

The changes were made in early 1992 under the auspices of a new director, Gavin Sams, who was joined by Moore and other one-time OMED student workers as paid staffers.

The result was a more student-oriented department and the beginning of a focus on early intervention in student academic development. Those changes have also enjoyed the unqualified support from President Wayne Clough's administration, Moore noted.

"Gavin was only 25 years old at the time, and the rest of us were in our early or mid-20s," Moore said. "We were competent enough to know what we were doing, but naive enough to think we could change the world. It was a pretty good combination that worked."



CAROLINE JOE

OMED's Gordon Moore says Georgia Tech has recruited talented minority students without sacrificing academic integrity.

Computing Collaboration

Tech, state educators join forces to improve learning

By Maria M. Lameiras

GEORGIA TECH HAS JOINED FORCES with the Georgia Department of Education to boost the computer literacy of students and strengthen the technology skills of computer science teachers.

A partnership between Tech and the Department of Education blossomed from a new introductory computer science course developed at Tech by associate computing professor Mark Guzdial that has dramatically improved student performance. Training courses for high school teachers were developed by computing instructor Barb Ericson.

"We need to have a much more computer and information technology-literate student body when they come to us," said College of Computing Dean Rich DeMillo, PhD 72. "We've been giving people vocational training in computer programming masquerading as university-level work. We want to assume an incoming student is computer literate so we can give them something that adds value to their education. That is why this partnership is so important."

In June, the College of Computing began teaching workshops designed to upgrade high school computer science teachers' curriculums and improve their knowledge of computer technology and programming. An interactive programming and systems management workshop used a media-centered approach — using programming to manipulate photos, video and audio samples — to explain the computer science concepts needed to solve programming tasks.

The approach was pioneered by Guzdial through the introductory programming course he designed for non-computer science and non-engineering majors at Tech.

The course Guzdial designed has produced amazing results at Tech.

In 2001-02, when all freshmen on campus were required to take the same introduction to computer science class, the drop, withdrawal or failure rate was 28 percent. This spring, the third semester introduction to media computation was offered, the rate was 9.5 percent, Guzdial said.

DeMillo added, "It used to be the case that students said to enter the introduction to computer science class was entering the first gate of hell. What we've done at Tech is taken the worst experience and made it the best experience. Students have been excited and inspired by the changes in our curriculum and I think that can be conveyed to high school and mid-



STANLEY LEARY

dle school students throughout Georgia."

Guздial said the workshops for high school teachers may lead to more students going into computing.

"Very few high school students are interested in computer science or engineering majors and this approach holds promise for attracting and motivating high school teachers to teach advanced computer science courses, which may in turn make computer science and engineering more compelling to students," he said.

Guздial said the partnership has several goals in addition to increased student interest in the computer science field.

"There are very few women and minorities entering computer science, and if more high school students are getting excited about computing, we are hoping to get a more diverse student body in computer science. By having computing become more ubiquitous, we hope these students will become more informed and take more courses," he said. "Also, by taking advanced classes in high school, a student may skip the first college computing class and move straight on to higher courses. I think it would be a lovely problem to have to deal with. As it is now, even in the introduction to computing courses, there is a minority of students who have had any programming experience at all when they come in."

Part of the problem is a lack of computer science classes in Georgia high schools. State Superintendent of Schools

Kathy Cox said only 44 of the 376 high schools in Georgia currently offer advanced placement computer science classes. Through this partnership Cox hopes all of the state's high schools will soon offer those courses.

"Though there has been a push to get computers into every classroom, very few students know how to program or are taking serious computer science at the high school level," Guздial said.

"Also, teachers are not trained to teach computer science. One teacher came up to me during a workshop and said she is a business teacher and she was drafted into teaching advanced placement computer science because she had a programming course as an undergraduate years ago."

As a graduate student at the University of Michigan, Guздial was approached by the faculty to be the first student to go through a joint PhD program in education and computer science, however the program hadn't yet been developed.

"I had to literally define my own PhD program," Guздial said. "They needed a student to go through the program and negotiate with both sides on what sorts of degree requirements there would be from each department."

After earning his PhD in 1993, Guздial joined the faculty at Tech and was charged with creating a course in computer science that would deal with the low

Mark Guздial (left to right), high school teacher Eddie Lindsey, State School Superintendent Kathy Cox, Barb Ericson and high school teacher Sheria Enahora view work on a laptop during training for high school computer science teachers.

retention numbers in computer science.

Computer science may have experienced a decline in enrollment because of the perception that it is not creative and because it is seen as asocial, Guздial said.

"There is a stereotype of a person who sits in a corner with a case of Jolt cola for 36 hours programming," he said. "Our new course, introduction to media computation, meets the freshman requirement for architecture, management and Ivan Allen College majors and it makes programming different by giving it a relevant context in that we recognize programming for these students is not a tool for calculation as much as for communication and we are teaching programming in terms of a communications context."

Projects in the class include creating collages and other visual or audio media using program code.

"One student handed in a project using over 200 lines of program code. These students are building pretty sophisticated programs as well as spending lots of time being creative," Guздial said. "The assignment results are then posted on the Web to share with others. The idea is changing computer science into something creative and social."



Charles Eckert, left, and Charles Liotta won 2004 Presidential Green Chemistry Challenge Awards.

Sustainable Collaboration

Professors rewarded for solutions to scientific, social problems

GEORGIA TECH FACULTY MEMBERS Charles Liotta and Charles Eckert are among the winners of 2004 Presidential Green Chemistry Challenge Awards from the U.S. Environmental Protection Agency and the American Chemical Society.

Liotta, Tech's vice provost for research and dean of graduate studies, and Eckert, a professor in the School of Chemical and Biomolecular Engineering, have collaborated for more than 15 years on sustainable chemical processes and were honored for their development of benign tunable solvents that couple reaction and separation processes.

"We're using a systems approach to processing," said Eckert, who holds the J. Erskine Love Jr. Institute chair in chemical and biomolecular engineering. "We have used novel and tunable solvent systems to integrate the reaction and separation processes to facilitate the reduction of waste, allow the recycling of catalysts and use more benign solvents. We are developing methods that not only are more benign, but also have economic advantages in producing better products less expensively."

Despite recognition for their research, Liotta, a physical-organic chemist who is a Regents' professor in the School of Chemistry and Biochemistry, and Eckert, a chemical engineer, say their top accomplishment is giving their students an education in multidisciplinary green chemistry issues.

"The reason we do research is because it's such a good way to train students," said Eckert, who joined the faculty in 1989 after 24 years at the University of Illinois. "Interdisciplinary research is the vehicle for educating students about collaboration and partnerships to solve problems."

For Eckert and Liotta, collaboration is much more than a pragmatic partnership to win

research contracts. Though administratively part of two different schools, the two professors share laboratory space and house their students together, mixing graduate and undergraduate student chemists and chemical engineers in ways designed to break down traditional barriers.

"The major social and scientific problems we will face in the 21st century are going to require a multidisciplinary approach," Liotta said. "Our students are educated in cooperative and collaborative research with other disciplines."

Liotta and Eckert work in the Ford Environmental Science and Technology Building, which was designed for such collaboration. Biologists, chemical engineers, atmospheric modelers, chemists, civil engineers and faculty with other backgrounds work in adjacent offices and laboratories, all part of a concerted effort to bring researchers together around environmental issues.

"The fact that Charlie Liotta and I are able to co-occupy lab space and co-direct students in a building devoted to the environment has made it much easier for us to have an impact," Eckert said. "Georgia Tech is very supportive of collaborative work. I think it is very important that this award is being given for a multidisciplinary collaborative effort."

Liotta and Eckert met more than 20 years ago when both were consultants to DuPont. Liotta had a reputation for work in phase-transfer catalysis, which allows the reaction of molecules that are not soluble in a common solvent. Eckert's background was in molecular thermodynamics and phase equilibria, and he was a pioneer in the use of supercritical fluids for separations and reactions.

"This has evolved into a fantastic relationship," said Liotta with a grin. "We just had the right chemistry to make it work."

NICOLE CAPPELLO

More Women, Hispanics

Freshman class boasts boosted ranks

MORE FEMALE AND HISPANIC students enrolled in Georgia Tech's freshman class than ever before. Eight hundred women and 108 Hispanic students — a jump of 30 percent and 52 percent, respectively — were expected to begin classes Aug. 16.

The changes come at a time when Tech is admitting one of the smartest classes in its 119-year history. The freshmen boast an average grade point average of 3.75 and an average SAT score of 1337.

"We've been putting forth a tremendous effort to expose women to the diversity of the science and engineering fields, to show them how these fields impact the human condition in a personal way," said Ingrid Hayes, director of Undergraduate Admission.

The College of Sciences is the main beneficiary of the influx of women, with 80 percent more females in the freshman class than last fall. In biology alone, 91 of the 123 freshmen are women.

According to the National Center for Education Statistics, women have outpaced men in receiving bachelor's degrees since 1984. In the 2001-02 academic year, the last year for which figures are available, women earned 57.4 percent of all bachelor's degrees. But at schools like Georgia Tech and MIT, where engineering has historically been a dominant field, women account for only one-third of the student body.

Attracting more women students is essential if Tech is going to continue to provide a top-ranked education, said Katie Faussmagne, assistant director of Undergraduate Admission. "We need to have diversity in the fields of science and engineering. It brings different personalities to the table and diverse ideas."

For the past several years women have been enrolling in the undergraduate biology program at twice the rate of men, and this year there are more than three times as many women enrolling in the program. Since Tech began the undergraduate biomedical engineering program in 2001, half the students have been women.

Freshmen Facts

- **Fall 2004 enrollment:** 2,550 (15 percent increase)
- **Women:** 800 (32 percent increase)
- **African-Americans:** 152 (20.6 percent increase)
- **Hispanics:** 108 (52 percent increase)
- **International students:** 119 (11.2 percent increase)
- **Average high school GPA:** 3.75
- **Average SAT:** 1337
- **Perfect scores:** Eight on SAT, one on ACT

Other engineering majors typically have male-to-female ratios of 6-to-1 or higher.

Making prospective students aware of Tech's programs in liberal arts and architecture also has paid dividends. The College of Architecture expected a 62 percent increase in the number of female freshmen, while the Ivan Allen College is seeing a 20 percent increase.

Even with the impressive gains in female enrollment, the Hispanic population continues to be the fastest-growing faction on campus. This fall 108 Hispanic students were expected to enroll in the freshman class — 52 percent more than last fall.

Helped along by a \$4.25 million grant from The Goizueta Foundation to fund Hispanic recruiting efforts, scholarships, fellowships, an endowed chair and a professorship, Tech has seen the number of Hispanic students enrolling in the freshman class grow 125 percent since 2001.

"As career environments become more global, it's important that we offer students an opportunity to work with people with a diverse array of backgrounds. Hispanics are an important part of that goal," said Giselle Martin, assistant director of Undergraduate Admission.

African-American and international students also made strong gains. Tech expected 20 percent more African-American students to enroll compared to fall 2003.

Insider Insights: Telling Tech's story to future leaders

ALUMNI WHO VOLUNTEER their time to meet with prospective students have a knack for telling Georgia Tech's story. And who better to tell it than those who have experienced Tech's unique culture? By Lisa Spessard

Lee Rich, ChE 74, started volunteering to help recruit students from Houston about four years ago. He initially got involved because he believed Tech prepared him to be successful in his career and he wanted to pass that message on to potential students. His reasons for helping became personal when his daughter was approaching college age.

"Volunteering gave me insight into the admission and scholarship selection process," Rich said. "This helped me coach my daughter as she applied to various schools."

Now that his daughter Kristin is a junior at Tech, Rich said he continues to volunteer because of the special experiences he has when he talks to students who apply to Georgia Tech. "It renews my faith that the world does have some good future leaders coming along."

There are volunteers like Rich all over the country who have served as mentors to students when they are

trying to make the important decision on where to attend college. Nearly 71 percent of the students who attended receptions

"Volunteering gave me insight into the admission and scholarship selection process."

hosted by Georgia Tech clubs last spring have enrolled at the Institute, according to Mary Esther, assistant director of Alumni Relations.

"The receptions turned out to be a great partnership between the Alumni Association and the Office of Undergraduate Admission," Esther said. "Our alumni deserve a lot of credit for helping to put these receptions together. They really did a wonderful job. We hope to have receptions in even more areas next year."

The Alumni Association also has created an online student referral form so alumni can submit names of prospective students and request that they receive information from Tech at gtalumni.org/studentrecruiting.

The admission process is a little easier thanks to the availability of an online application, which accounted for 65 percent of the applications from the fall 2004 freshman class. The student creates a login account and password and can work on the application at his or her leisure. Once it is submitted, the online application is entered directly into the system and a confirmation page appears.

Online applications to Tech are increasing because of the ease of use, said Danny Easley, associate director of Undergraduate Admission.

The most recent change in the admission process is that an official transcript is no longer required from the high school at the application stage. Instead, students complete the self-reported academic record form, which is part of the application, and the Office of Undergraduate Admission will use that information to make preliminary admission decisions. A final transcript is used to verify all grades of accepted students.

The Office of Undergraduate Admission suggests that students submit applications by the Oct. 31 deadline so they may be considered for a variety of scholarships and financial aid, including the President's Scholarship and alumni club scholarships.

The deadline for submitting applications for financial



Deborah Smith, associate vice provost of Enrollment Services, says the biggest misconception students have about the financial aid process is that they think they have to be admitted to Tech before applying for financial aid.

aid is March 1. Financial aid forms are available online at www.finaid.gatech.edu.

Deborah Smith, associate vice provost of Enrollment Services, said students should apply for financial aid even if they do not think they need it or if they are not sure that they will be attending Tech.

"The biggest misconception students have about the financial aid process is that they think they have to be admitted to Tech before applying for financial aid," Smith said. "This is absolutely not true. Students should go ahead and send everything in before the March 1 deadline regardless of whether they have been accepted or not."

"Unfortunately, many students wait to apply for financial aid until after they have heard back from Tech, which is usually mid- to late March and then are too late

to qualify," Smith said. "Simply applying does not mean the student is making an enrollment commitment; it is just putting them in the applicant pool."

The Houston Alumni Club makes recruiting students one of its top priorities and, according to Rich, the most rewarding thing about volunteering is seeing the students succeed in their classes and become involved in campus activities.

"I haven't seen my first batch of kids graduate yet," Rich said. "I know it will be very special when they do."

More information about volunteering or club scholarships may be obtained by contacting contact Jeff Colburn, director of Alumni Relations, at (800) GT-ALUMS or by e-mail at legacy@gtalumni.org. **GT**

NICOLE CAPELLO



BUZZ HOW TIME FLIES

Buzz wasn't born in a boardroom. The sneaker-wearing, larger-than-life mascot was the brainchild of an enterprising student, Richie Bland, AP 81. This fall the yellow jacket in tights turns 25. *By Kimberly Link-Wills*

While Bland attended the Institute, his sister was a majorette at that university in Athens. The siblings debated the merits of a bulldog as a mascot versus an inanimate Model T.

Bland broached the subject to his roommate, Michael Swany, AP 80, who happened to be a Tech cheerleader, and Swany's girlfriend (and later wife), Tere Volmar, IE 82, a majorette. Bland sketched a yellow jacket mascot on a bar napkin and he and Swany went in search of someone to make a costume.

A costume designer at Six Flags eventually agreed to make the furry yellow jacket for \$1,400. Bland was responsible for making sure the bill was paid. Vollmar, through her connections with the Reck Club, quietly found a few alumni to help cover the tab.

"We kept it real quiet. Nobody else was involved," Bland said. "We had our reservations about whether or not it would be approved or accepted, so we

decided the best thing to do was to keep our mouths shut."

Buzz made his first appearance — a surprise appearance — at a pep rally before the Tennessee game in the fall of 1979.

"This was the first time anybody got to see the costume except one or two people," Bland said. "I just picked a moment and ran across the field."

"I think I took the costume off in a hurry and threw it in a plastic bag and ran back to the fraternity house with it. It created a little bit of excitement. People began wondering who it was. I knew for the mascot program to work it had to have support from the students and I needed to get a few fans on my side early."

Bland found a janitor on his side. The janitor gave Bland access to a closet where the Buzz costume could be hidden and where the young man could make his transformation into a yellow jacket.

"I remember I had to be very sneaky that first appearance," said Bland, who was ready to make his football game debut a few weeks after the pep rally.

"I tried to make it onto the field. I got stopped by security before I could," Bland said. "I managed to somehow get away from them and ran straight onto the field."

By the spring of 1980, Bland/Buzz was an official member of the Georgia Tech cheerleading squad. Initially he wore black Converse tennis shoes — until Bland saw the Tech track team practicing in gold Nikes and asked the track coach for a pair. Bland still has those shoes, the only part of his original Buzz costume that remains. The original \$1,400 costume was cut up to use as a pattern for a new yellow jacket.

From the beginning, Buzz was a rascally character. In those days, Tech didn't have a great basketball team — or a great deal of fans. There was plenty of room for

Buzz, wearing a helmet and kneepads, to roller-skate inside the coliseum.

"I tripped over a television cord one night," Bland recalled. "I went full steam into this stack of metal chairs and they all came toppling over. They stopped the basketball game. Some of the basketball players were actually over there helping dig me out from this pile of chairs."

Although he was uninjured, Bland convinced an ambulance crew on hand to carry him away. Bandaged from head to toe, Buzz made a miraculous return to center court during halftime.

Bland went on to graduate from the Medical College of Georgia and is now director of the Ray Richards Sr. Cancer Center in Carrollton, Ga.

But before he got out of Tech, Bland wanted to ensure that Buzz would continue to fly. He passed the wings on to a friend, Jeff Cooper, HS 85, who filled the sneakers as Tech's second Buzz in 1981-82.

'The Coolest Thing in the World'

"After doing Buzz, I created the audition process and got judges. I was the one who started the two Buzzes because there was so much to do," Cooper said.

He said the Buzz pass through the stands also began with him. Other beehaviors would come later. "Back then we didn't score very many points, so I didn't do push-ups or anything like that."

Because Cooper was the lone Buzz, he rallied the crowds throughout the games — even on the hottest of Atlanta days. But he didn't mind.

"I remember standing in the center of the field when the wave was going around the stadium. Being able to have that view was incredible," he said.

"I think the thing I remember the most is you had total free reign. That's what I miss. Now you go back and you're just a nobody," Cooper said. "The program is so developed now. You're kind of envious that you're not there now. I just take pride in that I helped create that."

After his year as Buzz, Cooper continued to work the crowds as a Tech cheerleader.

"By being involved in clubs, being Buzz and a cheerleader and interacting with all those people, you're learning skills that you definitely need when you go into the real world," said Cooper, a McDonough, Ga., resident and vice president of development for Henry Medical Center.

"Buzz is my claim to fame. When people find it out, they think it's the coolest thing in the world."

Buzz Brothers

For John and Mike Kluber, Buzz was a family beesiness.

John Kluber, ME 84, was the first in the suit, from 1982 to '84, followed by brother Mike, EE 87, from 1985 to '87.

John credits the "well-designed stinger" for protecting his beehind during all his Buzz antics.

"I would definitely say I was the first one to dive over the press table," John said. "I was in the tunnel and it was a big game. I bolted out of there, got up high and did a dive into a roll. The crowd gets you motivated. There's no fear, no pain."

