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President’s View

Reflections on national spotlight

“It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness, it was the epoch of belief, it was the epoch of incredulity…”

Charles Dickens opened his great novel, A Tale of Two Cities, with these lines, which could have been written in any era because they describe every age.

They certainly resonated with me on Sept. 1, 2006. In the span of a few hours, I attended the campus memorial service for Tiffany Marie Sowers and the First Friday parade. We grieved the senseless murder of a promising student; then we celebrated the beginning of a promising new football season.

It was a hard transition. Yet as a university community, we managed to do both because we knew Tiffany would have wanted it that way.

Earlier in the summer, we lost Walter Cox. I said at his memorial service, “No one ever loved Clemson more and demanded less in return than Walter Cox.”

Then, a few weeks later, we learned that Clemson is now a top-30 national public university, according to the U.S. News & World Report rankings. This is the most respected and most credible of the various higher education lists because it combines hard, statistical data with softer “reputation” scores. It’s more than a survey; they do their homework.

Last year, Clemson gained ground because of measures that matter most to students and parents — smaller classes, lower faculty-to-student ratios and higher graduation rates.

And so, the life of a university rolls on. It was the best of times, it was the worst of times, and we rose in national stature because of a lesson Walter Cox taught us long ago: “The students come first.”

Clemson was in the national spotlight — and in the New York Times — this fall because of two major stories.

Football student-athlete Ramon (Ray Ray) McElrathbey’s determination to raise his 11-year-old brother, Fahmarr, captured the nation’s imagination and inspired millions.

The other story spotlighted the Clemson University International Center for Automotive Research (CU-ICAR) and the unprecedented support we have received from automotive industry partners as well as the state of South Carolina.

The first class of seven Ph.D. students in automotive engineering began studying on campus this fall. Next year, they will move to the new Carroll A. Campbell Jr. Graduate Engineering Center, which is under construction now, and a new crop of master’s and doctoral degree candidates will join them.

This level of national attention, however, invites greater scrutiny, and the New York Times seemed to many to imply that our partnership with industry is a new and menacing threat to academic freedom and institutional integrity at Clemson.

In fact, Clemson has a 100-year history of working closely, with integrity, with industries ranging from agriculture to biomaterials to textiles. Economic development was a part of Thomas Green Clemson’s vision and has always been a part of our mission as a land-grant university.

Seeking partners, seeking collaborators or seeking input is one thing. However, ceding control is another thing altogether.

As alumni, you can be confident that Clemson has not and will not give up control over our core academic enterprise. We listen to many voices, but it’s the sole responsibility of the University and its faculty to determine such things as hiring, promotion, tenure, curriculum and content.

BMW, Michelin and Timken — known internationally for excellence in engineering — have chosen to partner with us because of this independence and strength, and because of the quality of our faculty, students and graduates.

The foundation of this quality is academic integrity — a core value at Clemson.

President Barker is pictured with Secretary of State Condoleezza Rice (left) and Secretary of Education Margaret Spellings during the U.S. University Presidents Summit on International Education earlier this year.

President James F. Barker, FAIA

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Rise in U.S. News ranking

U.S. News & World Report this year ranked Clemson as a top-30 public institution among the nation’s public doctoral-granting universities. This is a move up from 34th last year. Clemson is again ranked as South Carolina’s top public university.

The latest report shows improvements in key educational areas, such as class size, graduation rate and quality of students. This year, Clemson reported that 39 percent of classes had fewer than 20 students and just 10 percent of classes had 50 or more. Clemson’s graduation rate rose from 72 percent to 75 percent. This year, 45 percent of Clemson’s freshmen graduated in the top 10 percent of their high school graduating class, which is up from 38 percent.

In addition, Clemson is recognized as having an “outstanding example of an academic program believed to lead to student success” in its Writing Across the Curriculum program.

Top-20 civil engineering

According to the latest U.S. News ranking, Clemson’s civil engineering department is 14th among the nation’s public doctoral-granting engineering schools. The department is ranked 24th in a list that includes private and public schools.

National competitions and first-hand experience are a large part of Clemson civil engineering students’ success. Clemson student teams have won championship titles in the National Concrete Canoe Competition, the National Student Steel Bridge Competition, and the Institute of Transportation Engineers recognized Clemson with the 2006 Outstanding Student Chapter Award.

The Clemson Wind Tunnel, a facility for studying the effects of high winds on low-rise buildings, serves an internationally recognized program whose experts testify before Congressional subcommittees researching hurricane preparedness. The department is also home to the Asphalt Rubber Technology Service, which promotes, designs and tests the use of recycled scrap tires in rubberized asphalt and other civil infrastructure applications.

Bernanke at Leadership SC

Federal Reserve Chairman Ben S. Bernanke, a native of Dillon, returned to South Carolina in August for a homecoming celebration hosted by Leadership South Carolina, a Clemson public service.

Bernanke spoke to a gathering of business executives, community leaders and government officials on the U.S. economic outlook at the Palmetto Expo Center in Greenville.