There was some embarrassment, John said. "We had to go buy our own tights. It's kinda weird for a 21-year-old guy to go and figure out what size tights to buy."

But the exhilarating experiences made for extraordinary college years. John remembered being grabbed by the Clemson cheerleaders and passed up their



The Brothers Buzz John and Mike Kluber

stands. A Tech alum witnessed the Clemson pass and asked John for his autograph when he interviewed him for a job.

John understands why employers are interested in hiring Buzz.

"Engineers have a reputation for being introverts. They want somebody who has a personality. If somebody's willing to get in front of 100,000 people and ad lib and have fun, it says something about the individual," he said.

John and Mike haven't interviewed for a job in a long time. They've been business partners at Kluber, Skahan and Associates in Batavia, Ill., for the last 16 years.

While John has no scars from his Buzz days, Mike does. He messed up his knee doing his signature Buzz move — hurdling the press table.

"My wife (Renee Richard Kluber, Mgt 87) dogs me pretty good about my old mascot injury," Mike said.

He also has a scar on his chin. He split that open during the Tip-Off Classic.

"I was standing on the press table. I forget who we were playing, but I had their towel and I was blowing my nose with it and wiping my body with it. I threw it on the ground and for some reason I just did this belly flop on it."

Mike's chin hit the floor when he flopped, but he didn't realize he was hurt until he reached up to adjust his chin strap and noticed blood on his gloves. He rushed to the boiler room, where he had earlier made the transformation into Buzz and where an arena electrician had repaired a broken antenna.

"That same electrician put some duct

tape on my chin and I went back out," Mike said.

He laughed about the injury. His laughter grew even heartier as he remembered his encounter with a television sportscaster — "one of those bald guys."

"I was standing on the press table in front of him. I had a Georgia Tech towel they were handing out. I just started buffing his head. Normally you wouldn't be able to approach the guy and here I am buffing his head," Mike said.

The only part of being Buzz that was not a laughing matter was the costume itself. In those days, there was one suit — one very smelly suit.

"Since I was the junior guy, Jeff Jenkins always made me do the second half. Jeff is a great guy, but I don't think he ever cleaned it," Mike said. "One time John used a carpet cleaner on it. He put too much on it and it started frothing up when he got sweaty."

Mike still keeps a pair of gold Chuck Taylors in his closet. In fact, he wore them recently.

"On a dare I dressed up as Spongebob to raise money for a foundation and I wore them."

Resume Highlight

Jim Perrin, AE 88, remembers the first time he saw Buzz run across the basketball court and dive over the press table.

He knew that was the student life for him. And Perrin had a bit of experience inside a costume — a brief stint as Ricky Raccoon at Six Flags. Perrin tried out and earned the wings, portraying Buzz in 1985-86 and, after a year off to appease a girlfriend, again in 1987-88. Initially, he met with some skepticism. "My dad's first impression was like, 'Oh no, my son is wearing tights.' But after the first game, he came and found me and said, 'That is great. I am really proud of you.' He got past the tights," Perrin said.

He recalled the physical toll of the job.

"To some of the fans and especially the kids, you're Daffy Duck. The little kids will come up and stomp your feet and hit you in the groin. When they do the overhead pass in the student section, you're completely at the mercy of the three people who have most

of your weight on their hands. You'll get groped occasionally, but more often you'll just head off in some random direction. Then a big play will happen and sometimes you'll hit the ground. I probably wasn't dropped more than three or four times in two years, which is pretty good," Perrin said.

He revved up the crowd more than he had intended during his first performance at a basketball game.

"I got up over the press table, but I didn't tuck enough. I was kind of flying like Superman. I ended up landing on my head and skidding to a stop in a headstand with my feet still straight up in the air. The student section went wild. I had no idea what I was doing, but everybody was laughing and slapping me on the back."

Perrin said all the bumps and bruises were worth it when he heard the cheers.

"To run out onto the football field and hear the crowd roar when you're the only one on the field is definitely a buzz," he said.

Perrin also found that the stamina it takes to be Buzz appealed to prospective employers.

"I put it on my resume. Boy, that one always got a highlighter. The aerospace market was pretty hot when I got out. I probably had over a dozen interviews with all the big aerospace companies. Ninety percent of the time I heard, 'Tell me about being Buzz.' What was it like to come out at midfield at the Georgia game and have the fans scream?"

Other perks came with Perrin's job as Buzz. For instance, Perrin was able to shake hands with the legendary coach Bobby Dodd during Tech's 100th anniversary celebration. Dodd even signed an autograph.

"It says, 'To Buzz, a great Tech man,'" Perrin related.

He also was the first Buzz to drive the miniature Wreck. As a matter of fact, Perrin said he broached the subject of a mini car to John B. Carter Jr., IE 69, former executive director of the Alumni Association, who found a Tech grad willing to donate the go-cart outfitted with a fiberglass Model A body.

Perrin was behind the wheel during the car's first appearance in the Homecoming parade.

These days Perrin's past still comes up in conversation. Visitors to his office at Alcoa in Lafayette, Ind., are intrigued by the pair of high-top sneakers he keeps there.

"My wife actually had my Buzz shoes bronzed. They had sat in my closet and I didn't want to throw them away because they had such sentimental value," Perrin said.





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The first Buzz, Richie Bland, roller-skated at basketball games.

First Lady

There has been only one female Buzz — Susan Davis, Biol 91, currently a trustee for the Georgia Tech Alumni Association.

For Davis, Homecoming 1988 was her shining Buzz moment.

Most people inside the football stadium didn't know that Buzz was a girl — and they didn't care. They were too busy cheering for the beloved yellow jacket chauffeured into the stadium in a limousine as part of the "Buzz for President" theme.

"One of the fun things about being Buzz is you can get away with a lot of stuff you wouldn't normally as a person. I looked up and there was the sunroof. I got a wild hair and climbed out the sunroof and stood on top of the car as it drove onto the field. The fans went wild. It was great," Davis said.

She also recalled not-so-great moments when, like Perrin, she was treated like a cartoon character that could be whacked and trampled and magically restored by the next scene.

"I had a Clemson fan punch me in the face," she said. "You can't go after them. Everybody is watching and you might be on national TV. At a basketball game I was passed through the crowd and dropped on my head on the concrete.

"The very worst moment was my very first experience as Buzz, which was to go to a field day at an elementary school," said Davis, who took along a friend to help her make the transformation from human to insect. "We got there and realized they were mostly Georgia fans and the kids came at me. They punched me and pushed me backward and I flipped over a bench. I'm on my back and the kids are punching me and the parents are just videotaping it. My friend came over and helped me get up and we just left."

Davis was not scarred by her Buzz days. She too credited the mascot with helping her land her first job after Tech.

"A Tech alum was doing the interview. I think the first thing he said was, 'Tell me about being Buzz.'"

Jacket of Mystery

Jason Baglin still has an appreciation for the Buzz mystique and expressed reservations about going public with the revelation that he portrayed the mascot from 1995 to 1998.

"You want him to be Buzz. You don't want him to be Jason," said Baglin, ISyE 98, now based in Atlanta with Cerner Corp.

"My close group of friends knew I was Buzz. From a classmate perspective, very few if any knew. I would kind of disappear down a back hall with a giant black bag," he said.

Baglin may have had some difficulty maintaining the shroud of mystery when he broke his heel during a football game in the fall of 1995.

"I did a nine-foot jump from the first row of bleachers and I didn't brace myself properly for the fall," said Baglin, who was out of Buzz commission for more than four weeks.

Highlights from his Buzz days are much more fun to remember. Baglin, as Buzz, was featured in an ESPN "Sports Center" commercial with heavyweight boxer Evander Holyfield. Buzz/Baglin got to rub shoulders with the champ, sports commentators and other college mascots through four days of filming — despite the fact that once the commercial hit the airwaves, Buzz was visible for only about two seconds walking down a hallway.

Baglin said some of his biggest laughs came at a baseball game when a spectator asked Buzz to hold her newborn baby and pose for a photo. Buzz nodded in agreement. Once the photo was snapped, Buzz roamed the stands — with the baby cradled in his arms — for the remainder of the inning.

Baglin said getting the opportunity to interact with Tech fans both young and old was the most rewarding part of being Buzz and worth every tiring minute.

"It was a job. Buzz never has to worry about a test he has to take. Buzz is never tired. If you've got a test to take or you're



Buzz (Eric Taylor) parachutes into Bobby Dodd Stadium in November 1997.

tired, you still have to get in the suit," Baglin said. "But it was an absolutely fabulous time."

Flight of the Bumblebee

Eric Taylor took a giant leap for Buzz.

Actually, Taylor, BC 97, took three leaps out of an airplane as the one and only skydiving Buzz.

Taylor was already a member of the Georgia Tech Parachute Club when he landed the role of Buzz in the spring of 1995. To him, it seemed natural that Buzz should fly — except Taylor had never jumped out of a plane wearing a cumbersome costume and restrictive headgear.

He practiced, first with just the body on. He jumped with other skydivers to ensure Buzz's tail wouldn't interfere with the deployment of the parachute. The stinger didn't prove to be a problem. Jumping with Buzz's head on was the scary part.

"It's a very uneasy feeling. Visibility is bad. Imagine two globes that are intended to be eyeballs with meshing behind the globes. The globes are off center and you look upward to see out. When you look straight ahead, you're looking at black foam," Taylor said. "My practice landing went very badly. I just couldn't see anything. It was complete darkness, like a black mask going up over your eyes."

He found that he could look down toward the ground through Buzz's mouth. But the force of the wind as he fell to Earth blew Buzz's mouth shut. Through trial and error, Taylor discovered that he could prop open Buzz's mouth with dowels so that he could retain some visibility. Another skydiver would jump first to help give Taylor his bearings and direct him toward the landing site.

In 1996, Buzz glided into the baseball stadium and later at the dedication of a new field. Buzz landed his biggest jump on the 50-yard line at Bobby Dodd Stadium in November 1997 during a nationally televised football game.

"I lost my flying partner. I was flying over the Tech Tower at 3,000 feet for quite a while wondering where he was. There are lots of places in Midtown that wouldn't be good for landing," Taylor said. "But it came off so well. I landed at the 50 and ran into the goalpost. I stayed in the skydiving equipment so that spectators saw Buzz come in under the parachute and knew it wasn't hired help, that it was really Buzz."

After graduation, Taylor continued skydiving with a professional team in Florida until 2001, when he returned to Atlanta to work in real estate development. He also has continued his involvement with Buzz, judging tryouts for the last three years.

"Being an ex-mascot, I'm very critical that they make sure to retain the respect for the character. My cohorts Jim Watson, Jason Baglin and I made a great team. We all respected the character for what it represented — entertainment, a symbol of Georgia Tech. We would practice in front of a mirror to make sure our mannerisms were exactly the same no matter who was in the suit," Taylor said.

"I look back on the Georgia Tech experience and think that being Buzz was the best thing I could have done. I just loved to be in the outfit. It gave you license to do anything you wanted to do and you could do it anonymously. If you wanted to do cartwheels down the football field in front of 15,000 people, who cares? No one knew who you were."

Born to be Buzz

Bert Reeves, IM 00, has a picture taken of him when he was just a week old. He's propped against a Georgia Tech pillow. Reeves thinks he was destined to portray Buzz.

"The characteristics become second nature. When you put the head on, a switch flips. I'm not Bert anymore, I'm Buzz. You handle any scenario as Buzz would," said Reeves, who portrayed the mascot for three years.

"It's almost impossible to describe what it's like to be in the suit and in front of thousands of people," he said.

Flying across the country with President Wayne Clough as he made appearances supporting the Campaign for Georgia Tech was a unique occurrence for a student.

"It was one of the most beneficial experiences I had," Reeves said. "It was really a rare opportunity to get to know him."

"There are certain aspects that I will always miss," Reeves continued, sharing that basketball games, which gave him the opportunity to be on center stage as he did "the worm" across the floor, were among his favorite moments.

Reeves keeps his Buzz shoes, gloves and black tights in a trophy case. And he will always have bragging rights. He knows now that what professor Philip Adler once told him holds true.

"He always called me Buzz, not Bert. He said, 'Buzz, you don't realize this right now, but the fact that you're Buzz is going to pay dividends for the rest of your life. This is going to set you apart.'"

Pass the Deodorant

Kevin Manous, Buzz from the spring of 2000 until May 2003, was conscious of the mascot's body odor.

"When people would complain about how bad it smelled on the outside, I would think, 'Man, you should smell it on the inside,'" said Manous, Mgt 03.

"To wash it, we would take the costume apart, take the foam out of the stinger and wash it in a washing machine. You couldn't do that with the head. I would take that into the shower and use shampoo and conditioner on it. Then I'd hang it to dry in the shower at my fraternity house, Theta Xi. That scared some guys first thing in the morning."

Buzz is a hot property and Manous, now a missionary in East Asia with Campus Crusade for Christ, constantly fielded requests for appearances. Some of them weren't easy assignments.

"I did a couple of birthday parties for little, little kids. Half of the kids were scared to death of you and the other half wouldn't let go of your leg," he said.

More memorable Buzz moments included staging a fight on the basketball court with a friend clad as a referee, doing a set of commercials for ESPN and Capital One and taking aim at the Florida State cheerleaders and band with a giant squirt gun.

Buzz is the Best

Manous was one of the students portraying Buzz when Tech won the National Collegiate Mascot Championship for the third straight year in 2001. Manous wasn't in the suit for the winning performance, but he wrote the skit.

Buzz first took home the national championship trophy in 1988. Jeff Cunningham, EE 88, was Buzz back then. The yellow jacket beat out tigers from Auburn and the University of Missouri and a lion from Old Dominion University in the finals. Buzz — portrayed by Kevin Mawn and Glenn Goodrich — also won the title in 1993.

After the 1988 win, then cheerleading coach Bill McGinnis told TECH TOPICS, "There's a little bit of Buzz in all of us — a sense of mischief. Buzz can do things and get away with things that we can't get away with, although we might like to — sometimes." **GT**



GivingBack

Roll Call

Georgia Tech grads continue tradition of outstanding support

OUTSTANDING ALUMNI SUPPORT was the hallmark of the 57th Roll Call, which experienced a dramatic increase in the number of donors giving back to Georgia Tech.

With more than 1,200 new donors making pledges in 2003-04, the total number of alumni participating in Roll Call was 27,973, exceeding the yearly goal by 6.3 percent and raising a total of \$7,510,289, said Jim Shea, vice president for Annual Giving and Business Development for the Georgia Tech Alumni Association.

"We are seeing the Alumni Association engaging more people and providing great programs and opportunities for our alumni to become involved. As people do that, they see the benefits of remaining involved in Georgia Tech and they see the needs and they want to give back," Shea said. "TECH TOPICS and the ALUMNI MAGAZINE, Buzz Bash, clubs, our fantastic online presence through the Alumni Association Web site — these are ways we allow people to engage with us and that draws them closer to the Institute.

"Once alumni start learning more about the benefits offered by the Alumni Association and become more engaged with the Institute, they see what the needs are and what their contributions mean to the students and to the Institute and they want to help out. We are expanding our base of donors and that speaks well for the future of Georgia Tech," he said.

The achievements of the phonathon and clubs programs have been a factor in the overall success of the 57th Roll Call.

"People talk about telemarketers negatively, but that is not what phonathon is. We employ current Georgia Tech students and they relate really well to the alumni. They are interested in talking to alumni and the alumni enjoy talking to the students," Shea said. "The students we have working for phonathon really reflect the student body — they are highly motivated, very smart and committed to Georgia Tech. They are excited about being here and they are good ambassadors for Georgia Tech."



Janice Wittschiebe, vice chairman for the 57th Roll Call, celebrates a successful drive with Alumni President Joseph P. Irwin, left, and Vice President for Annual Giving and Business Development Jim Shea.

When Ron Carrier watches Georgia Tech students talking to alumni during a phonathon, he can see the connections being made between them.

"I think the number one reason phonathon is so successful is we have such dedicated students involved," said Carrier, who has been assistant director of Roll Call since February 2002.

The phonathon program raised nearly \$1.5 million in 2003-04 from 13,207 donors.

Another way for alumni to maintain their Tech ties is through the 75 clubs located around the country. Each club raises money for scholarships to send local students to Tech, and they encourage member support of Roll Call.

"The clubs are challenged each year to increase their number of donors by at least 1 percent of the total club population. With a club like the Gwinnett County Georgia Tech Club, that is about 50 new donors a year. If you keep doing that over time, that is 200 to 250 new donors, so that grassroots effort certainly helps," Shea said.

Increasing the number of donors means more than monetary

benefit for the Institute and for alumni, said Janice Wittschiebe, Arch 78, M Arch 80, vice chairman for the 57th Roll Call.

"A broader base of donors means that we can expect more consistent support over time. We have the highest percentage of alumni givers of any public university in the country," Wittschiebe said. "A larger number of donors reflects alumni satisfaction and that helps the Institute with national rankings, which adds to the value of our alumni's degrees."

Ensuring alumni satisfaction through a wide range of services — from social and athletics-centered events to career and educational support — is the true function of the Alumni Association, Shea said.

"Providing the services alumni want and need makes them feel good about the Institute and makes them want to support it more, whether for the first time or increasing their support or coming back with their support after being away for a while," he said. "Some people don't understand that the Alumni Association is a service to alumni. We engage and help alumni in many ways."

Tech Spirit

Clubs bring Institute experience to alumni throughout the country

WHEN IT COMES TO GIVING BACK, Georgia Tech clubs make all the difference in keeping alumni in touch with the needs of students and the Institute.

Most of the 75 Georgia Tech clubs around the country sponsor local students with scholarships and the regions with Georgia Tech clubs have a higher percentage of contributing to Roll Call than other areas, said Jeff Colburn, director of Alumni Relations for the Georgia Tech Alumni Association.

"The clubs and their members can get behind scholarships because they can see the results, but this year they have really become more involved in Roll Call," Colburn said, adding that more than 91 percent of club officers gave to the campaign and 86 percent of the clubs reached their goal of increasing participation by 1 percent during the 57th drive.

Clubs provide alumni near and far the opportunity to stay connected to Tech through student recruiting, camaraderie of club events and opportunities provided by networking with other alumni, Colburn said.

"It gives them a chance to be involved in their community and with people from their community through family events, TEAM Buzz, life enrichment programs and continuing education opportunities and still stay in touch with Tech. By creating a core group of friends with the common bond of Tech, they can share the experiences of sporting events, game-watching parties and other activities," he said.

Jane Stoner, associate director of clubs, said the individual goals of each club give members some ownership to how they give back to Tech.

"The success of each club is entirely dependent on the leadership in that area. Without dedicated alumni volunteers in each community, our clubs would not be as successful as they are. This speaks to the desire to be connected to Tech and they are the driving force behind what we do," Stoner said. "We help them coordinate their efforts, but it is up to them to choose how they want to be involved."

For information on clubs, contact Stoner at (404) 385-2216 or jane.stoner@alumni.gatech.edu. **GT**



Melanie Stevens, Jane Stoner and Jeff Colburn

Anonymous Angel

DramaTech receives gift from alumnus honoring Jim Dull

By Maria M. Lameiras

DramaTech has received an anonymous gift of \$250,000 from an alumnus in honor of Dean of Students Emeritus James E. Dull.

The funds will be used to make improvements to the DramaTech theater and to create an endowment for DramaTech administered by the Georgia Tech Foundation, said Greg Abbott, artistic director of DramaTech.

"The alumnus got in touch with Dean Dull and indicated he wanted to make a gift in his honor and Dean Dull, who is a longtime supporter of the theater, asked that it be given to DramaTech," Abbot said.

The theater where DramaTech performs is named for Dull and he is the honorary chair of "Friends of DramaTech," an alumni group of former DramaTech participants. He and his wife, Gay, also support the group through scholarships.

Abbott, who is in his 20th year as head of the theater troupe, said support has grown steadily since he came on in 1984.

DramaTech receives a portion of its regular budget from the Foundation, in addition to funds from the Student

Government Association and the Ivan Allen College.

"Support for the theater and for DramaTech has been tremendous," Abbott said.

Each year DramaTech produces four main stage shows including one musical production, multiple smaller shows by the group's improvisational troupe Let's Try This, two shows by the musical theater group VarietyTech, two sets of student-directed, one-act plays and a murder-mystery dinner theater production in conjunction with the Student Center Programs Committee.

Abbott said the number of students involved has steadily increased.

"The fact that in the School of Literature, Communication and Culture we are teaching classes in Shakespeare and dramatic literature and that we have a theater in our back yard is tremendous," said Abbot, who teaches classes in acting, directing, set construction and lighting in the school.

Dull said he was happy to have another opportunity to support DramaTech.

"The alumnus called me and said a lot of nice things and told me he wanted to give \$250,000 to spend on Tech and to



DramaTech director Greg Abbott, left, and Dean of Students Emeritus Jim Dull

reflect what my passion was," Dull said. "I was glad to be able to select a direction for this money and my number one interest at this point and for some time has been DramaTech."

Dull and his wife, Gay, became aware of DramaTech when they arrived in 1957 and over the years have supported it both in spirit and financially since seeing their first DramaTech production, a Shakespearean play performed in the old Crenshaw Building.

"We started going and we've almost never missed a production since," Dull said. "Both Gay and myself were very active in drama and musicals when we were in school ourselves and DramaTech

has become one of our passions."

As dean of students and as a member of the administration, Dull championed DramaTech and its search for a permanent location, for which the students thanked him by naming the theater for him. The Dulls have also established the Gay K. Dull Scholarship, which is awarded to two seniors each year who have been deeply involved in DramaTech.

"This gift is a big shot in the arm for DramaTech. It will continue to be as a certain amount has been put into an endowment for future use and will generate money from year to year for them to use for whatever need is most appropriate." **GT**



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1,000 SCHOLARS

Since its start 23 years ago with just six students, the President's Scholarship program has excelled at producing leaders. By Maria M. Lameiras

AS A PRESIDENT'S SCHOLARSHIP STUDENT at Georgia Tech, Lisa Hofler was on the women's crew team, helped found a local sorority, held an undergraduate research assistantship and was an assistant on the Grady Hospital staff.

She was also a member of College Democrats, the Society of Women Engineers and SWARM — the cheering section of students in gold present at football and basketball games and other campus events. Hofler managed all of this while maintaining a 3.9 GPA.

In May, she became the 1,000th President's Scholarship graduate, earning a bachelor's degree in chemical engineering with a minor in French.

The President's Scholarship is Tech's most prestigious merit scholarship, offered to entering freshmen who have demonstrated superb leadership skills, are among the top in their class in academic performance, are involved in extracurricular activities and show promise of continuing such performance in college and beyond. In addition to a financial stipend, benefits include special study abroad stipends, early registration for classes and guaranteed campus housing.

"I remember Lisa coming to me during her time at Tech and asking, 'Am I a good President's Scholar?'" Randy McDow, director of the President's Scholarship program, said. "I couldn't believe she was asking me that, but the expectations of President's Scholars are tremendous — from the alumni who invest in the program to the faculty expecting them to excel in the classroom to others looking to them to provide leadership.

"We put a lot of demands on these students. We expect them to keep their grades up, write to their donors, recruit the next class of President's Scholars and compete for — and win — prestigious scholarships such as the Marshall and Goldwater scholarships while they are here. This is very positive for them because they are given certain privileges, but because of that they also realize they have great responsibility. There is pressure, but it is a positive pressure," McDow said.

The President's Scholarship program started in 1981 with six scholars. This fall, the program had 4,500 applicants.

"Of that 4,500, we interviewed 450, invited 120 to President's Scholars' Weekend, offered the scholarship to 101 potential students and enrolled 64 scholars for the fall," said McDow, IE 95, MS PubPol 03, who attended Georgia Tech as a President's Scholar. "Our group varies in size from year to year, but we want a group that is small enough that we can know every student by name and recognize their parents and give them individual help, but not so small that they don't have another President's Scholar in their major or in their organization or that we



President's Scholar Lisa Hofler, ChE 04, with program director Randy McDow, now attends medical school.

diminish the network they have on campus."

Hofler, who graduated from Hickory High School in Chesapeake, Va., said it was the President's Scholarship program that first attracted her to Tech.

"My mother found out about the program from a President's Scholar who is a couple of years older than me. I applied for the program and was accepted, and it has been perfect for me," Hofler said.

"I really liked math and science in high school and Georgia Tech was the right size school for me. I also made

a lot of connections on President's Scholars' Weekend, so I already knew almost 100 people coming in the door and I felt luckier than most other people. I like 'doing' and you meet all these other 'doers' — it is very exciting," she said.

"It also helped that Randy and the rest of the staff were very supportive of everything we did. I knew if I ever wanted to get anything done or to do anything special, I would mention it to Randy and he made it easier to execute an idea. Being a President's Scholar gives you a lot of connections."

“We put a lot of demands on these students. There is pressure, but it is a positive pressure.”

In July, Hofler began medical school at Emory University, where she is considering studying sports medicine.

"Actually the President's Scholarship program had a lot to do with my decision to go to medical school," Hofler said. "I had a lot of people to talk to about going to medical school. That's how I found out I could shadow a resident as a staff medical assistant at Grady Hospital and find out whether I liked it or not."

McDow said all of the students interviewed for a President's Scholarship are outstanding, which makes the selection process difficult.

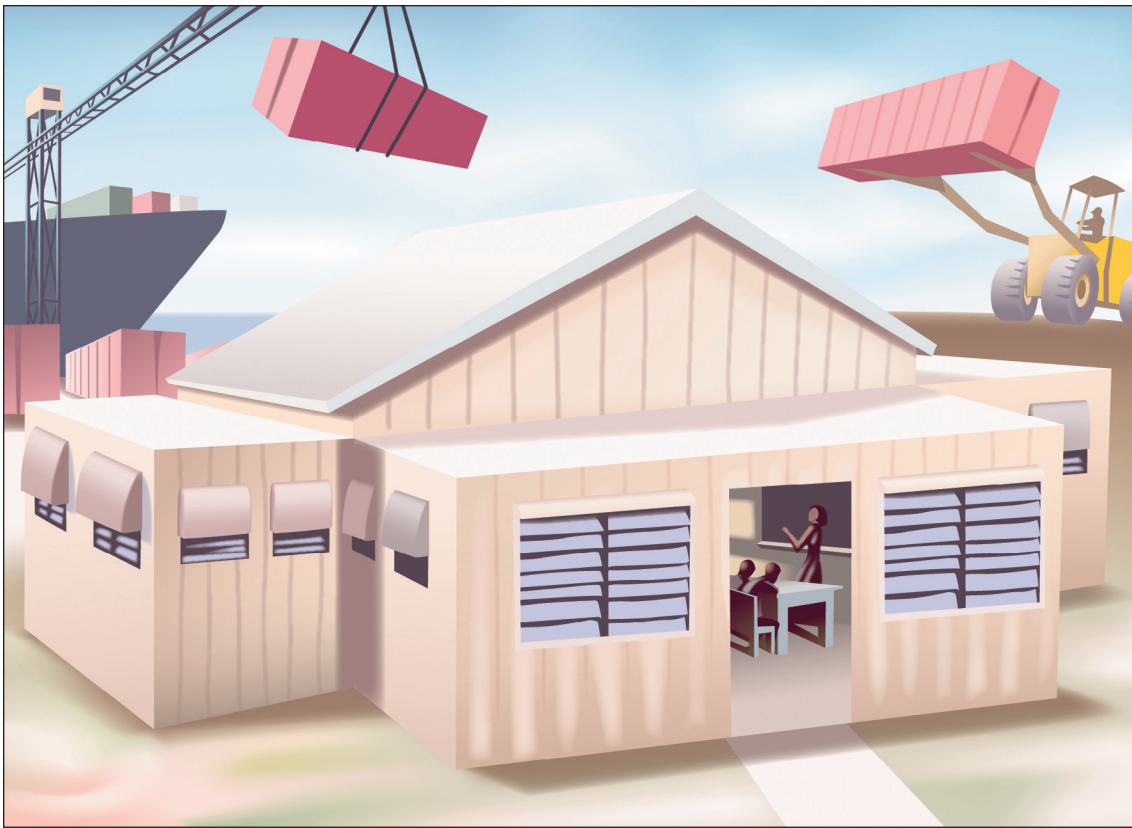
"Students today are so geared toward the college application process. They start so early with activities that can help them — they have played sports, were involved in clubs and have excellent test scores," McDow said.

"The summer before I started at Tech I worked at a theme park for the summer. Today, these kids are traveling to Europe or coaching a sports team or doing research before they start at Tech. They are very directed and dedicated." **GT**

Containing Poverty

Alumnus, retired professor build humanitarian business designed in the classroom. By Kimberly Link-Wills

DAVID MOYERS



Global Peace Containers has converted shipping containers into a school housing about 150 children in Jamaica.

GLOBAL PEACE CONTAINERS co-founders Soren Ludwig and Dick Martin work for no pay, but the rewards may be richer than any salary.

Their efforts have led to the opening of a school in Jamaica and the current construction of an orphanage on the island.

The humanitarian business was hatched on the Georgia Tech campus, where Martin taught building construction and industrial design and Ludwig studied electrical engineering.

Ludwig, EE 98, said in order to keep his sanity he took his roommate's advice.

"He said, 'This professor is really cool. Come on over and help with some of his projects.' I had a lot of classes that were very intense. Special topics courses where you can use a little imagination really let off some steam and teach students how to work with each other and get things done. As a group it was such a beautiful thing to get away from the theory and the books and actually get your hands dirty," Ludwig said.

Martin, who retired in 1999 after 24 years at Tech, preferred not to stand before a class talking. "I wanted to teach through projects, not lectures, to teach sustainability," he said.

In the mid-'90s, an Atlanta businessman approached Martin with the idea of converting railroad cars into shelters for the homeless. The professor and his students launched the project, which caught the attention of CNN.

A West Coast businessman with a dock full of old international shipping containers saw the CNN story and called Martin. "He asked, 'Why couldn't we do it with shipping containers?' It was done in a typically Georgia Tech way, to try to make it work simply. They gave us three containers and said, 'What can you do?'"

"You can't get rid of shipping containers very easily. It was a sustainability issue, helping industry get rid of containers. How do you take waste material and make it useful? Docks are overloaded with these containers. It's not a positive thing for industry. They're unsightly," Martin said.

"There were building construction students and industrial design students and this strange electrical engineering student. We made models and laid them out," he said. "We made one serious mistake and that was a cultural bias. We kept thinking of them as mobile homes. Then my wife and I went to South Africa."

Both he and his wife had suffered illnesses and decided to fulfill a dream of retracing the steps of Martin's famous ancestor, the explorer David Livingstone.

"Soren said, 'Go look at what they're doing with containers,'" Martin recalled.

While in Africa, Martin met a man who was building a cooking school out of international shipping containers to help impoverished people get jobs in Cape Town restaurants. He visited a 48-room hotel made out of more than 50 cast-off containers.

"I had a revelation. Their cultural bias was villages and huts, using the containers as modules," Martin said.

Back in Atlanta, Global Peace Containers Inc. was formed. A Catholic bishop asked for help in the construction of a school in Jamaica. Martin was on site as the school went up in just one month at a cost of \$10,000.

The elementary school in Cross Keys, Jamaica, opened in 2000 and consists of four containers placed corner to corner with a center courtyard. Openings were cut out for windows and doors. About 150 children now attend the school.

"We used Jamaican labor with engineering and architecture from America," Ludwig said, adding that the schoolchildren were proud of their parents' involvement

Burdell&Friends



STANLEY LEARY

Soren Ludwig will make room in the shipping container for these photo sensors. Used to automatically turn on streetlights at night, the sensors are among the building, school and medical supplies that Global Peace Containers Inc. sends to the "poorest of the poor."

in the construction of the school. "They got to say, 'My dad painted this wall.' 'My mom cleaned out those trees.'"

"There are people who live so rough down there. They are the poorest of the poor. Getting to go down there and help people is almost like being a revolutionary against poverty," said Ludwig, who travels to Jamaica about every three months.

Global Peace Containers purchases retired international shipping containers for about \$1,000 each. They can be converted into medical facilities, community centers or emergency housing — whatever the need. The eight-acre orphanage outside of Montego Bay, Jamaica, is being constructed of 44 shipping containers.

Ludwig said the containers, made of steel or aluminum and designed to support extreme loads, are hurricane resistant and watertight and can be set up quickly following disasters. Brick, stone or wood facades can be added and the structures are easily expandable simply by adding more containers.

Ludwig has been devoting himself to Global Peace Containers since graduating from Georgia Tech. He works as an electrical and computer engineering consultant and is CEO of Golden Triangle Holding Co., which has real estate throughout the Southeast. He gives about 20 hours a week — much of that for fund raising and item donation — to Global Peace Containers.

"All of my friends from Georgia Tech have had such an understanding of the need to keep this planet educated and out of poverty and to take time out to give a little back," Ludwig said.

While Global Peace Containers is concentrating on Jamaica, there are other groups that provide refugee and disaster housing built from shipping containers in places such as Afghanistan and Iraq.

"We have a lot of plans that we send out to schools in India and Africa," Ludwig said. "We have people call up from around the world all the time. We have a sister company called Project Happy Child that sends scholastic exams, homework programs and course programs to schools all over the world."

Ludwig gets donated school supplies wherever he can, including from Atlanta's Pace Academy and St. Pius X Catholic High School, where his sister, Eugenie, graduated this past spring. She is now a Georgia Tech freshman. The family Tech connection also includes parents Laurenthia Mesh, AB 72, and Charles Ludwig, Mgt 74.

"Georgia Tech has always been the Varsity of education for the state of Georgia. You're going to get an all-

you-can-eat education at Georgia Tech if you're able to step up to the plate," Ludwig said. "People are so hungry for education in Jamaica. The families are so proud of their children when they get into school. The saddest thing is their families can't even afford the pencils and paper to go to school."

After the orphanage is completed, Ludwig hopes to build a 100-acre village entirely out of shipping containers. He said that villagers could support themselves through the manufacture and sale of arts and crafts and a sustainable farm.

"Georgia Tech lighted the way in my life. I'm trying to bring the electricity of education to light the world," Ludwig said. "When you put a roof over people's heads or provide a place for them to meet, that starts the ball rolling."

Martin said Global Peace Containers needs the help of smart businesspeople with big hearts.

"I'm an old industrial designer. It's got to be a business. You have to make it profitable," Martin said.

He said corporations want to rid ports of the unsightly shipping containers, but they also want to make money. Global Peace Containers Inc. has garnered positive attention from the State Department and the U.S. Agency for International Development, but the wheels of change turn slowly.

"It is a cumbersome process," Martin said. "We just got started, then 9-11 happened."

He said the island of Jamaica could receive a huge economic boost if containers, many of which are simply dumped there, could be prefabricated on the island and shipped around the world to house orphans in Mexico, educate children in Africa and give medical aide to refugees in Afghanistan.

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The Ramblin' Roll

1940s

John S. Hard, IM 41, is retired and living in Dandridge, Tenn. After graduating from Tech he served in the U.S. Navy, attaining the rank of lieutenant commander. He then attended graduate school at the University of Alabama and earned a master's degree from Emory University. He worked with American Enka Corp. and Monsanto Co. in labor relations and personnel management before his retirement in 1982.

Frank Parker Hudson, ChE 41, received an Award for Advocacy from the Georgia Historical Records Advisory Board for his publication "Wilkes County, Georgia Tax Records, 1785-1805" and for creating a trust fund to raise awareness about preserving unbound courthouse records in Georgia. Hudson lives in Atlanta.

Floyd A. Peede Jr., IE 48, now lives in Americus, Ga., after retiring as a stockbroker in Florida. Peede retired from the U.S. Air Force as a colonel in 1972.

Frank Schimmenti, ME 49, and his wife, Jeanne, celebrated their 60th wedding anniversary July 27. The couple live in Boonton, N.J.

1950s

Robert S. "Bob" Duggan Jr., EE 51, MS EE 56, and his wife, Kathleen Ringwald, will celebrate their 50th wedding anniversary on Nov. 20. The couple have five grown children and 10 grandchildren and live in Atlanta.

Melvyn P. Galin, IM 53, has been elected vice chairman of the citizens advisory board at the Department of Energy's Savannah River Site. Previously he chaired the strategic and legacy management committee of the board. Galin is president and CEO of the Institute for Educational Services Inc., executive secretary of the National Conference on the Advancement of Research and is a member of the executive board and secretary of the Coastal Venture Investment Forum. He is associated with the Galin Co., which provides strategic planning and merger and acquisition

consulting. Galin retired in 1992 after 27 years with the MITRE Corp.

Thomas B. Holman, AE 52, has purchased a BT-15 aircraft similar to one he owned during his senior year at Georgia Tech. Holman is co-owner of Sun Aviation in Vero Beach, Fla.

Forrest Wayne Pate, IM 57, has been named to the board of trustees of Birmingham, Ala.-based Baptist Health System. Pate is a former chairman of the Baptist board. He retired as president of Golden Flake Snack Foods Inc.

Ray H. Pettit, EE 54, MS EE 60, has published a book, "Mill-Village Boy," about his life. The book chronicles growing up the son of Depression-era mill workers and becoming an engineer, scientist, military officer, author, inventor, professor, poet, songwriter and background actor in movies. The book is available by visiting www.1stbooks.com. Pettit lives in Tarzana, Calif.

1960s

Al Argroves, IM 68, has joined Custom Molders Inc. in Henderson, N.C., as materials manager, with responsibilities for customer service, planning, scheduling, purchasing, shipping, receiving and warehousing. Argroves' role includes the support of lean manufacturing and planning for a doubling of plant capacity and business over the next year. CMI is an operating unit of the Detroit-based Piston Group, a supplier of plastic components to the automotive industry. Argroves and his wife, Ginger, live in Hillsborough, N.C.

William A. Coley, EE 66, has been selected to the board of trustees for Peabody Energy. Previously, he served as president of Duke Power and retired in February 2003 after a 37-year career with the organization. Coley is a registered professional engineer in North Carolina and South Carolina. He is a member of the North Carolina Economic Development Board and co-chair of the Governor's Business Council for Fiscal Reform. He has served as trustee of Queens University of Charlotte and



Dennis Stewart, left, has been the math chair for the Governor's Honors Program for 20 years.