Leadership South Carolina, now in its 27th year, is the state’s oldest and most recognized leadership development program. Each year, approximately 55 individuals are selected through a competitive process for understanding of issues facing the state. It provides gifted and highly motivated South Carolinians an opportunity to advance their knowledge of issues facing the state.

For more on Leadership South Carolina, go to www.leadershipsouthcarolina.org.

One-of-a-kind packaging

A $2.5 million gift from global packaging leader Sonoco Products Co. has launched the proposed Sonoco Institute of Packaging Design and Graphics at Clemson.

The gift forges a powerful learning and economic development resource for South Carolina, creating the opportunity to plan an institute that will be the only one of its kind in the nation.

The institute will provide resources for students in packaging, printing and allied fields. It will promote consumer and environmentally superior packaging design development, printing-imaging technologies and printing-packaging systems.

The funds will help pay for construction of a facility to house the institute.

Commitments of gifts-in-kind will help provide technology support. Program leaders foresee the need for three endowed chairs to teach and guide the institute, which will be self-sustaining.

Pictured at the presentation are, from left, packaging science major Meredith Idell, Clemson President Jim Barker, graphic communications major Amy Etheridge and Sonoco Products Co. President Harris E. DeLoach Jr.

CU-ICAR’s first class

The Clemson University Center for Automotive Research (CU-ICAR) has begun “producing” its most important product — a highly skilled work force. The first class of students in Clemson’s new graduate program in automotive research is under way.

Students are studying on the main campus while construction on the Carroll A. Campbell Jr. Graduate Engineering Center is completed on the CU-ICAR campus in Greenville.

Program director Thomas Kurfess, BMW Endowed Chair in Manufacturing Integration, says that at full production the program will graduate approximately 30 students with master’s degrees and five to 10 with doctoral degrees each year.

For more on CU-ICAR and Clemson’s automotive engineering graduate program, go to www.cu-icar.com.
Gift for good health

THE DUKE ENDOWMENT, ONE OF THE NATION’S largest private foundations, has announced a three-year $21 million grant to Health Sciences South Carolina (HSSC).

HSSC is a statewide collaborative of Clemson, the Medical University and the University of South Carolina with the Greenville Hospital System, Palmetto Health and Spartanburg Regional Healthcare System working to improve citizens’ health and quality of life.

The grant, the largest the foundation has ever made, will support the establishment of the Center of Healthcare Quality and Clinical Effectiveness and will enable HSSC to develop and implement Centers of Economic Excellence Endowed Chairs programs.

Smart freshmen!

Clemson’s chapter of Alpha Lambda Delta (ALD) has earned the national honor society’s highest award, the Order of the Torch, one of only five chapters in the country to do so. ALD is for students who maintain a 3.4 or higher GPA and are in the top 20 percent of their class during their first year in higher education. For more on Clemson’s chapter, go to people.clemson.edu/ald.

Excellent

History and German major Samuel Scarry has won a Deutscher Akademischer Austausch Dienst scholarship to study in Germany for a full academic year. He’s one of only 62 undergraduates from 50 universities in the United States and Canada to receive the award.

Centered on success

Clemson’s Academic Success Center was named the Outstanding Supplemental Instruction Program during the International Conference on Supplemental Instruction in Sweden. Clemson honor graduate Anne “Katie” Abole was named Supplemental Instruction Leader of the Year for her work in the center. The center serves students as one of the first lines of defense against withdrawals and failures, especially in the areas of math and sciences. It provides tutoring, additional instruction and a variety of academic skills workshops. For more information, go to www.clemson.edu/asc.

SME fellow

Mechanical engineering professor Thomas Kurfess, BMW Endowed Chair in Manufacturing Integration and director of the Carroll A. Campbell Jr. Graduate Engineering Center at CU-ICAR, has been named a Fellow of the Society of Manufacturing Engineers (SME), the world’s leading professional society serving the manufacturing industry. One of only four 2006 SME Fellows, Kurfess is globally recognized for his work in precision manufacturing systems, advanced process control, metrology and his service to the manufacturing community.

Venice exhibit

Architectural professors Doug Hecker and Martha Skinner were selected to exhibit this fall in the 2006 Venice Biennale in Venice, Italy, one of the most prestigious cultural institutions in the world. Their chosen proposal — Dry-In House: an Affordable Mass Customized House for the Reconstruction of New Orleans — allows families to participate in the design of their customized homes to get them back to their home sites as quickly as possible and into a “dried-in” shell that can be finished and further customized over time. The process uses an interactive Web site connected to CNC-controlled fabrication.

Great advice

Clemson Extension consumer horticulturist and state Master Gardener coordinator Bob Polomski has received national recognition for helping gardeners with their problems on the radio. Polomski received the 2006 Garden Writers Association Silver Award of Achievement for his work with the “Your Day” radio program’s call-in gardening show. “Your Day,” produced by Clemson University Radio Productions for S.C. Educational Radio, reaches listeners across a tri-state area.

Simply the best

Senior Platoon pride

Members of Clemson’s Alumni Senior Platoon joined in the University’s annual First Friday Parade, kicking off the 2006 football season.
pARTy time!

Lee Gallery visitors surround Henry Bauer as he shares stories about how he collected various works of art in the exhibition “The Henry Bauer Collection: Ceramics and Bronze from Alfred NY and Beyond.” His ceramic collection is considered one of the most important in the United States.