Teaching Star

Dennis Stewart has won top awards for his skills

By Maria M. Lameiras

WHEN DENNIS STEWART EARNED HIS BACHELOR'S and master's degrees from Georgia Tech, teaching was not on his career chart. It took a recession for him to walk through the schoolhouse door. Now he's one of the best.

Stewart, Math 74, MS IE 76, has been Rockdale County Teacher of the Year and a seven-time Rockdale County STAR teacher and in 1988 received a Presidential Award for Excellence in Science and Mathematics Teaching, which is given to one secondary math teacher and one secondary science teacher in each state each year.

"I got out of Tech in the middle of a recession. I grew up in Rockdale County and I knew people out there. The principal of the high school told me if I got certified as a teacher, he'd give me a job," Stewart said. "I went back to Georgia State University to get the education courses I needed while I perused the job market for a fallback position, then I started teaching. I enjoyed it."

He has taught math in the Governor's Honors Program since 1980 and for the past 20 years has been department chair in mathematics for the six-week summer program.

Stewart has also sent dozens of students to Tech both from the Governor's Honors Program, in which he participated as a rising high school senior in 1969, and from Heritage High School in Conyers, Ga., where he has taught math and advanced placement calculus and physics for 27 years.

"From my perspective, the Governor's Honors Program gives you the opportunity to keep learning things. We teach things that aren't taught during the year. We are exposed to things we'd never learn about except by teaching down here," said Stewart. "Each year the teachers are given the courses we will be teaching and we peruse it enough to get proficient enough to teach it, and we learn more as we teach."

"Teaching is a skill. You can polish and hone

it just like anything else. The opportunities you get in different settings give you new ideas of how to approach things, not so much in terms of the material, but your technique in presenting it. In the midst of all of these schedule changes and block schedules and extended days and extended school years, you have to find new and more effective ways to teach," Stewart said.

"A lot of times students are frustrated with math because they've never really understood what they were doing, especially in the younger grades where they are taught mechanically. If I can give them a sense of what they are doing and why and what's happening while they do it, they become interested in it," he said. "You need to give them math that is going to be useful to them. If you present it in that fashion, they are fairly receptive to it."

Stewart said the Governor's Honors Program has kept his mind sharp during his teaching career.

Although the program is designed to provide intellectually gifted and artistically talented high school students challenging educational opportunities, it doesn't mean presenting cutting edge of mathematics.

"The kids are bright and they are challenging and fun to work with. It keeps you fresh and keeps you going. We are not allowed to teach what is taught in the public school during the school year and we can't go past what they will do in school the next year, so everything has to go sideways," Stewart said.

"One of the courses I taught this summer is called polynomials and it is based on the theory of equations and how to solve equations by hand like they did years ago before we had all the machinery. It teaches the techniques and things people knew about then that we don't have to know about now," he said. "It is not applicable in my calculus classes now, but having an understanding of the old techniques is intellectually stimulating."

Core Values

Bill Harris' success formula follows Golden Rule

By Amy Leigh Tyson

BILL HARRIS HAS AN INCONVENIENT FORMULA for running a successful business — follow the Golden Rule.

Harris, IM 59, of Americus, Ga., is chairman and former president of Glover Wholesale Co., a family-owned food service business that operates in three states and has annual sales of \$45 million. He is also the former president of Sumter Bank & Trust. When he retired in 1994, the bank's assets had increased to \$164 million from \$10 million in 1980.

"The key to success is the Golden Rule — to treat others as you would like to be treated," Harris said. "It's so simple, but we don't follow it enough."

The company — which does business as Glover Foods in Americus and Glover Sol-Loeb in Columbus, Ga. — has entrenched its commitment to ethics in its business statement that sounds incongruent with the boom and bust of the dot-coms.

A preface to the company's five core values reads: "Values are a guide to your behavior. Once you proclaim a value, you can't toss it aside just because it may be inconvenient. A value holds up in the tough time, or it is not a value — it is a feel good slogan of the day or it is ethics of convenience."

Harris said Glover strives for a work environment that breeds fairness and integrity for all involved.

"That does not mean, however, that we don't face tough decisions such as letting an unproductive employee go. But we do it in a manner that is humane for the person involved," Harris said.

"Nor does our mission statement require us not to be competitive. In the right way, we're going to be competitive. If we act accordingly, the numbers will fall into place."

That too is one of the company's values. "We believe in being honest and fair to all concerned, including our competition, but we will compete hard and give service to our customers beyond the call of duty."



Bill Harris directed Glover Foods in Americus, Ga., to business prosperity.

Harris followed his older brother, George W. Harris Jr., IM 56, to Tech, but he was also strongly influenced by two Americus High School football coaches who also were Georgia Tech coaches — John Bell and Jim Luck. He said they acted as mentors, imparting sportsmanship and instilling moral fiber into their players.

A member of the Sigma Alpha Epsilon fraternity, Harris was elected to the student council at Tech and was in Navy ROTC.

After graduation, Harris served in the Navy ship. During that time he married his hometown sweetheart, Laura Ann Lee. They have been married 44 years and reared three sons — Bill Jr., IM 84, Lee and David. His wife, Harris said, is a "true soul-mate. She has tremendous moral character and is a hugely positive influence on me."

The couple returned to Americus after the Navy stint and Harris joined Glover and then a local bank. Later he led the start-up of Sumter Bank and Trust and saw it grow into the largest bank in the community.

In 1978, Harris bought controlling interest in Glover and had the "incredibly rewarding" pleasure of making his father, a 40-year veteran of the company, head of the firm.

In retirement, Harris has been active as a volunteer. Volunteerism, he said, is "a charge, not a choice. I think it ought to be an obligation. We need to do whatever we can to improve the quality of life for people."

Harris was instrumental in founding the Sumter County Boys and Girls Club in

Americus and served as its president for three years. He is actively involved in Habitat for Humanity International, an Americus-based nonprofit builder. In 2000, Americus was the first city to eliminate poverty housing, using the Habitat model as a guide.

Former Georgia Gov. Zell Miller appointed Harris to the State Board of Technical and Adult Education in 1993. He served a total of 10 years, three as chairman.

"I don't know of anything that is improving the quality of lives for Georgia citizens more than our technical schools," Harris said. "It's almost spiritual to go into one of the classrooms and see people from all walks of life concentrating and to know that they'll be going into our local workforce in six to 12 months with viable skills."

Harris' passion for advancing adult education spills over into his concern for overall education today. He urges parents to be actively involved in educating their children.

A member of the First United Methodist Church in Americus, Harris said his faith is an important part of his life. "No matter how low you get, your faith carries you through. It's ultimately your faith that allows you to see the light at the end of the tunnel."

Harris said his definition of a successful life is not hinged on his financial statement.

"I certainly don't think money is the main motive — rather, to raise a family who are good citizens of the community in which they live," Harris said.

the U.S. Small Business Administration. Hudson is the founder and chief executive officer of R.L. Hudson & Company of Tulsa, Okla. Started in a spare bedroom in 1980, the firm now supplies highly engineered rubber and plastic components to some of the largest manufacturing companies in America.

William M. Lindsay, IE 62, has received the Crosby Medal from the American Society for Quality. The medal is presented to the individual who has authored "a distinguished book contributing significantly to the extension of the philosophy and application of the principles, methods or techniques of quality management." Lindsay is co-author of the book "The Management and Control of Quality." He is a professor emeritus of management at Northern Kentucky University in Highlands Heights, Ky., where he teaches a series of courses in project management and quality in the MBA program. He lives in Fort Mitchell, Ky.

Thomas R. Rutherford, CE 62, received an Exceptional Civilian Service Medal from the Defense Threat Reduction Agency for his service as program manager at the fissile material storage facility at the cooperative threat reduction directorate of the agency in Mayak, Russia, from May 1999 to January 2004. Rutherford retired from the agency in January. He lives in Spotsylvania, Va.

1970s

Vincent Addonizio, MS IM 78, has been elected to the board of directors for Liquidmetal Technologies Inc. Addonizio has also been elected to serve as lead independent director of the board. Addonizio is president and CEO of Regency Strategic Advisors Inc., a firm that he founded to advise select corporate clients on strategy, operational improvement, profit enhancement, business development and mergers and acquisitions.

Kevin R. Cantley, Arch 76, has been made a member of the Buckhead Coalition, a nonprofit organization of business and civic leaders whose purpose is to plan and implement programs for improvement of the Buckhead area of Atlanta

Union Theological Seminary in Richmond, Va. He is also a director of CT Communication Inc., SouthTrust Corp. and British Energy.

Peter A. Finzel, IE 69, received his PhD of management in organizational leadership from the University of Phoenix in March. He is current manager of munitions soft-

ware for the U.S. Army Department of Defense project office at Redstone Arsenal in Alabama. Finzel has 35 years of experience as a systems and computer engineer. He and his wife, Ginger, have three grown children and one grandson. They live in Hampton Cove, Ala.

M. Hill Hammock Jr., Math 68, has been selected as

vice chairman of LaSalle Bank Corp. of Chicago. He will continue serving as chief operating officer. Hammock's responsibilities include overseeing the technology, operations, human resources, cash management and administrative services division of the company. He has worked for LaSalle Bank Corp. since 1975.

Quill O. Healey, IM 60, has been named to the board of directors of Flag Financial Corp. in Atlanta. Healey is retired chairman of Marsh USA Inc. and currently is the chairman of Healey Investments, an investment holding company.

Rick Hudson, IM 67, has been named Oklahoma's Small Business Person of the Year by

MINING DIAMONDS

Presidential award winner seeks to motivate young people

In a hot gym packed with students, parents and teachers, Tulane professor and motivational speaker Calvin Mackie stood up to speak at a gathering honoring the Cedar Grove High School class of 2004. Pumped with spring fever and the thrill of a special occasion, the raucous crowd was less than attentive to his opening remarks thanking the senior class for inviting him, thanking parents for attending and thanking teachers for guiding the students. **By Maria M. Lameiras**

Then he dropped this little gem.

"I am thanking a lot of people here but that is because we have raised a whole generation of children who do not know the meaning of the words 'thank you' and I do not want to be confused with them," Mackie declared.

Suddenly a rowdy student body was silent while laughter erupted from parents and teachers.

Seizing the thread of attention, Mackie began to spin a speech built of personal stories, morality tales and common-sense advice he hoped would stick with the young men and women he addressed.

"If I can help somebody, one person, then my mission has not been in vain. If after they listen to me something has been released or explained, if they see someone in a different light or a young man carries himself differently, then I have accomplished something," said Mackie, ME 90, MS ME 92, PhD 96, an associate professor of mechanical engineering at Tulane and a speaker on the topics of education, motivation, achievement, leadership, African-American history and culture.

In May, Mackie received a Presidential Award for Excellence in Science, Math and Engineering Mentoring at the White House. 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. Mackie received a grant for \$10,000 and a Presidential Commendation certificate at the ceremony.

The White House is a far cry from New Orleans, where Mackie grew up the third of six children of a self-employed roofer and a homemaker.

"All my parents were able to give us was discipline and a strong work ethic," he said. "This generation is so busy pursuing the trappings of capitalism they haven't taken the time to give their kids the values and morals they had when they had nothing else."

As a young man Mackie was an excellent basketball player, winning all-city honors, and like many young men, he dreamed of playing professional basketball. A shoulder injury as a teen-ager put an end to that dream, but it was the beginning of a new dream for him.

"I went to one of my teachers and said I wanted to be an engineer. She asked me if I knew what an engineer was and I said I didn't know but it sounded good to me. She told me I'd have to take the SAT to get into a good college. I didn't know what that was because in Louisiana everything is about the ACT," Mackie said.

Several weeks after the test, Mackie received his score — 850.



Calvin Mackie emphasizes the importance of mentoring young people.

"I didn't know that was bad. I went to a college fair and I went up to the Georgia Tech table and the man asked me, 'What's your SAT score?' so I said, proudly, '850.' He said, 'Son, you have issues. Go over there to that table and maybe they can help you.' He pointed me toward the Morehouse College table, so I went over there and the man asked me what my SAT score was and I told him, a little less loudly. He said, 'Son, you have issues. But I can see you are a diamond in the rough, but a diamond sure enough. Let's see what we can do.'"

Mackie was granted a conditional acceptance to Morehouse with the requirement that he take remedial reading courses.

"That summer I went to the summer science program at Morehouse and the other students laughed at me because of the way I talked," Mackie said of the thick Louisiana accent he once had.

That sting steeled his determination to succeed. He completed his remedial classes and began working on his degree, earning his math degree from Morehouse in three and a half years, then heading to Georgia Tech as part of the dual degree program with the Atlanta University Center. When he earned his PhD, he became one of 11 African-Americans in the United States to receive a doctoral degree in mechanical engineering in 1996.

When he received his award this year, Mackie called his father, Willie Mackie. His mother, Martha, died of cancer in 1994. "I told him I was going to the White House to receive an award and he said, 'That's where you belong, in the White House. Go, and call me when you get there,'" Mackie said with a laugh.

Mackie said such encouragement has helped him achieve success. He recalled his mother dropping him off at Morehouse College at the beginning of his freshman year.

"She took me up to my dorm room and looked around and said, 'No, this is not good enough for my baby.' So we went to the store and she bought sheets for the bed and towels for the closet. She cleaned the room, then she went down the hall and looked at the bathroom and she said, 'No, this is not good enough for my baby,' and she took Pine Sol and poured it all over and cleaned the bathroom.

"When she was finished with that she gathered up her things and went back down to the car to leave to drive back to Louisiana and I stood there watching her go with tears streaming down my face. She stopped the car and backed up and said, 'Why are you crying? If this is not where I raised you to be, get back in the car and I will take you home.' I told her that I was going to stay and this time as she drove away I was thinking, 'Well if that's your attitude, go on back to Louisiana.' But now I realize why she did it."

When the time came for his youngest brother to start school at Julliard in New York, Mackie was the one to take his late mother's role.

"I dropped him off in exactly the same way, except I told him he'd have to clean his own bathroom," Mackie said with a laugh. "And when I drove away and saw him crying, I went back and gave him the same speech my mother had given me. I can just imagine what he was thinking as I drove away the second time."

Mackie began encouraging other youths while in college when he and a friend began speaking to high school students about pursuing science and engineering careers. In 1992 they formed Channel Zero, an educational and motivational consulting firm that is now located in Louisiana.

"I was just trying to give back that which was given to me in high school, at Morehouse and at Georgia Tech," he said. "I tell young people now that not everyone who looks like you is your friend and not everyone who looks different than you is your enemy."

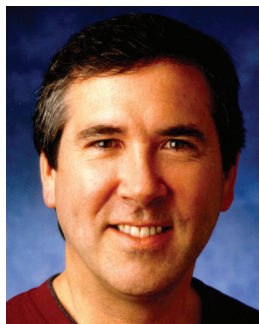
"In my eight years at Georgia Tech, the people who were most important to me were Dr. Carolyn Meyers, Bill Wepfer and Prateen Desai. The beautiful thing about that was that I had black people telling me what they thought I could or couldn't do, but I had these other people telling me I could do anything I wanted to do. You have to surround yourself with people who support you and Tech showed me that. Those are people I will never forget and I owe Tech on their behalf."

Already Mackie knows there are lives he has touched.

"My goal over the last 17 years has been to find a better way of communicating to them what they need to know," he said.

"I try to put it in a way they understand and I know they hear me because kids write to me from all over the nation and they call me on the things I tell them. I have stacks of high school and college graduation announcements on my desk from kids who want to share that with me. I always try to take time to sit and write them cards and notes to let them know I am proud of what they have accomplished."

Tech Alumni, Staff Member Chosen Among 'Most Influential' in Atlanta



Garry Betty



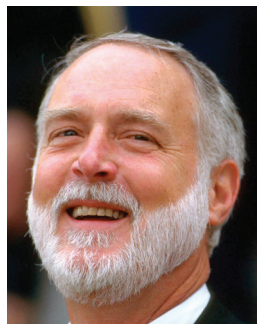
Mike Cassidy



Jimmy Carter



Don Chapman



Wayne Clough



Jack Guynn



Robert Haley



Jim Lientz



Tom Noonan



Sam Nunn



Bill Todd



Sam Williams

FORMER PRESIDENT JIMMY CARTER and Georgia Tech President Wayne Clough are among 11 Georgia Tech alumni and one staff member chosen by the *Atlanta Business Chronicle* as among the most influential people in Atlanta.

Carter, Cls 46, and Clough, CE 64, MS CE 65, are joined on the list by Garry Betty, ChE 79, president and CEO of EarthLink; Mike Cassidy, TASP 87, president of the Georgia Research Alliance; Don Chapman, IM 61, CEO of Tug Investment Corp.; Jack Guynn, IM 70, president and CEO of the Federal Reserve Bank of Atlanta; Jim Lientz, IM 65, CEO of the state of Georgia; Tom Noonan, ME 83, CEO of Internet Security Systems Inc.; former U.S. Sen. Sam Nunn, IM 60, retired senior partner of King & Spalding; Bill Todd, IM 71, president and CEO of the Georgia Cancer Coalition; and Sam Williams, EE 68, president of the Metro Atlanta

Chamber of Commerce. Robert G. Haley, who serves as special assistant to the president and director of special projects at Georgia Tech, is president and chair of 100 Black Men of Atlanta Inc. and was also chosen.

Betty, Noonan and Nunn were selected for the technology industry, Clough for his contributions to education, Williams for business and Cassidy and Todd for health care. Chapman and Haley were named for work in the nonprofit arena, while Carter and Lientz were selected for their influence in government and politics and Guynn for banking and finance.

The editorial staff of the weekly business newspaper said they choose the members of the community who "truly stand out as influential in the city ... people who not only distinguish themselves in their respective career fields, but are the people who make things happen in Atlanta, the people whose opinions matter

most," according to the article published in the June 25 issue.

In a letter congratulating his fellow alumni on the honor, Clough wrote, "These folks are listed for their contributions in government, education, technology, law, health care, nonprofits and banking and finance — a wide reach for an 'Institute of Technology.'"

"Being a 'Georgia Tech man' I could not resist playing a numbers game with these results. There are about 30,000 Georgia Tech alumni in the metro Atlanta area out of a population total of around 4 million.

"While our alumni form less than 1 percent of the area population, we are over 10 percent of those deemed most influential. You can draw your own conclusions from the numbers, but without doubt, Georgia Tech and its alumni are important to the life of our community and our city," Clough wrote.

through orderly growth and a balance of residential and commercial interests. Cantley is president and CEO of Cooper Carry Inc. in Atlanta.

Elaine Hubbard, Math 72, delivered the commencement address at Kennesaw State University's spring commencement on May 14. Hubbard lives in Woodstock, Ga.

Chuck Huling, CE 74, has been named director of Georgia Power's environmental affairs department. Huling will direct the company's environmental stewardship and compliance programs to meet or surpass all environmental laws and regulations. Since joining Georgia Power in 1974, Huling has held a number of positions in the areas of power plant construction and project manage-

ment, environmental affairs, corporate communication, regulatory affairs, marketing, consumer affairs and external affairs. He and his wife, Becky, and their two children, Steven and Kala, live in Jonesboro, Ga.

Bruce Noggle, Arch 75, M Arch 77, of Brecksville, Ohio, said his son, Brian, did not inherit his own "deceptively slow" rugby speed and has been awarded a scholarship to play football for the University of Dayton, a Division 1-AA school in Dayton, Ohio, this fall.