The Friends of Lee Gallery, volunteers dedicated to the advancement of the visual arts at the University, hosted a "pARTy" during the Bauer exhibit to welcome new faculty to Clemson. For more on the Lee Gallery, call (864) 656-3883 or visit the Web at www.clemson.edu/caah/leegallery.

Winning formula

Clemson's Formula SAE team shows sponsors what their work is all about during Sponsor Day.

The team takes part in the Society of Automotive Engineers annual international collegiate competition each year, in which students design, build, and race a miniature open-wheel Indy race car. They also make a business presentation, marketing the car to the average weekend racer, and they submit a professional cost report of the entire manufacturing process.

Clemson Formula SAE has a record of outstanding performances in the competition with three top-10 finishes. Students raise funding for the team by seeking corporate sponsors and getting individual donations. For more on Clemson's Formula SAE, visit the Web at www.ces.clemson.edu/~fsae.

'Paws to the claws'

While in Boston for the Clemson-Boston College football game in September, 240 Tiger fans put their "paws to the claws" at a lobster bake sponsored by the Clemson Alumni Association. From left are Nancy and David Morrow, Beth and Witt Langstaff, and Rhonda Collins.

Clemson fans also made an impact with their flood of $2 bills stamped with Tiger Paws. The Boston Herald ran a story the week after the game, “Flood of Clemson orange has BC thinking green” (Sept. 13), on how Clemson showed its economic impact during the visit.

Playing for Habitat

Members of the Clemson University Marching Band (Tiger Band) put down their flutes, drums, trumpets and sheet music and picked up saws, drills and hammers to "make music" by working on a Habitat for Humanity project.

The band also performed selections from the hit Broadway musical and movie RENT — the story of people living in poverty — during the Clemson vs. UNC football game in an effort to bring awareness to the problem of homelessness and poverty in our community.

For more on the University’s Habitat chapter, go to people.clemson.edu/~habitat/index.php.

Happy Birthday, Mr. Clemson!

Clemson University is celebrating the 200th birthday of its founder and namesake, Thomas Green Clemson, born July 1, 1807, with a roster of activities and programs to help students, alumni and the rest of the Clemson family learn more about Mr. Clemson’s life and legacy.

Highlights of the celebration will include production of a new book written by Clemson faculty members, performance of an original play at the Brooks Center, a lecture series, exhibits and more.

Watch www.clemson.edu for details.
The exotic-sounding shell rings are just the beginning for McMillan and other Clemson specialists. “Shell Rings — A 4,000 Year Old Mystery” is the pilot episode of “Expeditions with Patrick McMillan,” a series of half-hour shows picked up by ETV and ETV’s South Carolina Channel (exclusively on cable), airing in January 2007 on Sunday nights.

A sneak peek of the first episode features naturalist McMillan, host and co-creator of the series, trekking through the salt marshes of South Carolina. He and guest expert Richard Poncher, along with guest explorer Nancy Neal, chat about fiddler crabs, cord grass and Native American shell rings.

In an accessible documentary format, the show explores various regions of the Carolinas with an emphasis on the areas’ unique treasures. They encounter the endangered wood stork, some bottlenose dolphins, various insects, a mouth-numbing “toothache tree” and other wonders.

“There’s a growing disconnect with the natural world in this age of video games and cell phones,” says McMillan. “The intricacy and interactions of the tremendous and valuable biodiversity that exist in South Carolina and the Southeast are often underappreciated and misunderstood.”

McMillan hopes that the adventuresome style of the episodes will encourage residents to develop a deep appreciation for the value of the state’s natural diversity.

While walking past some posters in the biological sciences department, Patrick McMillan had a moment of revelation. Pointing to an aerial photograph of an Indian shell ring, he exclaimed, “Now that’s a show!”

Not only does the show open doors for students to gain learning and research experience, but it also shows McMillan’s commitment to excellence. “I attempt to convey my enthusiasm and wonder for these natural marvels to the audience in the hope that they understand the importance of research institutions such as Clemson that tirelessly explore the intricacy of life.”

Through the lens of “Expeditions with Patrick McMillan,” the natural world of South Carolina becomes exotic and fascinating, and viewers will be amazed at what can be discovered in their own backyards.

For more information, contact Tom Neal at t Neal@clemson.edu or call 864-656-4246 or visit the Web at www.clemson.edu/expeditions. For viewing times, refer to www.scetv.org for local listings.
Rarely does America's school dropout problem grab headlines like Hurricane Katrina. Yet the impact of this national challenge has been every bit as devastating to the lives of millions of individual Americans, their families and to our society and economy.

Across the country, every nine seconds a student drops out of school. In South Carolina, this translates into a shocking annual high school graduation rate of only 59 percent. The nationwide average is 73.9 percent.

For 20 years, the National Dropout Prevention Center (NDPC) at Clemson University has focused on the challenging issue of preventing students from leaving school before achieving a high school diploma. Over those 20 years, the importance of that goal has intensified as society has changed; however, the reasons that students drop out have stayed the same.