Rena Faye Smith Norby, MS Phys 71, has received a Fulbright lectureship to the Saratov, Russia, Pedagogical Institute to teach instructional technology during the fall and spring semesters of the 2004-05 academic year.

Norby retired as a professor from Black Hills State University in South Dakota after the 2004 spring semester. Norby lives in Belle Fourche, S.D.

Stephen Reuwer, ME 79, has received an award for "Outstanding Contribution to the Wind Industry" from the American Wind Energy Association. Reuwer is senior director of wind power construction for FPL Group, the largest owner and operator of wind power projects in the United States. Reuwer and his family live in Hobe Sound, Fla.

Victoria Baker Rhodes, Biol 73, received her master's degree in physician's assistant studies in May from the University of Nebraska Medical Center. Rhodes lives in Alliance, Ohio.

Stephen H. Stapleton, IM 70, has been named chief operating officer for St. George's Independent Schools in Memphis, Tenn. Stapleton was previously managing director of executive special services for FedEx Express, where he worked for 26 years. A retired captain from the U.S. Naval Reserve, Stapleton holds a master's degree in systems management from the University of Southern California. He finished his term as chairman of the St. George's Day School board of trustees.

1980s

Warren M. Anderson, AE 84, was promoted to colonel in the Air Force in June after graduating with distinction from the National Defense University

Industrial College of Armed Forces and Defense Acquisition University with a master's in national resource strategy. The Stafford, Va., resident has been assigned to the office of the undersecretary of defense for acquisition, technology and logistics in Washington, D.C.

Russell Brown, IM 80, has joined Employease in Atlanta as vice president of sales. Previously Brown has worked for PeopleSoft, Witness Systems, J.D. Edwards and Dun & Bradstreet Software/MSA.

Jeffrey A. Cooper, ME 89, and his wife, Suzanne, announce the birth of a son, Phillip Chasen, on May 24. Phillip joins brother William, 5, at the family's home in Marietta, Ga. Cooper is a patent attorney with Alston and Bird in Atlanta.

Christopher A. Curtin, Mgt 80, has formed Bankers Advocate Group in North Palm Beach, Fla. Curtin is CEO of the “boutique” mergers and acquisitions firm, which specializes in enterprise and going concern valuations, strategies for business buyers, existing strategies for business sellers, enhancement reviews to improve business cash flow and tax strategies for those exiting businesses.

Nancy Mueller Davis, ME 89, and **Samuel Clayton Davis**, IE 85, announce the birth of a daughter, Riley Elizabeth, on March 12. Riley joins brother Carson at the family's home in Roswell, Ga. Sam is the Southeast region supply-chain manager for Frito Lay and Nancy is a full-time mother.

Rafael James Fanjul Jr., ME 85, MS EE 86, and his wife, Teresa Anne, announce the birth of a son, Rafael James III, on April 29. The family lives in Tucson, Ariz., where Fanjul works for Raytheon Missiles Systems as navigation flight test systems engineer.

William J. Fitzgerald, EE 87, is director of customer development for Plexus Corp.'s Raleigh, N.C., design center. Bill, his wife, **Suzanne Brown Fitzgerald**, IE 88, and their son, William Benjamin, live in Cary, N.C.

William J. Flaherty Jr., ME 85, has been named systems engineer specialist in The Timken Corp.'s information technology center in Canton, Ohio. Flaherty joined the company in 1985 as a process engineer and most recently served as principal systems engineer in the information technology center.

Kevin Frost, EE 84, of Houston, recently accepted the position of vice president and general manager of European consumer PCs for Hewlett Packard. Frost, his wife and three daughters will be relocating to Grenoble, France. He has been with Hewlett Packard for 14 years.

Anne Wise Fuller, ME 83, MS PP 93, and **Doug Fuller**, IE 82, announce the birth of a son, Robert Andrew, on Feb. 21. The family recently moved back to Atlanta, where Anne is pursuing a PhD in strategic management from Tech's College of Management. Doug is a principal consultant for Priority Perspective Inc.

Corey Geiger, EE 86, MS EE 88, has joined Pedestal Networks in Fremont, Calif., as vice president of marketing. Previously, Geiger held several executive positions at Advanced Fibre Communications.

Christine S. Grant, MS ChE 86, PhD 89, an associate professor of chemical engineering at North Carolina State University, received a Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring in May. Grant was one of nine individuals and eight institutions receiving the award from the National Science Foundation on behalf of President George W. Bush. The awardees are honored for encouraging women, minorities and people with disabilities to participate in these subjects during their education. Grant is one of only six tenured African-American women faculty members in chemical engineering nationwide.

Jay D. Humphrey, MS ESM 82, PhD 85, a professor in the department of biomedical engineering at Texas A&M University, has been named to the Carolyn S. and Tommie E. Lohman Professorship in Engineering Education at the university. Humphrey joined Texas A&M in 1998 as associate professor in the biomedical engineering program. Humphrey's research interests are in the areas of the biomechanics of aneurysms, hypertension and flow-induced remodeling of arteries, the use of heat to treat disease and injury and the mechanics of cardiac development. He is a founding fellow of the M.E. DeBakey Institute for Comparative Cardiovascular Research at Texas A&M.

Robert Kaufman, ICS 88, has been named vice president of professional services and alliances for TradeStone Software in Gloucester, Mass. Previously Kaufman was a partner at Kurt Salmon Associates.

William S. McArthur, MS AE 83, was honored with a statue at the Red Springs Historical Museum in his hometown of Red Springs, N.C. The museum spotlights the history of Red Springs and will be home to the McArthur Museum. The statue depicts an astronaut and the base is shaped like Robeson County. McArthur was assigned



Mark Anthony, Psy 90, back right, poses in Revolutionary War period dress with other participants at a Sons of the American Revolution event. The Georgia Color Guard was named the nation's best this year.

Top Color Guard

Love of history, family ties connect Mark Anthony to the Revolution

By Maria M. Lameiras

CELEBRATING THE FOURTH OF JULY is a year-round event for alumnus Mark Anthony.

Descended from Revolutionary War militia-men on his mother's side and professional Continental Line soldiers on his father's side, Anthony, Psy 90, is a member of the Sons of the American Revolution and one of 45 guardsmen in the Georgia Color Guard, named the nation's best in 2004.

“Our color guard, between 2002 and 2003, participated in approximately 350 events,” Anthony said. “The group's main public activity is what the color guard does. The Sons of the American Revolution finds out where patriots are buried and we can order tombstones or markers and hold a dedication service with flags and musket salutes by the color guard for the men and women who gave their lives, liberty and fortunes for American independence.”

In addition to serving in the color guard, Anthony has gone to schools to do presentations on the history of the presidency, Georgia Revolutionary War battles and a brief overview of the American Revolution.

Acceptance into the Sons of the American Revolution requires documented proof of direct

descent from a person — male or female, military or nonmilitary, who served in the cause of American independence, Anthony said, adding that service can stretch from the battle of Point Pleasant, W.Va., on Oct. 10, 1774, until the end of the American Revolution in 1783 and can range from military service to providing aid and supplies to signing the Declaration of Independence.

Anthony is a descendant of Capt. James Withrow of Rutherford County, N.C., who fought in the battle of King's Mountain in October 1780, the battle that set the stage for the battle of Cowpens, S.C., and for the defeat of British Gen. Charles Cornwallis.

Anthony grew up six miles from Cowpens, where his mother was a history teacher.

“I got my love of history from her,” Anthony said. “My mother's family stayed in Rutherford County, North Carolina, so I knew the family history. It was easy on my mother's side because we had eight generations of the family in one graveyard. They were prominent citizens of the county and the records were well kept. We have been able to document 14 ancestors who fought on the patriots' side. There are even more on the other side, but we don't count them.”

to NASA at the Johnson Space Center in August 1987 and worked as a space shuttle vehicle integration test engineer. He became an astronaut in July 1991. McArthur has participated in three space missions and currently serves on the Expedition-10 backup crew.

Alex McCusker, IM 84,

and his wife, Elsa Alvarez, announce the birth of a son, Samuel, on April 6. Samuel joins brother Daniel, 3, at the family's home in France, near Geneva, Switzerland, where both parents work for the United Nations.

Bruce E. McLean, Arch 81, M Arch 84, and his wife, Claudia, announce the birth of

their first child, Daniel Kyle, on Feb. 24. McLean works with humanitarian aid in Asia. The family lives in India.

John T. McLeod Jr., Econ 89, MS Econ 94, and Wendy Horton McLeod, IntA 94, MS Econ 96, announce the birth of a daughter, Sara Elizabeth, on April 13. She joins

Burdell & Friends

brother Jack, 4, at the family's home in Atlanta. John is the founder and owner of Professor Geek, an information technology consulting firm, and Wendy is a quality manager at Cox Communications.

Jim Perrin, AE 88, and his wife, Christine, announce the birth of a daughter, Ava Renee, on April 23. Ava joins sister Lucy at the family's home in Lafayette, Ind. Jim, who served as Buzz in 1986 and 1988, is a large press market manager for Alcoa Extruded Aerospace Products.

Kendall Deas Meacham, Mgt 89, and her husband, Doug, announce the birth of a son, Brooks Cantrell, on Feb. 17. The family lives in Birmingham, Ala.

Doug Pisik, EE 85, was selected in recognition of his community service work as a torchbearer for the 2004 Olympic Games as it traveled through Atlanta on June 18. It was Pisik's third time running with the Olympic flame, as he was also a torchbearer for the 1996 and 2002 Summer Olympics.

John Ratliff, ISyE 81, has been appointed chief financial officer for Quintiles Transnational Corp. in Research Triangle Park, N.C. Previously Ratliff was senior vice president and chief financial officer for Acterna. Ratliff earned an MBA from Duke University in Durham, N.C.

Jerry Samples, Phys 86, has received a master's degree in applied computer science from Kennesaw State University, where he was also named outstanding graduate computer science student for 2003-04. He also has been promoted to team leader of specialized firmware development at Automated Logic Corp., where he has worked since 1996. Jerry and his wife, Jenny, live in Marietta, Ga.

Scot Sherman, CE 89, has been elected as an associate member of the American Society of Golf Course Architects. Sherman is a senior associate with Weed Golf Course Design in Ponte Vedra Beach, Fla. Sherman has been with the company since 1995 and has served as project architect for more than a dozen original designs and renovations. Recently, his work on White Manor Country Club in

Malvern, Pa., was chosen "Renovation of the Year" by *Golf Inc.* magazine.

J. Daniel Stewart, AE 88, received the Presidential Rank Award of Distinguished Executive from President George W. Bush in September 2003. The award is the highest a career federal employee can receive and recognizes outstanding leaders who consistently demonstrate strength, integrity, industry and relentless commitment to public service. Stewart is executive director of the Department of Defense.

Doug Turner, EE 88, and **Julie Rogers Turner**, IE 87, announce the birth of a son, Jack Raymond, on Feb. 16. Jack joins sisters Julianna, 6, and Rebecca, 4, at the family's home in Marietta, Ga. Doug is vice president of Control Southern Inc. and Julie is a full-time mother.

Wendy Heath Underwood, IE 82, has been named vice president of business development for Lockheed Martin's maritime systems and sensors tactical systems organization based in Eagan, Minn. Underwood has leadership responsibility for all business development activities across the tactical systems line. Previously she was director of Navy command and control and advanced sensors programs for Lockheed in Gaithersburg, Md.

Greg Walton, Arch 81, was named a principal of RTKL Associates Inc. in May. He has been with RTKL Associates in its Miami office for more than six years and is primarily responsible for commercial interior architecture and cruise ship interiors. He lives in Miami Beach, Fla.

Gregg Worley, ChE 86, and his wife, Karla, announce the birth of their first child, Maisie Rae, on May 26. Worley is a manager with the U.S. Environmental Protection Agency in Atlanta. The family lives in Dunwoody, Ga.

1990s

Lawrence "Larry" Adams, ME 98, of San Diego, is a mechanical project engineer with M-E Engineers based in Denver. Adams, who worked on the HVAC and plumbing design of the new Russ Chandler Stadium as well as renovations to Bobby Dodd Stadium, is the on-site mechanical, electrical

and plumbing engineer overseeing construction of Petco Park for the San Diego Padres.

Amy L. Arnold, ChE 99, and **James Clinton "Clint" Marshall III**, ChE 99, were married in May 2003. Amy works for Southern Co. and Clint works for Akzo Nobel. The couple live in Vidalia, Ga.

Gary Ash, IE 95, returned to Georgia Tech in August to attend the full-time MBA program.

Gary M. Augusta, MS Mgt 94, and **Christel Brown Augusta**, Mgt 94, announce the birth of their second son, Cole Patrick, on March 6. Cole joins brother Connor, 3, at the family's home in Orange County, Calif. Gary is executive director of OCTANE, Orange County's technology regional development organization, and Christel is a full-time mother.

Stephanie Benoit, ME 95, and Greg Gilbert were married May 8 in Ixtapa, Mexico. Benoit is engineering manager for USM Inc. in Houston. The couple live in Sugar Land, Texas.

Richard Blackwell, Phys 90, has launched SafeHome Corp., a Web services and remote video security company. The company's first product line is designed to bridge the gap in time between when a person calls 911 and the arrival of emergency services by placing wireless receivers in nearby homes. He and his wife, **Kim Kilpatrick Blackwell**, IE 94, and their children, Alexandra and Grayson, live in Tucker, Ga.

Chris Boggs, Mgt 94, and his wife, Stacey, announce the birth of a daughter, Taylor Marie, on March 18. Boggs is senior information technology manager at Cingular Wireless and is responsible for production deployment and support of the company's point of sale and retail financial applications. The family lives in Cumming, Ga.

Stacy Poper Bourne, Mgt 96, and **Matthew M. Bourne**, Mgt 95, announce the birth of a son, Jackson Matthew, on May 10. Matt is a medical sales representative with Midmark Corp. and Stacy is a territory manager in dental sales for SybronEndo. The family lives in Canton, Ga.

Angel Cabrera, MS Psy 93, PhD 96, took over as president of Thunderbird — The Garvin School of International

Management in Glendale, Ariz., in August. Cabrera was previously the dean of Instituto de Empresa Graduate Business School in Madrid.

Margaret Kramer Clark, BC 99, graduated from the Georgia State School of Law and accepted an associate position with Burr & Forman in Atlanta. Clark lives in Atlanta.

Laurel Britt Cook, Mgt 92, and her husband, Chip, announce the birth of a son, Henry McHaney III, on Feb. 12. Henry joins sister Katie, 4, at the family's home in Mt. Pleasant, S.C. Cook works in wealth management credit with Wachovia in Charleston, S.C.

David Matthew Cutter, IM 94, and his wife, Paula, announce the birth of twin daughters, Julianna Leite and Caroline Hail, on May 14, 2003. Julianna and Caroline join sister Catarina at the family's home in Marietta, Ga. Cutter is a program manager for Acuity Brands Lighting.

Donna Williams Dansby, EE 98, and **Jason Dansby**, CS 97, announce the birth of a daughter, Brooke Michelle, on Feb. 22. Brooke joins brother Drew, 3, at the family's home in Charlotte, N.C. Donna is a stay-at-home mother and Jason has been a software developer with Newport Group for three years.

Donald L. "Donnie" Davis Jr., Mgt 96, the Yellow Jackets' quarterback from 1991 to 1995, has joined Homestar Mortgage Services in Stockbridge, Ga., as a loan officer. Previously, Davis played professional football in the Arena Football League from 1997 to 2002 for the Arizona Rattlers, Milwaukee Mustangs and Georgia Force. When the Arizona Rattlers won the league title in 1997, Davis was named the championship game's most valuable player. He and his wife, Telsie, and their two children live in Atlanta.

Casey Dawkins, IntA 95, MS CP 89, PhD 03, of Blacksburg, Va., an assistant professor in Virginia Tech's urban affairs and planning program in the school of public and international affairs, has been awarded a 2004 U.S. Housing and Urban Development Urban Scholars postdoctoral fellowship. Dawkins joined Virginia Tech's college of architecture and urban

studies in 2003. His research examines the causes and consequences of residential segregation by race and the implications of residential segregation for the design of regional governance structures. Dawkins plans to use the award to examine factors contributing to homeownership transitions among first-time homebuyers and to examine the effect of residential segregation on racial differences in homeownership rates.

Watson Lee Dorn III, Arch 92, passed the architecture registration exam and became licensed in South Carolina in May. Dorn is a project architect with Furman Architects in Greenwood, S.C. He and his wife, Alice, live in Greenwood with their children, Caroline, 3, and Robert, born Sept. 25, 2003.

Steve Fischer, BC 96, and his wife, Lauren, announce the birth of their first child, Alexis Nicole, on May 23. Fischer is director of construction for Storehouse Furniture. The family lives in Mableton, Ga.

Michael Floyd, CmpE 95, and his wife, Stephanie, announce the birth of their son, Andrew Stephen, on April 7. Floyd is a team lead in micro-processor design for IBM's Server Group. The family lives in Austin, Texas.

Joshua J. Fowler, CE 97, was named the 2004 Young Engineer of the Year by the South Carolina Society of Professional Engineers. The award is given annually to a South Carolina engineer under the age of 35 for service to society and the engineering profession. Fowler is a professional project engineer for Design South Professionals Inc. in Anderson, S.C.

Stephanie Conis Gauthier, ME 92, and **Eddie Gauthier**, EE 92, announce the birth of a son, Matthew Edward, on March 23. The family lives in Decatur, Ga. Stephanie is taking a break from practicing intellectual property law to be a full-time mother and Eddie is a staff engineer with Scientific Atlanta.

David G. Hagen, IE 91, and his wife, Lisa, announce the birth of a daughter, Delaney Meredith, on June 28. Delaney joins brothers Cameron, 5, and Connor, 4, at the family's home in Miramar, Fla. Hagen is a quality manager with Johnson & Johnson in Miami.

Kimberley Joiner Hale, CE 94, and **Brad Hale**, CE 92, announce the birth of a daughter, Ansley Patterson, on March 1. Ansley joins brother Carter Bradley, 2, at the family's home in Norcross, Ga.

Carlton Hart, Arch 91, and his wife, Chantal, of Bowie, Md., announce the birth of their first child, Annika Noelle, on March 1. Hart is an open space planner for the Arlington, Va., Department of Parks, Recreation and Cultural Resources.

Joyce Hayes, AE 91, will be taking a one-year leave of absence from her position in the space shuttle program development office at the NASA Johnson Space Center to pursue her master's degree in public administration at the John F. Kennedy School of Government at Harvard University.

Travis Hicks, Arch 95, recently passed the architectural registration examination. Hicks is a project architect with The Freelon Group, an architecture, interiors and planning firm in Research Triangle Park, N.C. Previously Hicks worked with Michael Graves + Associates of Princeton, N.J. He is an adjunct assistant professor of architecture at N.C. State University's College of Design and played a key role in the development of the School of Architecture's digital studio.

Melissa K. Jones, Mgt 99, and Robert L. Efferth were married in February. Melissa is a wedding consultant with Watermark Weddings. The couple live in Alpharetta, Ga.

Alan Kauppi, Phys 94, and **Ula Rosner Kauppi**, Biol 95, announce the birth of a son, Eric Christopher, on Aug. 12, 2003. Eric joins sister Katie, 2, at home in Lynchburg, Va. Alan recently finished nine years of medical training at Emory University and joined Medical Associates of Central Virginia as an endocrinologist.