The top reasons remain that the student didn't like school, was already failing, couldn't get along with teachers, couldn't keep up with work, got pregnant, felt like she or he didn't belong.

Graduation rate, a powerful indicator of school effectiveness, tells policy-makers and practitioners that there is indeed a problem with our educational system, a system designed for another century.

Young people who drop out do not just disappear. Their dropping out has a lasting impact on themselves, their parents and siblings, and their future families as they become adults and have their own children.

Economically, individuals who drop out of school are hard pressed to find good-paying jobs and lack opportunities to advance a career. The failure to graduate more students is impeding our overall economy. For example:

- U.S. companies lose nearly $40 billion annually because of illiteracy.
- High school graduates, on the average, earn $9,245 more per year than high school dropouts.
- High school dropouts are 3.5 times more likely than graduates to be arrested in their lifetime.
- The estimated tax revenue loss from every male, age 25 to 34, who didn't complete high school is approximately $944 billion, with cost increases to public welfare and crime at $24 billion.

Consider the situation of the high school dropout. If female, chances are she's a single teenage parent with responsibilities for herself and her child. Her lack of skills and education means unemployment or low-income jobs. The scarcity of affordable, quality day care compounds the problem, and her children may easily repeat the cycle. One of the highest predictors of dropping out is the mother's level of education.

A male dropout likewise has few job options and career opportunities. If he has a family, he must work more than one job to pay the bills. He may succumb to the temptations of drugs and other crime. In fact, 75 percent of prison inmates are high school dropouts.

Consider also the communities and states where there are many individuals without high school diplomas. The impact on a community's quality of life is obvious. The state government's extra expenditures in welfare, prison and loss of income from a reduced tax base intensify the problem. Some states, like South Carolina, are also noting the effect on recruiting industry to foster economic development. New industries generally need a high performance work force, a well-educated population with a minimum education of a high school diploma. And 21st century workers need to have additional skills and knowledge from a two- or four-year college.

The S.C. Legislature has boldly stepped forth in connecting the dots between an improved graduation rate and economic development. The Education and Economic Development Act (2003) is a visionary piece of legislation that focuses on improving academic achievement, career choices, work skills and the graduation rate of our students through a variety of effective strategies.

The 15 Effective Strategies that the NDPC has promoted from their 20 years of research is an important element supporting the legislation's effort to combat the dropout issue. These strategies include a school/community perspective, early interventions, basic core strategies and making the most of instruction.

Other states, like South Carolina, have or are beginning to comprehend the important connections between high school graduation rates and a strong economic environment. At Clemson, we can be proud that the National Dropout Prevention Center has provided a road map toward success for one of the greatest challenges of our times.

To learn more about the 15 Effective Strategies or how you as a parent, business administrator or civic leader can help, go online at www.dropoutprevention.org.
Clemson University is celebrating the 50th anniversary of making the best domestic blue cheese you’ll ever taste, and we’d like to invite you to join in. Share your most delicious Clemson blue cheese traditions by sending us your favorite recipes. The best recipe will win a specially selected gift basket of blue cheese.*

Of course, to make your delicious creation, you’ll need plenty of Clemson Blue Cheese on hand. And that’s easy! Simply call 1-800-599-0181. Plus, when you’re on campus, you can stop by the Eastside Food Court in the Hendrix Student Center to pick some up in person.

When you make over 24,000 pounds of blue cheese every year like we do, there are bound to be lots of delicious ways to enjoy it. Send in your favorite recipe today!

Enter Your Favorite Blue Cheese Recipe Today!

Send entries via mail:
Clemson Blue Cheese
Aram: Missy Smith
ARAMARK
PO Drawer 429
Clemson, SC 29633

Via email:
smith-missy@aramark.com

*Contest dates: 11/13/06 – 1/13/07.
It's no secret that Vickery Hall has been a crucial factor in the record-setting performances of Clemson student athletes in recent years. Since Vickery Hall opened in 1991 as the first facility solely dedicated to student-athlete enrichment, its programs have been widely recognized and emulated by other athletic departments across the country. But long before there was a Vickery Hall, Clemson was already a leader among its peers in supporting and advising student athletes off the field. That's because Clemson was fortunate enough to have Col. Rick Robbins.

Robbins was born in 1921 in Austin, Texas. Destined for a career in the military, he began his studies at Kemper Military Academy and later enrolled at the University of Texas. In 1942, Robbins joined the Armed Forces and served his country during World War II in Gen. George Patton's Army. He became one of very few soldiers who served on two fronts during the war — first in Europe and then in Okinawa, Japan. After the war, he returned to UT, graduating in 1948.

Over the next 20 years, Robbins served in several posts, including two tours of duty in Korea. Between his Korean tours, from 1961 to 1964, he was assigned as a military history professor at Clemson. During those years, he fell in love with the students, the University and the town where he knew he wanted to make his home. It was also during those years that he began his work with the Clemson Athletic Department as a volunteer coach for P. Wee Greenfield's track team. This set the foundation for his role as an adviser.