Andrew Kelly, ESM 94, passed the mechanical principles and practice of engineering exam with the highest score in the state of Ohio on the April test. Kelly, a senior project engineer, lives in Copley, Ohio.

Brian Kessler, ME 94, and his wife, Rebekah A. Hall, have relocated to Erlangen, Germany. Kessler currently works for Siemens in cooperation with its subsidiary, Atlanta-

based NewEnergy Associates. His responsibilities include European and United Kingdom business development.

Brandon Kirby, CE 96, has been appointed area engineer serving Dawson, Forsyth and Hall counties for the Georgia Department of Transportation. Kirby, his wife, Laura, and their children, Grayson and Kinsley, live in Gainesville, Ga.

Christopher J. Kopchik, Mgt 97, and Debra Lynn Newcomb were married May 1 in Springfield, Va., with the groom's brother, the Rev. Martin Kopchik of St. Jude of the Apostle Catholic Church in Atlanta, officiating. Chris is a consultant with the Union Square Technology Group in Washington, D.C. The couple live in Springfield.

Matthew Kramer, CS 97, of Atlanta, was selected as an alternate delegate to the Republican National Convention in New York City.

Holly Fisher Lee, IE 97, and **Christopher Lee**, IE 96, MBA 04, announce the birth of a daughter, Aubrey Catherine, on March 17. The family lives in Smyrna, Ga. Chris works for The Home Depot in its operations group and Holly works in technology for Cendian Corp.

Eric D. Letbetter, Arch 93, M Arch 95, and his wife, Vicki, announce the birth of their first child, Colton Dean, on April 21. Letbetter is an architect with Niles Bolton Associates in Atlanta. The family lives in Duluth, Ga.

Kirk Liemohn, EE 92, and his wife, Catherine, of Dunwoody, Ga., announce the birth of daughter, Alden Elizabeth, on April 30. Liemohn is a software engineer.

Becky Williams Luther, Mgt 91, and her husband, David, announce the birth of their fourth child, Grace Caroline, on Jan. 13. Grace joins sister Madison and brothers Nicholas and Jacob at the family's home in Tualatin, Ore. Becky is a full-time mother.

Wade May, MS AE 93, was promoted to engineering manager at Advanced Technologies Inc. He and his wife, Tracy, and their son, Russell, live in Newport News, Va.

Alice Tilzey McConnell, CE 98, earned her professional engineering license



Full House

Greg White, ME 83, and his wife, Serena (left), of Atoka, Tenn., were blessed with a house full of boys when they welcomed quadruplet sons (left to right) Malachi, Joshua, Seth and Zachary into their family Feb. 25. Their daughter, Whitney, 14, helps out with the boys, said White, who is a mechanical engineer and energy manager for public works engineering with NSA Mid-South.

in December. She is a senior engineer with Parsons Brinckerhoff in Austin, Texas. She and her husband, **Dan McConnell**, CmpE 99, live in Round Rock, Texas. Alice is also president of the Heart of Texas Georgia Tech Club.

Randy McDow, ISyE 95, MS PubPol 03, and Lauren Weatherly, Mgt 03, were married June 25 at Callanwolde in Atlanta. Randy is the director of the President's Scholarship program at Georgia Tech and Lauren is a program specialist with ChoicePoint Inc. in Alpharetta, Ga. They live in Atlanta.

Whitney Kirk McGuire, ChE 96, received her law degree from Washington University in St. Louis in May. McGuire was designated Order of the Coif for graduating in the top 10 percent of her class. She lives in Vacaville, Calif.

Wendy Horton McLeod, IntA 94, MS Econ 96, and John T. McLeod Jr., Econ 89, MS Econ 94, announce the birth of a daughter, Sara Elizabeth, on April 13. She joins brother Jack, 4, at the family's home in Atlanta. John is the founder and owner of Professor Geek, an information technology consulting firm, and Wendy is a quality manager at Cox Communications.

Kelly Merkel, ME 92,

has been promoted to assistant general counsel for intellectual property at American Standard corporate headquarters in Piscataway, N.J. Merkel lives in Jersey City, N.J.

José Montero Jr., ISyE 95, recently relocated to Atlanta after living in Washington, D.C., for four years, during which time he earned his MBA at Georgetown University. He currently works for the Coca-Cola Co. in the mergers and acquisitions group concentrating in Latin America. Montero was recently selected by the government of Spain as one of the "Top 15 Young Hispanic Professionals in the United States." He is the first Georgia Tech alumnus to be awarded this honor.

Stacy Priest Nadeau, AE 91, and her husband, Jeff, announce the birth of their son, Ian, on March 29. Nadeau is on a leave of absence from her job as an automotive safety engineer at Ford Motor Co. The family lives in Canton, Mich.

Kalpesh Nanji, ME 95, has been named director of China products with Jacuzzi Whirlpool Bath in Dallas, Texas. Prior to joining Jacuzzi, Nanji served as project engineer for TOTO USA.

Clark "Chip" Nelson, Mgt 98, and Stacie M. Taylor were married Aug. 28 in Lithia Springs, Ga. Nelson is senior

vice president and senior credit officer at Atlanta Business Bank in Atlanta. They live in Atlanta.

Tom Noland, MBA 92, a professor of accounting at Georgia Southern University, was awarded the 2004 Brown & Williamson Corp. Faculty Award by the university's College of Business Administration. He also received the School of Accountancy Excellence in Research Award in 2003. Noland also serves as the budget officer for the U.S. Army Reserve Readiness Command. He and his family reside in Statesboro, Ga.

Brian O'Connor, CE 99, and Lindsey Destino, IE 03, were married at St. Andrew's Catholic Church in Roswell, Ga., on July 31. Brian is a roadway design engineer for Gresham, Smith and Partners. Lindsey is a design engineer for Aluma Systems. The couple live in Marietta, Ga.

Thomas Peake, HTS 93, has observed the first anniversary of his freelance writing and communications business, Rhetorical Engineer for Hire. Peake lives in Atlanta.

Judy A. Perkins, PhD 92, was appointed professor and chair of civil engineering at Prairie View A&M University in Houston in July. Perkins relocated to Texas from Greensboro, N.C.

Dana Breig Probert, CE 98, and her husband,

Burdell & Friends



Tradition in a Bottle

IT'S NOT NANO-SMALL, but the Ramblin' Wreck and the Tech Tower have been scaled down to fit inside a bottle by Charles Hand, IE 58, of Canton, N.C.

Hand, who serves in his retirement as vice president of the American Ship-Bottling Association, has prepared articles about the novel feat for publication in the journals of the American and European ship-bottling organizations. He managed to light the miniature tower using a base that incorporates components of a book light. "The letters were painted in white enamel on both sides of clear pieces of acrylic cut from a thin windowpane. The windows were also acrylic, but sanded inside to be translucent with white painted sashes."

Hand charges \$200 to build a model Wreck and tower in a bottle, a project he said takes three months.

Alastair, announce the birth of a daughter, Zoe Maia, on March 18. Probert is the owner of Cross Keys Consulting, a computer-aided design, drafting and land-development project management firm. The family lives in Millsboro, Del.

Clay Pumphrey, ME 98, and his wife, Mary, announce the birth of a son, Benjamin Davis, on April 12. Pumphrey is a design engineer for Nokia Mobile Phones. They live in Coppell, Texas.

Scott H. Robbins, HTS 94, earned his PhD at Brown University in Providence, R.I., on May 31. He received the Joukowsky Family Foundation Outstanding Dissertation Award for the best dissertation in the area of pathobiology. Robbins also received the Dr. Charles Janeway Memorial Award at the spring New England Immunology Conference for the student with the best poster. Robbins will continue his research in immunology at the Centre d'Immunology de Marseille-Luminy in France beginning Dec. 1.

Michael O. Sargent, EE 94, and his wife, Holly, announce the birth of a daughter, Aubrey Katherine, on May

24, 2002. The family lives in Warner Robins, Ga. Sargent is a software engineer for the U.S. Air Force at Robins Air Force Base.

Ichha Sethi, Biol 97, and her husband, Jesse, announce the birth of a daughter, Kaya, on March 1. The family lives in New York City. Sethi is on hiatus from her position as a scientist in pediatric critical care medicine at the Morgan Stanley Children's Hospital of Columbia Presbyterian Medical Center in New York.

Dawn Amos Smrekar, ME 98, and **Jacob Smrekar**, TE 98, announce the birth of a son, Christian Joseph, on May 17. They live in Rock Hill, S.C.

Joaquín J. Soler, Mgt 91, and **Janice I. Navarro**, ME 91, announce the birth of a son, Ilan Joseba, on April 29. Ilan joins brother Imanol Aitor, 2, at the family's home in Humacao, Puerto Rico. Joaquín is president of Cartama Corp., a real estate services company in Puerto Rico, and Janice is an industrial psychologist consultant with her own firm, IOB Consulting.

Melani Curtis Stephens, EE 92, and **Robert L. Stephens**, CmpE 91, announce the birth of a son,

Joshua Logan, on April 29. Joshua joins sisters Ashley, 7, Victoria, 5, and Madison, 2, at the family's home in Cumming, Ga. Robert is senior vice president and chief technology officer with Qwiz Inc., and Melani is an electrical engineering consultant with RMS Engineering Inc.

Wendi Christin

Sturgis, Mgt 90, is worldwide head of operations and finance for Gartner Consulting, a technology advisory and consulting company headquartered in Stamford, Conn. She was previously North American head of operations. Sturgis lives in New York City.

S.K. Sundaram, PhD

94, was elected chair of the executive committee of the nuclear and environmental technology division of the American Ceramic Society for 2004-05. He will coordinate and lead the division's technical programs at the society's annual meeting and other activities of the division. Sundaram is a scientist at the Pacific Northwest National Laboratory in Richland, Wash.

Julie L. Swann, IE 96, has been selected as one of 86 engineers participating in the National Academy of Engineering's 10th annual Frontiers of Engineering symposium in September in Washington, D.C. The three-day event will bring together engineers ages 30 to 45 who are performing cutting-edge engineering research and technical work in a variety of disciplines.

Participants are nominated by fellow engineers or organizations and chosen from a field of more than 170 applicants. Swann is an assistant professor in the School of Industrial and Systems Engineering at Georgia Tech. Her research focuses on the modeling and analysis of problems and algorithms in logistics, transportation and supply chain management.

Kenneth C. Tyburski, IE 99, was named coordinator of learning programs at the Institute for Advanced Learning and Research in Danville, Va., in June. Tyburski manages grant-funded community education programs involving community math literacy, faculty development and small business development. The institute combines cutting-edge research, advanced education and community outreach in an effort to revitalize the

economy of southern Virginia. Tyburski lives in Blairs, Va.

Richard Tyler, IE 90, has joined Lafarge North America in Alpharetta, Ga., as regional manager of property, government and community affairs for the Southeast region. Tyler also acquired a real estate license in the state of Georgia. He relocated in January to the Alpharetta area from Salt Lake City after managing the planning and operations of the 2002 Olympic Village since 1997 and subsequently managing real estate development for Salt Lake Neighborhood Housing Services Inc. and working as a Realtor.

Vincent Vilarchao, ME

97, and his wife, Alicia, announce the birth of a daughter, Emily Katherine, on Jan. 8. The family lives in Florence, S.C. Vilarchao is a project manager with Marley Engineered Products in Bennettsville, S.C.

D. William Wallace, CE 97, was named to the American Institute of Certified Planners' College of Fellows in April. Wallace was honored for achievement in the field of urban and rural planning.

Mary Anne Mann

Williams, IE 90, MS IE 95, and **Matthew Williams**, IE 92, MS IE 94, MS MOT 97, announce the birth of a daughter, Katherine Anne "Katie," in March 2003. Katie joins brother Jake, 6, and sister Molly, 4, at the family's home in Suwanee, Ga., where Matt works for Elesys and Mary Anne is a full-time mother.

Kim Zimmerman, CE 98, MS CE 03, received the Emerging Leader Award for the water resources industry from the Georgia Water and Pollution Control Association. Zimmerman works for Clayton County Water Authority and lives in Atlanta.

2000s

William Eugene Acheson, MS OR 00, and Felisa Salud Aldas Lewis were married July 3 at the Cadet Chapel at the U.S. Military Academy at West Point, N.Y. Acheson is an Army major and is chief of a team of Defense Intelligence Agency analysts at Bolling Air Force Base in Maryland. Previously he was the assistant division engineer of the 2nd Infantry Division at Camp Red Cloud in Uijongbu, South Korea.

Mohammad A. Ansari, Mgt 03, and his wife, Farheen, announce the birth of a son, Ibad, on Feb. 15. The family lives in Duluth, Ga. Ansari is a product engineer.

Lindsey Destino, IE 03, and Brian O'Connor, CE 99, were married at St. Andrew's Catholic Church in Roswell, Ga., on July 31. Lindsey is a design engineer for Aluma Systems and Brian is a roadway design engineer for Gresham, Smith and Partners. The couple live in Marietta, Ga.

Glee Deuwall, Mgt 00, and **Jeremy Coffeen**, CmpE 03, were married June 19 in Atlanta. The couple live in Acworth, Ga.

Jill Goldenberg, Mgt 00, and **Adam Caskey**, Mgt 01, were married Oct. 18 at the Wimbish House in Atlanta. Adam graduated in May with honors from Georgia State University Law School. He is employed by Proctor & Chambers. Jill works for Delta Airlines as a senior analyst in revenue management. The couple live in Atlanta.

Lisa Hoffer, ChE 04, and **Bob Baxley**, EE 03, were married July 4 in Piedmont Park in Atlanta. Lisa is attending medical school at Emory University and Bob is pursuing his PhD in electrical engineering at Georgia Tech.

Elizabeth Hoover, ChE 01, and **Nathan Smith**, ChE 01, were married in Atlanta on May 8. The couple live in Gibsonville, N.C. Elizabeth is a process engineer with Konica Minolta Manufacturing and Nathan has recently started his own pulp and paper services company, SmithTech, based out of Gibsonville.

Lauren Jaynes, Mgt 02, MS CP 04, and **Kamden Robb**, MGT 03, were married on April 17 at Ebenezer United Methodist Church in Conyers, Ga. Kamden works for North America Packaging Corp. in Lithonia, Ga., as an account manager. They live in Atlanta.

H. DeWayne Johnson, EE 01, and his wife, Tameika, announce the birth of their first child, Alexandria Michelle, on April 12. Johnson, a systems engineer, and his family live in Alexandria, Va.

Maria Kommeth, Biol 03, and **Rocky Dunlap**, CS 03, were married Dec. 27 at

Crossroads United Methodist Church in Conyers, Ga. Wedding colors were white and gold. Maria has joined Teach For America and now teaches seventh grade life science at Crawford W. Long Middle School in Atlanta and is pursuing her teaching certificate. She is also a Zoo Atlanta volunteer. Rocky entered graduate school in August in pursuit of his PhD in computer science. He currently works at Constructware as a software engineer. He also still plays the piano for DramaTech musicals and VarietyTech and is a member of Style Points, a jazz band composed of Tech grad students. They live in Atlanta.

Laura Major, IE 02, and **Craig Forest**, ME 01, were married Aug. 14 in Naples, Fla. Both Laura and Craig are pursuing graduate degrees at the Massachusetts Institute of Technology in Cambridge, Mass. Laura is expected to receive a master's degree in aerospace engineering in December, while Craig is working toward a PhD in mechanical engineering. The couple live in Cambridge.

Courtney Marcelo, Mgt 00, and **Matthew Norton**,

IntA 00, were married Aug. 21 in Atlanta. Courtney has joined the law firm of Carter & Ansley in Atlanta and Matthew has joined the law firm of Powell, Goldstein, Frazer & Murphy in Atlanta. The couple live in Atlanta.

Katie Naes, IE 03, and Ross Brubaker were married Sept. 6. Naes consults for PriceWaterhouseCoopers. The couple live in Atlanta.

Joshua M. Perry, CE 03, a Navy ensign, received his commission as a naval officer after completing Officer Candidate School at Officer Training Command in Pensacola, Fla. During the 13-week training program, Perry received extensive instruction on a variety of specialized subjects including navigation, ship handling, engineering, naval warfare and management. Perry also completed a demanding daily physical fitness program that involved running, swimming and calisthenics.

Martha Craig Robertson, CE 01, and **Heard Robinson**, Mgt 04, announce the birth of a son, Thomas Heard Robertson IV,

on Nov. 26. Martha is a transportation engineer and Heard is enrolled in the one-year MBA program at the University of Georgia. The family lives in Lawrenceville, Ga.

Lauren Weatherly, Mgt 03, and Randy McDow, ISyE 95, MS PubPol 03, were married June 25 at Callanwolde in Atlanta. Lauren is a program specialist with ChoicePoint Inc. in Alpharetta and Randy is the director of the President's Scholarship program at Georgia Tech. The couple resides in Atlanta.

Tesa Wheatley, EE 04, has accepted a position as a multidiscipline engineer with Northrop-Grumman in Baltimore, Md. Wheatley also earned a bachelor's degree in computer science from Spelman College in May.

Alan Wilkes, AE 01, has been commissioned as a second lieutenant in the U.S. Air Force after graduating from Officer Training School at Maxwell Air Force Base in Montgomery, Ala. Wilkes is a pilot trainee assigned to the 47th Operations Support Squadron at Laughlin Air Force Base in Del Rio, Texas.

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‘Tech Wife’ Donna Adler was Friend to Students

AS THE WIFE OF A GEORGIA TECH PROFESSOR who welcomed late night phone calls from his students, Donna Adler talked with hundreds of young men and women over the years. She typed hundreds of recommendations for graduate schools and jobs written by her husband.

Donna Gibson Adler died of cancer on June 10 at age 73.

In January 1966, Philip Adler, then an assistant management professor, was searching for someone to type his dissertation. Donna Gibson, a secretary in the School of Chemical Engineering’s metallurgy division, was recommended to him as the best there was.

“I called her on January 27, 1966, to ask if she’d be able to type my dissertation,” said Adler, now the Smith professor emeritus. “She said she’d get to it in about a year and a half. I said, ‘Well, that’s a big help. I need it in three months.’ But she sounded decent and I was single, so I went over and met her on January 28, 1966. We were married two months later, on April 1 at North Avenue Presbyterian Church.”

A nepotism rule existed at the time and Mrs. Adler was forced to quit her job at Georgia Tech. She accepted a position as an administrative assistant at Texas Instruments, but her

departure made waves on the Tech campus.

“People were so unhappy about losing her that they went to the University System to challenge the nepotism rule and it was changed as the result of our marriage. Today we have husbands and wives teaching in the same departments,” Adler said.

Although Mrs. Adler never again worked for Tech, she still connected with students.

“Hundreds and hundreds of my students knew her. They could call at any hour. She always made them feel comfortable to talk to me,” Adler said. “I doubt I had a student who didn’t talk to her.”

Born in a one-room schoolhouse in Ohio, Mrs. Adler was abandoned by her mother after her father died from the effects of being gassed during World War I. She was taken in by a Baptist minister and his family and earned a bachelor’s degree in Christian education from Temple College in Chattanooga, Tenn.

Adler felt blessed to have a wonderful “Tech wife” for nearly 40 years.

“By the way, I got my dissertation typed,” he said.

Survivors include sons Scott, Mgt 90, Brad, Mgt 95, and Todd and four grandchildren.

tion this fall. During World War II, he was a design engineer at the Army Air Corps Aeronautical Research Center at Wright Field in Dayton, Ohio. Memorials in Mr. Tolve’s name may be made to the Georgia Tech Foundation.

Albert V. Toney, Cls 39, of Bogart, Ga., on Sept. 21, 2003. He was a retired Air Force colonel.

Edward M. Vinson, IM 39, of Atlanta, on May 3. A member of Phi Kappa Phi and Omicron Delta Kappa, he was a Navy veteran of World War II. He worked for the U.S. State Department’s Agency for International Development from 1966, when the Johnson administration appointed him as a special assistant for program management, until his retirement in 1985. His responsibilities included the establishment of agricultural colleges, manufacturing industries, health facilities, education programs and clean water projects in Asia. Mr. Vinson also chaired the Georgia Tech YMCA board for six years. His volunteer work with the YMCA included assistance with the desegregation of Tech. The family listed the Alumni Association’s Living History program among the organizations to benefit from donations in Mr. Vinson’s name.

Vernon R. White, ChE 33, of Mobile, Ala., on June 20, 2003.

1940s

John B. Armistead Sr., IM 48, of Atlanta, on June 4. He retired from Sears Roebuck & Co. Survivors include son John Armistead Jr., Cls 77.

Lennard C. Averett, ME 47, of Miami, on March 21. He retired from Florida Power & Light.

John H. Batson, CE 41, of Atlanta, on Dec. 21. He retired from the Federal Highway Administration.

Frank M. Bristol, IM 42, of Atlanta, on May 6. He served as a Navy lieutenant during World War II in three tours of duty in the Pacific and one in the Mediterranean. He worked for Burlington Industries and later formed Bristol Textile Co.

James M. “Pete” Buhls, IE 49, of Bristol, Tenn., on Jan. 7. He worked as a journeyman pattern maker in the Norfolk Naval shipyard prior to joining the Naval Air Corps. After graduating from Tech, he worked as a consultant for Serge Birn as part of the Marshall Plan and worked in Europe and lectured at the Zurich Technical Institute. He retired as president and chief operating officer of Electro-Mechanical/Line Power Corp. in Bristol.

Earle Gillespie Caldwell, IM 42, of Atlanta, on Aug. 21, 2003. He served in the

Deaths

1920s

John W. North, ME 29, of Decatur, Ga., on May 31. He played on the scrub football team and scrimmaged against the Rose Bowl championship team of 1929. Following graduation, he and his brother founded North Brothers, an insulating contracting company. During World War II, he served in the Navy in Washington, D.C., where he designed piping and insulation for ships. In 1958, Mr. North developed and patented a fused silica product and formed Glasrock Products. The company’s nose cones were used on the Titan missile for NASA and the Patriot missile for the Department of Defense. In 1964, he developed a ceramic process and founded the J.W. North Co. For the past two years, he had been collaborating on the process with the Georgia Tech Research Institute. He was still working on the project the night before his death, at age 97.

1930s

Felix deGolian Jr., Cls 34, of Atlanta, on June 21. Also educat-

ed at the U.S. Naval Academy, Mr. deGolian designed his family’s Atlanta home with a steel frame. As the family grew, he added on to the house — twice. Mr. deGolian was the father of 14 children. He served in the Navy during World War II in both the European and Pacific theaters. After the war, he joined his father’s business, Golian Steel & Iron. Among the area projects he helped complete were Carillon Tower at Stone Mountain Park, Peachtree Center, Lenox Square mall and Lockheed’s C-5A hangar.

George R. Dyer, CE 32, of Atlanta, on Feb. 14, 2003. He retired from BP America Inc.

Judson C. Greene, EE 31, of Atlanta, on May 8. He was a World War II Army Air Corps veteran. He retired from Georgia Power and helped organize Ambassadors for Georgia Power.

Jack W. Hall, EE 30, of Ridgeland, Miss., on Jan. 16. He retired from Mississippi Power & Light.

William T. Millican Jr., EE 34, of Athens, Ga., on July 8. He attained the rank of lieutenant colonel in the Army during World War II. He was the retired manager of Davisons Department Store.

Leon Alfred Tolve, ME 38, of Memphis, Tenn., and

Marietta, Ga., on May 29. He retired as division engineer in charge of the aeromechanics division of Lockheed Aircraft, where he worked on the development of the C-130, C-141 and the C-5A. After retirement, he served as a consultant in aerelasticity and on the design of HondaJet, set to go into produc-

Clearman Battled to Defeat Gov. Gene Talmadge

AS A GEORGIA TECH STUDENT, Bill Clearman helped oust Gov. Eugene Talmadge from office. William T. Clearman, PHE 42, of Jasper and Highlands, N.C., died on April 30.

In 1941, Talmadge, a staunch segregationist, pushed for the firing of two University System of Georgia administrators, allegedly for advocating the integration of public schools. When the Board of Regents refused, the governor replaced its members with those who shared his way of thinking. Several teachers in the University System who advocated racial equality were fired. The University System teetered on collapse.

Mr. Clearman was appointed to chair a Tech student committee to help save the University System from losing its accreditation. After an unsatisfactory meeting with the governor, Mr. Clearman wrote in the *Technique*: “Only the possibility that a new governor may be elected in the coming fall election offers much hope that the units of the University System may escape long years of ignominy and stagnation.”

He took the campaign to colleges and universities across the state and began organizing a

Student Political League, launched the same day at Tech and such other institutions as Emory, Agnes Scott and the University of Georgia. The students’ mission drew widespread press coverage. Headlines included “Over 800 Students Join Political League” and “Tech Men Unite to Defeat Talmadge.”

Omicron Delta Kappa presented Mr. Clearman with the citation of honor for his leadership. When he graduated in May 1942, Mr. Clearman entered the Navy to fight in World War II. The Student Political League continued the campus fight Mr. Clearman had started. Talmadge was defeated in the 1942 gubernatorial election.

Mr. Clearman retired as an aerospace technologist for NASA at the Kennedy Space Center. But he gained the most satisfaction from his work on the Georgia Tech campus.

“Of all the enterprises I have been associated with, none has given me more personal satisfaction than my work to rid Georgia of Gene Talmadge and restore the University System of Georgia to its rightful place,” Mr. Clearman told TECH TOPICS in 1989.

Navy in the South Pacific during World War II. Until his retirement, he was the owner of Southern Tile Co.

Harry A. Cronk, ME 49, of Merritt Island, Fla., on Jan. 22. He had worked for Pan Am World Airways.

George T. Cummins, CE 48, of Augusta, Ky., on Nov. 21. He retired as president of construction and design for highways and bridges for Cape Engineering.

Morris V. Gelders, EE 40, of Spartanburg, S.C., on Feb. 2. He retired from Lockwood Greene Engineers.

Elmer L. Green, ME 40, of Merritt Island, Fla., on June 15. He retired from NASA. Survivors include brother Bobby L. Green, Cls 57.

Charles W. Horton Jr., EE 49, of Oviedo, Fla., on Feb. 15, 2003. He retired from Florida Power & Light.

Marshall J. Mehaffey, TE 40, of Tuscaloosa, Ala., on Nov. 22.

Lewis "Buddy" Radford, ME 43, of Monroe, Ga., on July 1. On Feb. 21, 1945, he shot down a Japanese fighter before his Hellcat was damaged in aerial combat near Iwo Jima. The Navy pilot was assigned to the USS Saratoga, which was hit by five kamikazes. Mr. Radford ditched his plane near a U.S. destroyer and was surprised when a Georgia Tech classmate helped pull him aboard the vessel. After the war, he worked as a manufacturer's representative selling technical equipment to television stations up and down the East Coast. He flew to meet his clients in planes he bought for himself. In 1978, he became chairman of the National Bank of Walton County, which had been co-founded by his grandfather.

Frank A. Taylor, ME 42, of Meridian, Miss., on March 29. He was president of Air Comfort Engineering Co.

Ruskin A. Vest, Cls 42, of Columbia, Tenn., on March 3. He was chairman of the board of Industrial Products Co.

Robert B. Warnock, ME 40, of Birmingham, Ala., on May 17. He founded the Robert Warnock Co. and Roll Technologies Inc. He was a founding member of the Sigma Alpha Epsilon chapter at Tech. During World War II, he served in the Navy and commanded PT

boats in the Solomon Islands. He was sent back to the United States as a beneficiary of the Sullivan Act after both of his brothers were killed in action. The Navy then assigned him as a technical adviser for the production of the film "They Were Expendable."

Clyde L. Wilkins, CE 48, of Midlothian, Va., on April 12.

1950s

C. Edwin Beckler, ChE 54, of Palatka, Fla., on April 27. He had been president of Bainbridge Motors.

Julius Blum, Text 51, of Asheville, N.C., on June 6, 2003. He was president of Merit Knitting Mill.

Bernard Garland, Text 51, MS PHE 52, of Atlanta, on March 30, 2003. He retired as a Fulton County employee.

Lloyd F. Meacham Jr., ME 50, of Conyers, Ga., on Nov. 20. He retired from Prudential Insurance.

John M. Pesola, Cls 56, of Hollywood, Fla., on May 15. He was vice president of Delta Labs.

Stanley F. Petry, ME 52, MS ME 65, PhD 67, of Aiken, S.C., on June 24. He retired from Westinghouse Savannah River Co.

Ben Raney, Cls 52, of Atlanta, on June 3. He was one of 220 Army Rangers who scaled a 100-foot cliff overlooking Omaha Beach to knock out German artillery that threatened the Allied invasion of Normandy. Only 90 Rangers managed to survive in the face of enemy fire. He also survived the Battle of the Bulge. Mr. Raney enrolled at Tech after the war and made Bobby Dodd's football team as a reserve offensive lineman. He worked in the insurance industry and officiated at high school and college football games.

Robert B. Sheffield, ME 54, of Atlanta, on June 25. He was a retired Realtor.

Dan Plunkett Shepherd, IM 50, of Atlanta, on June 16. An Army veteran of World War II, he was president of Chi Phi fraternity while a student at Tech. He and his brothers incorporated Shepherd Construction Co. in 1949. Under Mr. Shepherd's leadership, the company completed highway, bridge and airport construction

C.B. Drennon Knew Who Burdell Really Was

C.B. DRENNON WAS GOOD TO HIS WORD. He took the secret identity of his classmate and confidant, who started the George P. Burdell legend, to the grave.

Drennon, ChE 31, died May 24. He was 94.

A retired Army colonel, Drennon entered Tech in 1927, the same year Burdell's name began to mysteriously appear on class rosters. He later claimed to be the "only man living who knows who George P. Burdell really was."

But Drennon said he pledged never to reveal who it was. He never did. But he enjoyed boosting the legend.

In 1927, any Georgia student who applied to Tech could attend. So students were tested to determine their qualifications.

In a 1996 interview, Drennon recalled the beginning of the Burdell myth. A clever student bored with quizzes started turning in two bluebooks — one for Burdell and one for himself.

"The ones he made out, he maxed," Drennon said. "George P. Burdell just barely made a 'C.' We didn't have any electronic method of keeping roll. George P. Burdell's name kept showing up, so they began to add his name to the rolls. When they would call out his name, somebody in the back would answer, and they thought he was in their class."

In a national contest sponsored by The Chronicle of Higher Education in 1981 to determine the most outstanding college legend, Drennon wrote the winning essay, extolling the

exploits of Burdell. He gave the \$500 prize money to the Georgia Tech Alumni Association.

The essay noted, "In the 1960s, it looked as though Burdell would be forced to leave school because all registration would be computerized. Not to go down without a fight, Burdell wrote one of his many letters to the *Atlanta Journal* saying the officials at Georgia Tech would not let him register. This caused a great commotion on campus. A few days after registration was completed it was found that Burdell was registered for 3,000 hours, which assured his presence at Tech for many more years."

Drennon received the Joseph M. Petit Alumni Distinguished Service Award in 1996.

A native of Cartersville, Ga., Drennon played second base on Tech's baseball team. He played a summer of professional ball before joining the Army as a second lieutenant.

His 34-year military career included World War II, Korea and Vietnam. He was stationed in the Philippines in 1945, helping plan the invasion of Japan. In July of 1945, the jeep in which he was riding was hit by a mortar shell that killed the driver and wounded him. His last military tour was at Georgia Tech, where he served as professor of military science.

After retiring from the Army, Drennon continued to be involved with Georgia Tech and helped organize the Class of 1931 reunions, which also paid tribute to George P. Burdell, who was always present — in spirit.

projects through the Southeast as well as in Libya, Greenland, Saudi Arabia and the Bahamas. He was president of Georgia Highway Contractors from 1968 to 1970 and received the organization's inaugural lifetime achievement award in 2003. He also served as president of the highway division for the Association of General Contractors and was the 2003 recipient of the Nello Teer Award, the highest honor bestowed by the American Road and Transportation Builders Association. The family founded Atlanta's Shepherd Center, a leading specialty hospital for the treatment of spinal cord injuries, acquired brain injuries, multiple sclerosis and Lou Gehrig's disease.

Ed M. Swanson, IM 50, of Lake Lure, N.C., on June 10. He was president of Swanson & Co. in Jacksonville, Fla.

Ezra "E.J." Tharpe Jr., CE 59, of Ridgeland, Miss., on May 18. He served in the ROTC and the Army. Mr. Tharpe retired from the U.S. Geological Survey after 32 years in the water

resources division. He then formed TNT Drilled Foundations with his brothers and served as president and co-owner.

Robert H. Walling, IE 51, of Atlanta, on Feb. 13, 2003. He was an attorney.

1960s

Charles Hunter Black, EE 62, of Des Plaines, Ill., on March 20.

C. Frank Cooper, IM 61, of Albany, Ga., on Feb. 8, 2003. He was a management consultant for MPC Enterprises.

Birtrun Kidwell, MS EE 63, of Fairfax, Va., on Dec. 9. He had been president of the Virginia division of the Izaak Walton League.

Jack Painter, IE 66, of St. Petersburg, Fla., on June 4. He was a retired advertising executive who had worked for Odyssey Marine Exploration's management team in recent years. The company is excavating the SS Republic, a steamer that sank about 100 miles off the coast of Georgia in 1865. Mr. Painter also helped found

Academy Prep Center for Education, a nonprofit, private middle school for inner-city youth in St. Petersburg. He helped build Benito Advertising into one of Florida's largest media groups. In 1994 he was asked to take the Tampa Bay Partnership from a concept to a functioning economic development group. A year later Mr. Painter helped steer the Florida Division of Tourism's transition into a public-private partnership called Travel Florida. Mr. Painter also was on the task force to build a new stadium for the Tampa Bay Buccaneers and served as a director of the Salvador Dali Museum in St. Petersburg.

Donald R. Pitts, ME 60, PhD 67, of Knoxville, Tenn., on April 19. He was a professor of mechanical and aerospace engineering at the University of Tennessee.

1980s

Sanjeev K. Katyal, EE 85, MS EE 86, of Beaverton, Ore., on July 11, 2003. **GT**

Best Year Ever

Yellow Jackets score on field and in classroom

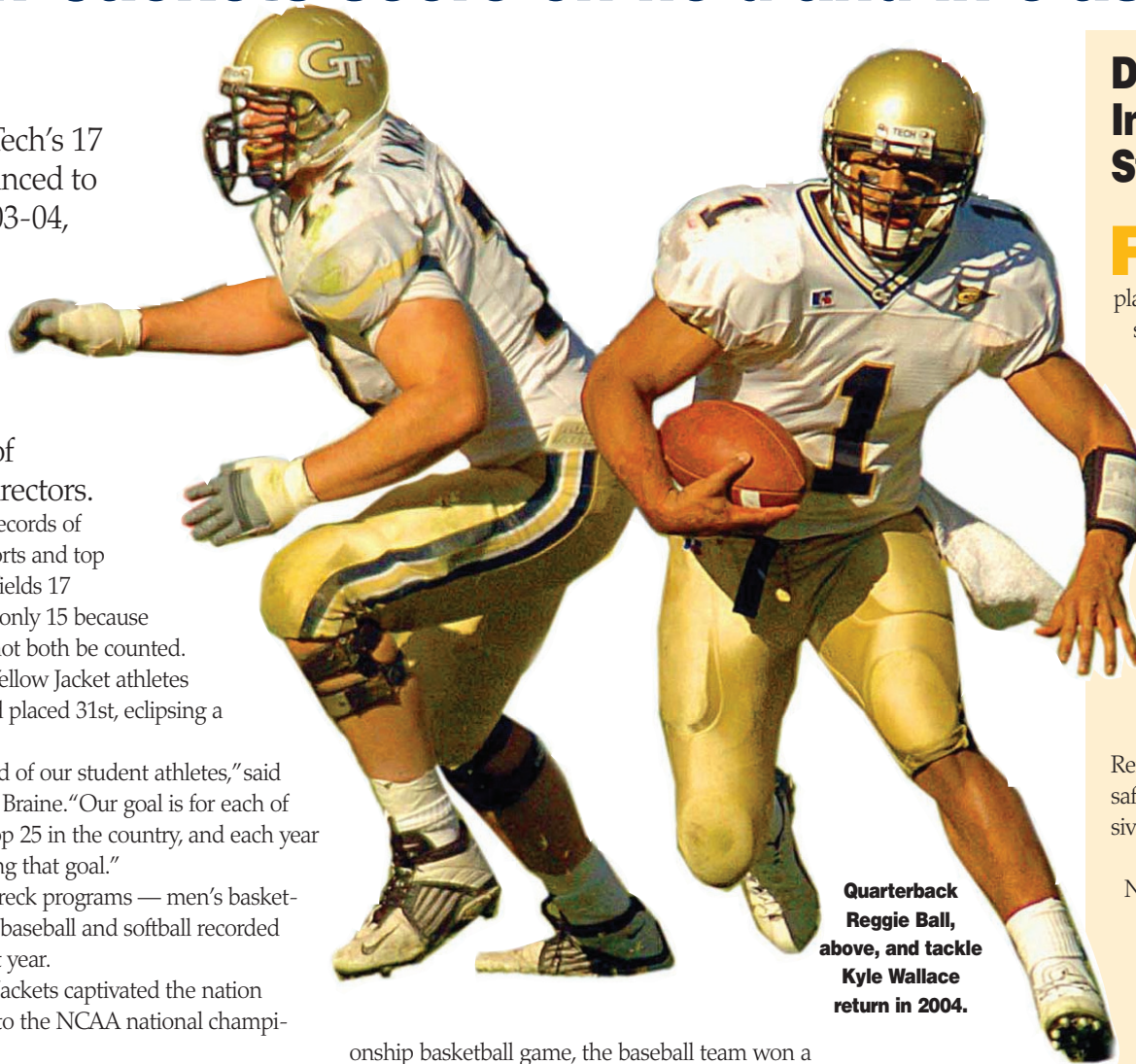
Fifteen of Georgia Tech's 17 varsity teams advanced to postseason play in 2003-04, recording a school-record finish in Director's Cup competition, sponsored by the National Association of Collegiate Athletics Directors.