After retiring from his distinguished military career in 1967, Robbins became the full-time adviser for Clemson athletes. The sign on his desk read that he was the "Brain Coach," but he was much more than that. Robbins was highly respected (and somewhat feared). His daily routine began by driving around campus in his Corvair, policing the 8 a.m. classes, making sure student athletes were all present or accounted for. Throughout the mornings, he would meet with them to see how they were progressing academically and to help them find tutors or extra help when needed.

His afternoons were spent on the practice fields, providing some "Texan motivation" when needed. He also started an organized weightlifting program for the football team. The evenings found Robbins enforcing study hall attendance and good study habits. As many Clemson students can attest, the Cooper Library has several nooks and crannies that make for a quiet, comfortable place to rest, but Robbins would walk around the library in his trademark cowboy boots and put those boots to good use if he found a player napping under the stairs.

In addition to academic support, the colonel was the person to whom student athletes could turn for advice and counseling. He was a parent to some, a friend to others and a trusted adviser to all. In the 1960s and 1970s, Robbins acted as an agent for several players who were drafted into the NFL. At that time, very few athletes had agents or advisers to help them negotiate, so the colonel would fly in and sit by the player's side as he came to terms with his new team.

Clemson student athletes weren't the only ones who benefited from Col. Robbins' guidance. He was instrumental in the formation of the Greek system at Clemson, serving as the chapter adviser to the Sigma Alpha Zeta local fraternity, which became the first national fraternity on Clemson's campus — Pi Kappa Alpha.

Robbins died suddenly in June 1980. He left behind his wife, Clare, and two sons, Dick '76 and Tom '82. It was said that the bright shade of Clemson Orange lost a bit of its luster the day he passed away. However, that luster can still be found in the many great stories about Col. Robbins and in the memories of the thousands of students and athletes whose lives he touched. He was inducted into the Clemson Athletic Hall of Fame in 1992.

Nate '94 and Stephanie Rayburn '96 Manning live in Greenville with their son, Will. Nate was the proud recipient of the Col. Rick Robbins Scholarship as an undergraduate member of Pi Kappa Alpha.

Richard C. Robbins, 1921-1980

The 'Brain Coach'

by Nate Manning '94

Cemetery Chronicles is a series on the honored inhabitants of Clemson's Woodland Cemetery, better known as Cemetery Hill. For more information about the cemetery’s historical value, contact Matt Dunbar at tigeray@alumni.clemson.edu.

To support its preservation and research, you can make a gift through the enclosed envelope and designate it for the "Cemetery Hill Preservation Fund."

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Passing it on by Jack McKenzie and Liz Newall

There is “something in these hills” that within our soul instills. A dream for those who’ll soon be passing through.

— Joel Browley, Alumni Distinguished Professor and Class of ’39 Award for Excellence recipient

Walter T. Cox Jr. ’39, who passed away in June, lived life to the fullest at Clemson. He experienced the roles of student athlete, coach, adviser, dean, vice president, president, friend, advocate and ambassador. But his greatest role, in fact his legacy, was his abiding attention to students. His acts of caring inspired those he helped to help others, multiplying genuine concern and generosity throughout six decades of Clemson students and alumni.

This caring quality is epitomized by his bronze statue sitting on a bench near the Student Union where a student once left a note that read, “Thank you for letting me talk with you.”

Cox enrolled in Clemson in 1935. As a student, he was a company commander in the Cadet Corps, a letterman in the Block “C” Club and an All-State guard on the football team. Except for a year of military service during World War II, he never left.

Reminders of him are all around campus. He was inducted into Clemson’s Athletic Hall of Fame in 1984. In fact, one of the first IPTAY athletic endowments was anonymously named in his honor. The Walter T. Cox Jr. Plaza in front of the Student Union was dedicated in 1998. Walter T. Cox Boulevard, the portion of S.C. Route 93 that passes through the Clemson University campus, was named for him in 2002.

More than 100,000 students have enrolled at Clemson since Walter Cox first stepped on the campus. He felt a kinship with them all. And he made a difference in the lives of many.

Phil Prince ’49, a former president of the University and longtime Clemson leader, fondly recalls playing football with Cox as his line coach. Later, as president, Prince saw him from a different perspective. “What really made Dean Cox so special was his longevity and the number of young people he counseled through all of those years,” says Prince. “He helped so many people get into Clemson and then stay at Clemson and then stay in touch with Clemson.”

One of those students was John Walker ’58, whom Cox, as Dean of Students, helped remain in school through a difficult period in his life. Today, Walker is both a successful businessman and a generous Clemson benefactor. He made a major pledge in 2001 to help build the John E. Walker Department of Economics into one of the best in the nation.

The golf course at the Clemson Conference Center and Inn is named for his father. In addition to being a favorite attraction to visitors and returning alumni, the Walker Course serves as a laboratory for Clemson students and the home of the nationally ranked Tiger golf team.