Scores are based on the records of each school's top 10 men's sports and top 10 women's sports. Tech only fields 17 sports and can score points in only 15 because indoor and outdoor track cannot both be counted. Even with that disadvantage, Yellow Jacket athletes accounted for 560.5 points and placed 31st, eclipsing a 45th-place finish in 1993-94.

"We're extremely proud of our student athletes," said Director of Athletics Dave Braine. "Our goal is for each of our sports to be in the top 25 in the country, and each year we get closer to realizing that goal."

Five Ramblin' Wreck programs — men's basketball, golf, volleyball, baseball and softball recorded top 10 finishes last year.

The Yellow Jackets captivated the nation as they played to the NCAA national champi-



Quarterback Reggie Ball, above, and tackle Kyle Wallace return in 2004.

onship basketball game, the baseball team won a school-record 20 straight games to clinch its fifth ACC regular season title and advance to the super regionals, volleyball played into the Elite Eight tournament, the golf team finished the season ranked No. 5 nationally and the football team earned a seventh consecutive bowl appearance a 52-10 victory over Tulsa in the Humanitarian Bowl.

Tech was the only school that won a bowl game, an NCAA basketball regional and an NCAA baseball regional.

Individually, sophomore track star Chaunte Howard won national championships in the indoor and outdoor high jump. Twenty All-Americans, 57 Academic All-Americans, five ACC Players of the Year and four ACC Rookies of the Year came from the Flats last year.

In club sports, the women's lightweight four crew took on the best varsity rowing teams in the country at the Dad Vail Regatta in Philadelphia and brought home a national championship. The Tech lacrosse team defeated Florida to win the Southeastern Lacrosse Conference and advance to the national championship tournament.

Senior guard Marvin Lewis led the Yellow Jackets to the NCAA championship game.

Dean's List Includes 152 Student Athletes

Five members of the basketball team and 30 football players were among 152 Tech student athletes who made the Dean's List for the spring semester.

Basketball players making the grade were seniors Marvin Lewis, Clarence Moore and David Nelson and freshmen Mario West and Keith Jones. The 30 football players include All-ACC tailback P.J.

Daniels, linebackers Gerris Wilkinson and Chris Reis, wide receiver Nate Curry, safety Dawan Landry and offensive guard Andy Tidwell-Neal.

All six members of Tech's No. 5-ranked golf team made the list, posting a cumulative 3.53 GPA, while the women's swimming team earned a cumulative 3.49 average.

Forty-one student athletes got out in May including Lewis and Nelson, who graduated with high honor, and Curry, who has one year of eligibility remaining.

Last fall semester, 163 student athletes were placed on the Dean's List.



Former football player John Paul Foschi celebrated graduating with a Tech degree and a contract with the New York Jets.

YellowJackets



Locker Room Named for King

FACING FOURTH AND LONG nearly 40 years after his playing days at Georgia Tech, Kim King again is looking for his go-to guy. Not Lenny Snow this time but Dr. Bart Barlogie, an Arkansas cancer specialist.

In May, King, a former Yellow Jacket quarterback and 30-year member of Tech's football broadcast team, was diagnosed with secondary acute myelogenous leukemia. He had faced a similar foe in 1999 when he was diagnosed with multiple myeloma. Just as he did then, he traveled to Arkansas and underwent experimental treatments and heavy chemotherapy. King, IM 68, said that once again, he is in remission.

In recognition of that struggle and his lifelong devotion to Tech, Director of Athletics Dave Braine announced that the locker room at Bobby Dodd Stadium at Grant Field will be named in King's honor.

"We are very pleased to be able to bestow this honor on a man who has been such an integral part of Georgia Tech for more than 40 years," Braine said. "Kim truly loves Georgia Tech — especially Tech football. He has been a tremendous ambassador for the program, and it is very appropriate that his name be displayed in such a prominent place."

King will be formally honored in a pregame ceremony before the Yellow Jackets' Oct. 2 game against Miami.

King came to Tech in 1964 after an outstanding career at Brown High School in Atlanta. The south-paw quarterback was a three-year starter for coach Bobby Dodd, leading the Jackets to the Gator and Orange bowls in 1965 and 1966. His 2,763 passing yards still rank him among Tech's top 10 career passing leaders.

King was inducted into the Georgia Tech Sports Hall of Fame and the State of Georgia Sports Hall of Fame and, in 2000, was named one of Georgia Tech's 50 Greatest Athletes of the 20th Century.

Nicknamed the "young lefthander" by the late Al Ciraldo, longtime radio voice for the Jackets, King plans to be in the press box for his 31st year as color analyst for the Georgia Tech radio network.

"I'm not often speechless," King told the *Atlanta Journal-Constitution*. "But this is overwhelming. When you think of all the great players who have played at Georgia Tech, nothing could honor me more than to have my name on the locker room. It's truly one of the highlights of my life."

King is president of Kim King Associates, a commercial real estate development firm he founded in 1972. He was recently named Georgia's "Most Respected CEO" for 2004 by *Georgia Trend* magazine.

Tech, Gonzaga Meet in Vegas Showdown

GORGIA TECH, the 2004 NCAA national basketball championship runner-up, will meet defending West Coast Conference champion Gonzaga at the Las Vegas Showdown Dec. 18.

The Jackets and the Bulldogs will tip off at 12:30 a.m. Eastern time at the Thomas and Mack Center on the University of Nevada-Las Vegas campus.

Oklahoma State, which lost to Georgia Tech in the 2004 national semifinals, will meet UNLV at 10 p.m. Eastern time in the opening game of the doubleheader. The basketball games will be nationally televised on ESPN2.

It is the second nationally televised game Tech will play in its non-conference schedule. Michigan comes to Alexander Memorial Coliseum on Nov. 30 for the opening round of the sixth-annual ACC-Big Ten Challenge on ESPN.

Alumnus Makes Golf History

BBRITISH OPEN champion Todd Hamilton wasn't the only American making golfing history at the 133rd British Open played July 15-19 at Royal Troon Golf Club in Scotland.

John Koger, ChE 63, MS Met 65, of Knoxville, Tenn., became the first Yank to be a walking scorer in "the Open," as it's called in England.

"A walking scorer walks along with each group of golfers recording every shot they take, where it comes from and where it goes," Koger said. "We use little handheld computers to send scores to the media center and all the scoreboards. When they finish a round, we can say, 'OK, Tiger Woods had 25 putts, hit in two bunkers and hit the fairway 70 percent of the time' — all the stats that crazy golfers like to keep up with."

Koger explained that scorers are assigned tee times and whoever is playing in that foursome are the people they follow.

"I had mostly players from the United States," he said. "Stewart Cink, a Tech graduate, Bo Van Pelt, Tom Lehman and Stephen Ames are some of the bigger names I scored for. Cink did well — I think he finished 15th or so."

Koger worked his first tournament — the Doral Open in Miami — in the late 1980s.

Jackets Win Sportsmanship Prize From ACC

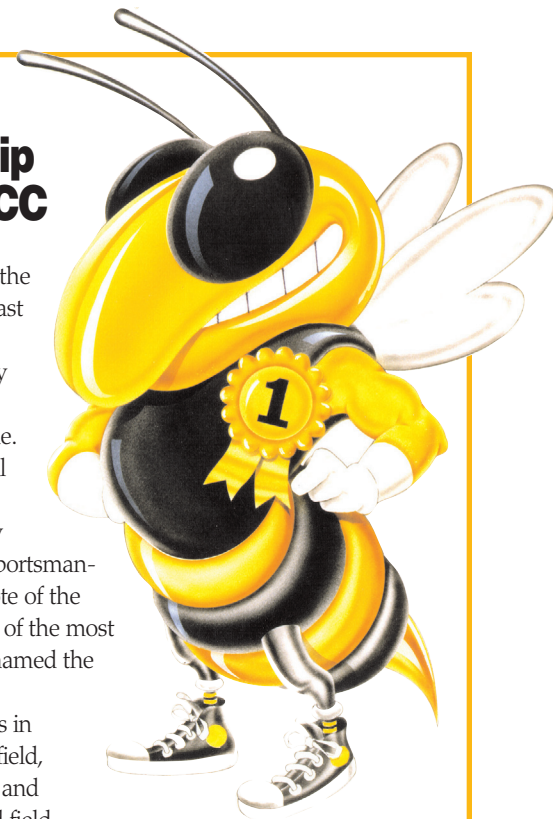
GORGIA TECH received the inaugural Atlantic Coast Conference Sportsmanship School of the Year Award by the ACC Student Athlete Advisory Committee in June.

Awards are given in all 25 conference-sponsored sports to teams that display good character and good sportsmanship, as determined by a vote of the league's teams. The winner of the most individual team awards is named the overall winner.

Tech won team awards in women's indoor track and field, women's tennis and men's and women's outdoor track and field.

"We're very proud of our student athletes and coaches for displaying such a high level of sportsmanship while playing on an equally competitive level," said Director of Athletics Dave Braine.

The traveling trophy will be on display at the Edge Athletic Center for one year.



John Koger, a self-professed golf nut, was the first American to participate in the British Open as a walking scorer.

"I've worked the PGA, the U.S. Open, the Senior PGA and the BellSouth in Atlanta," he said. "I did one or two tournaments a year while I was still working, but I retired three years ago and now I'm doing 11 or 12 tournaments a year."

Koger was working last year's U.S. Open alongside a European tour official and he asked about the possibility of working the British Open.

"The tour official said, 'Well, I don't know that we've ever had an American, but contact this fellow,'" Koger said. "A few months later I got a letter saying, 'You're in.'"

Koger, an Engineering Hall of Fame inductee, worked his entire career at the Oak Ridge atomic energy complex until his retirement. He currently consults with small metallurgical and chemical engineering companies when he's not on a golf course.

Koger has played golf since he was a boy and still tries to play three times a week.

So how's his game?

"Well, by being around these pros all the time, I get some good lessons just by watching," he said. "I shoot a 9 handicap, but then age rears its ugly head."

2004

Gailey Cautious, Confident Entering Third Season

CHAN GAILEY EXPRESSED OPTIMISM TEMPERED WITH CAUTION as he enters his third season as Georgia Tech's head football coach. His optimism follows a surprisingly good 2003 season that ended with a 52-10 blowout of Tulsa in the Humanitarian Bowl. His caution is tempered by the 2004 schedule. Perennial powerhouses Miami and Virginia Tech, the newest members of the Atlantic Coast Conference, pay visits to Bobby Dodd Stadium this fall. *By Neil B. McGahee*

"Miami, Virginia Tech and Florida State are similar type teams with great athletes that win consistently," Gailey said. "We must continue to improve our consistency and we must continue to recruit guys on a national caliber level. Tech is unique because we offer the best combination of athletics and academics of any institution in America. That's not conjecture, that's fact. Our football team has been to seven straight bowls — only 11 schools in America can say that."

"We had a great recruiting year and a solid spring practice," he said. "I'm very pleased with the direction we're heading."

Sophomore quarterback Reggie Ball, last year's ACC Freshman Player of the Year, was impressive in the spring scrimmage game, throwing for two touchdowns and setting up a field goal, and backup Patrick Carter threw for three scores.

"Reggie played very well the first half of last year, then he played kind of up and down," Gailey said. "He has lots of talent, but he needs to work on the intangible parts of playing quarterback — leadership and consistency. Carter is a redshirt freshman with a lot of talent but he hasn't stayed healthy. I'm looking forward to seeing him at full speed."

Gailey said he tries to answer three questions in spring practice.

"First, can we avoid season-ending injuries?" he asked. "Second, who will replace the players we lost and third, can we identify problem areas so we know about them now rather than later?"

Although seven defensive starters return, the Jackets must replace two linemen and all three linebackers.

"Our situation is the complete opposite of what it was last spring," Gailey said. "Last year we had almost everyone back on defense so we were able to use the spring to develop depth. Now we're trying to replace people like linebackers Keyaron Fox, Daryl Smith and Ather Brown."

Preseason All-Americans defensive end Eric Henderson and safety James Butler form the defensive nucleus along with potential All-ACC candidates Travis Parker, Gerris Wilkinson and Reuben Houston. Wilkinson, a starting defensive end last fall, was moved to middle linebacker in Tech's 4-3 defense, while strong safety Chris Reis was moved to strong side linebacker.

"We'll let Reis play very loose," Gailey said. "At safety, you don't take on many big linemen, so it will be a little tough for him, but he played linebacker in high school."

Gailey said the weak side linebacker position was undecided.

Houston, Butler and strong safety Dawan Landry return to bolster the secondary.

The offense also returns seven starters including for-



"We had a great recruiting year and a solid spring practice. I'm very pleased with the direction we're heading."

mer walk-on P.J. Daniels, who led the ACC in rushing last year. Daniels was also named to the preseason All-America team.

"Our running backs — Daniels, Chris Wood and Rashaun Grant — had outstanding spring practices," Gailey said. "We have a very adaptable multiple scheme offense and we can adjust or adapt to suit the personnel we have available."

Speedy senior wide receiver Nate Curry emerged as a capable replacement for last year's deep threat, Jonathan Smith, while true freshman Calvin Johnson, who chose the Jackets over the Georgia Bulldogs, offers a significant target for Ball.

"Nate is a great leader. He has great work ethic, excellent hands and is a clutch player — all the things you look for in a receiver," Gailey said. "Damaris Bilbo made tremendous strides this spring and could also make a good contribution at wide receiver."

The offensive line, stung by the losses of tackle Nat

Dorsey and center Hugh Reilly, will depend on returning starters Andy Tidwell-Neal and Kyle Wallace to open holes for Tech runners.

The Yellow Jackets coaching staff also changed during the off-season. Giff Smith, a former All-American at Georgia Southern, came from Tulane to coach the defensive line, while Brian Jean-Mary came from Division II North Alabama as linebackers coach. Former quarterbacks coach and running plays coordinator Patrick Nix was promoted to offensive coordinator and wide receivers coach Buddy Geis was promoted to assistant head coach.

Although Tech plays a bulked-up conference schedule and the "clean, old-fashioned hate" game in Athens, the Yellow Jackets have the potential to make their eighth consecutive bowl appearance and ninth consecutive .500 or better record.

"We have some more building days, but everyone understands where we are headed and what has to be done," Gailey said. "We're all on the same page." **GT**

CYBER SECURITY

Continuity planning helps weather disasters

Poor George. He was the only employee who knew all of the company's computer-server passwords and yesterday, while walking to work, he was run over by a beer truck. **By Gary Goettling**

In one variation or another, the speculative demise of someone like George strikes a familiar theme in water-cooler conversations across the United States.

Many companies' dependence on information technology has left them vulnerable to unexpected disasters that could shut down or disrupt the electronic network and everything wired to it — along with essential business operations. The risk is amplified when separate business functions have integrated through IT and also by the mutual dependence of several companies along a supply chain.

Planning for business continuity and disaster prevention have also become hot topics at seminars, in Georgia Tech classrooms and in the business press in recent years.

According to security expert Thomas E. Noonan, ME 83, a business-continuity plan is more than just a good idea, it is essential.

"A good business-continuity plan in terms of critical infrastructure — meaning the cyber infrastructure — clearly focuses first on minimizing the opportunity for disaster to happen in the first place," said Noonan, chairman, CEO and co-founder of Atlanta-based Internet Security Systems, which produces and markets a range of Internet products and services worldwide.

"The continuity issue has been tested time and time again with these pervasive, widespread, highly damaging worms and trojans and other types of blended Internet threats that compromise the critical infrastructure," Noonan said. "Business-continuity planning that only focuses on the reactive elements of the process once the disruption has occurred has proven to be too little, too late."

Business-crippling IT disasters run the gamut from tornadoes to cybervandalism, Internet hackers and acts of terrorism. Even accidents — coffee spilled on critical backup tapes, for instance — could bring disastrous consequences by impeding or halting the ability to conduct business.

Noonan said that much progress has been made over the past few years, pointing to the establishment of the National Infrastructure Advisory Council to provide President George W. Bush with recommendations regarding the security of the cyber and information systems of national security and economic-critical infrastructures.

"The continuity of our critical infrastructure is front and center for the council," said Noonan, who was appointed to the 24-member panel by Bush in 2002. "We've put an enormous investment there over the past couple of years in terms of awareness planning and communications."

Another example at the federal level are the Information Analysis and Security Centers. Established during the Clinton administration, the centers address the concerns of specific industries and provide a "central coordination capability whereby threat information and business-continuity information are networked among industry participants," Noonan said.

Speaking at the Atlanta SecureWorld Expo last fall, Richard DeMillo, Imlay dean and distinguished professor of computing at Georgia Tech's College of Computing,

said that antiviruses, firewalls and virtual private networks will be deployed in 95 percent of all organizations by next year. Drawing from a survey of IT professionals conducted last year, DeMillo added, "By 2005, 60 percent of organizations will have both intrusion detection systems and vulnerability analysis tools deployed, up from only 7 percent in 2001."

He also noted that "identity management and intrusion prevention are the fastest-growing security products, with 45 percent and 43 percent compound annual growth rates, respectively."

But given the often unpredictable and variable nature of disasters, not every threat can be anticipated or prevented. A company's ability to carry on during such interruptions could mean the difference between survival and bankruptcy.

A survey conducted two years ago by AT&T revealed that one in four U.S. companies do not have any kind of business-continuity or disaster-recovery plans in place, and of those that do, one-fifth have not tested their plans in the past five years.

Those findings prompted AT&T to commission a series of new studies. Georgia Tech was one of five universities receiving grants to analyze a particular industry segment in terms of best practices in business continuity and disaster recovery.

Naresh Malhotra, Regents' professor of marketing, and Saby Mitra, associate professor of information technology, examined the travel and leisure industry and developed a business-continuity framework. The process included in-depth interviews with managers in the industry.

"This survey has real-world application and the potential to be useful in a number of industries," Mitra said.

Malhotra added, "Business continuity and disaster recovery have become very important and innovative approaches are needed to study and benchmark such practices. However, the survey needs to be supplemented with other qualitative approaches, given the sensitivity of the topic."

Among the report's key recommendations to help companies develop a plan for continuity and data security:

• **Start at the top.** "Commitment and support of the top management are critical in defining the success of business-continuity and disaster-recovery efforts," Malhotra said.

• **Business analysis.** Most companies do not have



the resources to protect everything. A critical step is to identify mission-critical processes that must be instantly recovered and mission-enabling processes that can be recovered in a reasonable amount of time.

• **Strategy development.** Strategies at the corporate, process and resource levels are defined to provide parameters for the nuts and bolts of the business-continuity plan.

"Flexibility and redundancy in the system are key," Mitra said. "This is why key resources that support mission-critical and mission-enabling processes must have backup availability. In addition to planning around critical business processes, it is also critical to plan around key resources."

• **Plan development.** Committees drawn from each department and business process write specific contingency plans for their respective units and processes. The plans should include detailed requirements for resources, potential backup financing needs and alternate office and data-center locations. The plans should also address contingencies for the maintenance of critical processes.

• **Implementation.** "Once the plan is designed," Mitra said, "building awareness, highlighting the plan's importance, providing detailed training and developing easy-to-use templates for employees to follow are all important steps in successfully implementing the plan."

• **Maintenance.** Business conditions change, and the plan must be revisited periodically. The frequency of review depends on the industry, but once to twice a year is common.

"The key is that business continuity and disaster recovery should be viewed as ongoing business activities rather than as ad hoc projects," Malhotra said. **GT**