Another student he helped was the late Robert H. Brooks ’60. Brooks arrived at Clemson with a picnic lunch, a high school transcript, a dollar or two in his pocket and no idea how he was going to pay for college. “Then he met Dean Cox, who helped him secure a loan and get through the enrollment process,” Brooks’ experience with Dean Cox helped remain in school through a difficult period in his life. Today, Stafford is vice president for corporate communications for Santee Cooper, the state-owned electric and water utility, another organization upon which Walter Cox has had a major impact. Cox served for 21 years on its board of directors. In 1996, Santee Cooper donated funds for a 6,000-square-foot facility, the Walter T. Cox Center, at the R.M. Cooper 4-H Leadership Center. Clemson’s Youth Learning Institute and the Cooperative Extension Service have helped countless S.C. youth through the Cooper facilities.

There are many other untold stories. Too many to share and some we may never know. But one thing is clear; a person’s act of giving is powerful and infinite — from Thomas Green Clemson’s willing property to a “high seminary of learning,” to Dean Cox’s lifelong concern for students, to giving is powerful and infinite — from Thomas Green Clemson’s willing property to a “high seminary of learning,” to Dean Cox’s lifelong concern for students, to...
Throughout his 30-year science career, Brune has worked with micro-algae — microscopic plants that grow in water — to clean up the environment and, yes, to make food.

Instead of getting us to eat algae, Brune has developed a system that uses micro-algae to produce fish and shrimp. Then we eat the fish and shrimp. In the process, he has boosted food production and eliminated pollution from fish farming, or aquaculture. Brune figures out ways to use algae to convert solar energy into fuel, food and fertilizer. It’s not magic; it’s biosystems engineering, a combining of engineering with biological and environmental sciences.

His savvy and experience have earned him the 2006 Godley-Snell Award for Excellence in Agricultural Research. He also holds the Charles Carter Newman Endowed Chair of Natural Resources Engineering.

Brune and his colleagues run Clemson’s aquaculture program on a few acres next to the bottom land where faculty and students grow organic vegetables and other crops. They developed and patented the Partitioned Aquaculture System, which is revolutionizing fish farming.

During more than 20 years of tests, the system has consistently produced more than 18,000 pounds of catfish an acre each year compared to 5,000 pounds in conventional ponds. Water use is reduced by 75 percent, and waste discharge is eliminated by using algae and tilapia — fish that eat algae — to clean the water. As a bonus, the system produces 5,500 pounds of tilapia an acre.

Catfish are confined in a small area of the pond to control their health and feeding. A slow-moving paddle wheel circulates water over the fish and through a series of raceways, removing the fish feces, or sludge, from the confinement area.

Algae grow in the raceways and feed on the sludge. Shallow water and continuous movement maximize algae production by allowing growth at all levels of the water instead of only at the top. Tilapia in the raceways eat the algae to complete the waste removal process. Algae feed on the waste; tilapia feed on the algae, producing clean water, no waste discharge and a valuable secondary crop.

The system has also increased shrimp production to about 35,000 pounds an acre, compared to 5,000 pounds in traditional ponds, with zero discharge of sludge and water. It lowers the cost of fish and shrimp by 5 to 10 cents per pound. As a result, large fish farmers in Alabama and Mississippi are converting to the partitioned system.

About 3,000 miles from Clemson is another Brune project. Instead of working in ponds, he’s working in California’s Salton Sea. The 350-square-mile inland sea is dying, overloaded with fertilizer from farm runoff.

“We capture phosphorous that comes in at very low concentrations, and we grow micro-algae on it, concentrate it to useful levels and send it back to the farmers,” says Brune. “Then they can use less chemical fertilizer, which reduces the pollution load to the sea.”

It’s a classic Brune system. Farmers grow food using sunlight and fertilizer; fertilizer runoff and sunlight nourish algae; algae are collected, processed and returned as fertilizer to the farmers. In the process, algae make methane gas, which is a bio-fuel. The results are food, fertilizer and fuel: Brune’s trinity.

Widespread use of the solar-energy-driven nutrient recycling system is in the future. At present, fertilizer is relatively inexpensive, and U.S. farmers, unlike some European farmers, do not have to pay fertilizer user-fees, which encourage efficiency and recycling efforts.

Brune takes the long view: The future favors the prepared.

“That’s our job as university professors — to be ahead of the curve. We are here to build intellectual and technological capacity to meet the problems that are coming to American farming and the environment.”

To learn more about Clemson aquaculture and Brune’s research, go to www.clemson.edu/scg/aqua.
FALL 2006

Flying Tigers

Clemson head football coach Tommy Bowden got a bird’s-eye view of South Carolina during an F-16 orientation flight with the 169th Fighter Wing, S.C. Air National Guard, May 25, 2005. His pilot was Capt. Rick “Slammer” Noble, a 1995 Clemson graduate and veteran of Operation Enduring Freedom and Iraqi Freedom.

(Source: Code One magazine, Vol. 20, No. 3, 2005.)

From Clemson Student to Military Leader

Support from the Clemson Corps helps make scholarships available for Clemson’s Air Force and Army ROTC cadets, enabling them to succeed as students and carry on our University’s tradition of excellence as they serve our country.

www.alumni.clemson.edu/clemsoncorps.htm
It was the brainchild of leaders from two academic colleges — Architecture, Arts and Humanities and Business and Behavioral Science — with instrumental initial support from former deans Jim Barker and Jerry Trapnell. The program was kick-started by a very generous gift from a Clemson alumnus who has asked to remain anonymous.

Hot property

Their bold vision became a reality this past May when Clemson celebrated its first graduating class in the Master of Real Estate Development program. The MRED is a full-time, two-year professional degree offered jointly by the planning and landscape architecture department and the finance department.

“It’s important to recognize that there are fewer than 10 graduate programs in real estate development in the nation, in prestigious universities such as MIT, Columbia, Cornell, Southern Cal, Texas A&M and Johns Hopkins,” says J. Terrence Farris, program director. “Clemson’s MRED program is the only one offered jointly by architecture and business colleges. It is a critical distinction that gives Clemson students a unique and compelling advantage.”

That’s right. It is the only program of its kind in the United States.

Six disciplines are involved — MBA, finance, law, city and regional planning, architecture, and construction science and management — plus new courses in real estate development. Students in the MRED program gain a philosophical grounding in all those areas, as well as practical experience. They work individually and in teams. They do internships and take field trips. They work with some of the brightest, most successful minds in the field.

“In the MRED program we’re teaching future developers to consider a broad range of site design and business issues in every single decision they make,” says Janice Schach, dean of the College of Architecture, Arts and Humanities. “Building a great community means envisioning a place where people can live healthy lives in harmony with nature. It means creating spaces for people to be happy and prosper. It’s much more than just cutting roads, clearing trees and constructing buildings.”

Students attend professional real estate conferences including one week at the national Urban Land Institute conference, networking with the leading professionals in the development industry. Clemson is fortunate to have the immediate past chairman of the ULI among its alumni — Harry H. Frampton III ’67, who is a key supporter of the program and president of the Clemson University Foundation.
The program also sponsors the Charles Fraser Visiting Associates and Lecture Series honoring his legacy — the founder of modern-day Hilton Head Island as developer of Sea Pines and considered to be the creator of modern-day resorts in the United States. Applicants have come from architecture, finance, construction, marketing, history, psychology, landscape architecture, political science and other diverse disciplines. They hail from as far away as Oregon, New York, Florida and points in between with a maximum 20 students admitted annually. Several have shifted to development in mid-career, including a retired police detective and a software specialist.

Location, location, location
The MRED program is the outgrowth of the Center for Real Estate Development. The center creates a rich research, teaching and public service resource for students, consumers and businesses in the state and region.

It has worked on an array of initiatives including analyzing future markets for downtown Greenville office developers, evaluating a mixed-use downtown project in North Augusta, preparing a land plan for an affordable housing development with an African American neighborhood in Anderson, and preparing a market overview for an 800-acre sustainable development in Greenville. It has also done research on eminent domain, big box stores, tax increment finance and Katrina redevelopment.

As the Center for Real Estate Development continues to grow, it will become a hub of information about real estate in the Southeast, a public service and research think tank encouraging responsible land use. Students, the development industry and government agencies will look to the center — not just for information, but for ideas and trends. Students in the MRED program are already serving as research analysts for the center.

“Development is a public-private partnership, and quality development requires integrating the perspectives of community, environment and economics,” says Farris. “We want our students to be great ‘Place Makers,’ not just builders of projects.”

For more information on Clemson’s real estate development program, go online at www.clemson.edu/caah/pla/mred. Students from Clemson’s 2006 and 2007 Master of Real Estate Development program — the only real estate development graduate program in the nation that officially combines the disciplines of business and architecture in a joint degree — are pictured with program director Terry Farris.

Front row from left are Lee Helena, Justin Hirsch, Joshua Ropa, Charles Rulick, Shayda Pourmand, Debbi Schadel, Travis Rice, Terry Farris and O’Neil McCoy; center, Matt Fuller and Jason Armstrong; back row, Mark Steuermann, Drew Niedermier, Jason Tannery, Paul Nudelman, Sean Luther, Matt Phillips, Michael Freeman and Jack Miller. (Not pictured is Randy Cox.)

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Lifelong Connections

Alumni Fellow — Wenonah George Haire ’76

The Alumni Association honors four alumni each year for outstanding career accomplishments.

Catawba Native American Wenonah George Haire followed her father’s path to Clemson. Evans “Buck” George came to campus in 1951 to play football for Coach Frank Howard. Two decades later Wenonah came to earn a degree in predentistry.

She received a doctor of dental medicine degree at the Medical University of South Carolina and set up a dental practice in her hometown of Rock Hill. In 1990, she began directing the Catawba Cultural Preservation Project.

Today, she continues as executive director, guiding the project’s mission to preserve, protect, promote and maintain the rich cultural heritage of the Catawba Indian Nation. The facility houses exhibits (stationary and traveling), archives, educational programs, archaeology and a language department. On its grounds is the historic Wagon Wheel Trail, which ends on the banks of the beautiful Catawba River. A craft shop on site exhibits famous Catawba pottery.

Haire is also the tribal historic preservation officer over Catawba Reservation lands. She helps determine whether any prehistoric or historic site will be affected by a federal project or by a project that will need approval or that will use federal grant monies. She works closely with an archaeologist to research lands in question.

Haire is dedicated to keeping the culture and heritage of the Catawba Nation alive, especially through its children. She’s involved with after-school classes and summer instructional programs for the children on the reservation.

To see past Alumni Fellow recipients or to nominate someone for a future award, visit the Web at alumni.clemson.edu.

Newest alumna

During the Victor Hunt Convocation to mark the beginning of a new academic year at Clemson, Provost Don Helms became the University’s newest honorary alumna.

As provost, Helms has helped develop an academic road map to move Clemson into position as one of the nation’s top public universities. Among many other teaching innovations, she’s introduced the concept of creative inquiry for all undergraduate students.

Helms joined Clemson as a zoology professor in 1973. Her accomplishments and academic excellence led to greater appointments. She became vice president for academic affairs and provost in 2002.

WestZone breezeway

The Clemson Alumni Association is proud to give $250,000 to the WestZone project to support the breezeway connecting the north and south stands.

The gift — exclusively from marketing program revenue — places the Alumni Association in the top tier of donors to IPTAY and in a high-visibility location in the WestZone concourse area.

Alumni marketing programs making this gift possible include Bank of America credit cards, Nationwide auto insurance, PASSPORT Travel destinations, Nelnet Student Loan Consolidation, Clemson merchandise and sponsorship opportunities of Alumni Association events. For more information, contact Mike Bonnette at mike.bonnette@alumni.clemson.edu or (864) 656-1694.

CBAC Scholar

The Columbia area Clemson Black Alumni Council (CBAC) recently awarded its annual Clemson scholarship to Jessica Kirby, a 4.0 graduate of Spring Valley High School. The scholarship is named for the late Luther L. Taylor Jr. ’71, who served in the S.C. House of Representatives.

Jessica, who plans to major in mechanical engineering, is pictured with Andez Stanley ’77, Columbia area CBAC representative. For more information about CBAC, call the Alumni Center at (864) 656-2345.

Clemson World online

For the online version of Clemson World, this issue and previous ones, visit the Web at cworld.clemson.edu. For the latest University news, go to clemsonnews.clemson.edu.

Tigerama quiz bowl

Do you know who was the first-place ski winner in the 1959 Tigerama? How about in 1969, 1970 or 1974? If that’s too far back for you, how about in 2001 or 2003?

Clemson’s Blue Key honor fraternity is engraving each year’s winner on a commemorative silver bowl. After much research, members have found the winners — except for these six years. If you can help, contact Rusty Guile at grussel@clemson.edu or (864) 656-0930.
**Players go global**

Clemson Players traveled to Chicago this fall to present Sincero, an original drama developed by theater students and professor Carrie Ann Collins.

The play examines powerful and universal emotions found in all kinds of letters — love letters, war letters, children’s letters, goodbye letters. The production was featured at the Around the Coyote Fall Arts Festival in the historic Chopin Theatre in the Wicker Park neighborhood of the Windy City.

During the summer, Clemson Players presented The Dreamoon Project — the troupe’s original interpretation of Giovanni Boccaccio’s 14th century masterpiece — at the Fringe Festival in Edinburgh, Scotland.

**Sonic boom!**

Bioengineering professor Ted Bateman and his students witnessed the Space Shuttle Discovery’s landing from less than 100 yards away at the Kennedy Space Center in July. Pictured from left are graduate students Eric Bandstra, Neil Travis and Shelli Graham, professor Bateman and undergraduate Chip Hinnant, all part of Bateman’s Osteoporosis Biomechanics Lab at Clemson.

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Freshman Brittany Smith of Spartanburg, the current Miss S.C. Teen USA, is a part of Clemson’s Community Scholars Program focused on civic responsibility and public service. She shares residence in the Civics and Service House within the Clemson House with other students who are also academically talented, community-minded and civically engaged.

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**‘Stuff the Bus’**

Counseling education graduate student Elizabeth Cox helped guide a program that collected 4,000 back-to-school items for Anderson, Pickens and Oconee counties. “Sharp Supplies for Sharp Minds,” also called “Stuff the Bus,” was originally started by graduate student Kim West as a part of a community service practicum and implemented in conjunction with United Way of America. Participating students are pictured with LaShonna Harrison of United Way, from left, Harrison, accounting major Kelly Spring, packaging science major A.J. Mack, counselor education graduate student Mike Bowers and Cox.

**Milleten challenge**

These Clemson students took the Milliken Summer Challenge, joining students from universities across the Southeast in unique internship opportunities. As interns, students focus on an important Milliken project in the chemical and textile industries. Each is teamed with a Milliken associate who serves as the internship sponsor, and university faculty offer technical assistance and key research knowledge. At the conclusion, students come together at corporate headquarters and present projects to Milliken senior leadership.

Clemson students taking part in the leadership forum are pictured with Milliken executives, Chairman Roger Milliken (front row, right), CEO Ashley Allen (front row, left) and COO Joe Salley (front row, second from right) and Clemson representatives Jan Murdoch, Charlie Gooding, Deb Herman and Angela Davis. Management graduate Nic Lane ‘03 (second row, right) hosted the Clemson representatives.

**Saluting India**

Electrical engineering graduate student Pooam Joshi, cultural secretary of the Clemson Indian Student Association (CISA), greets participants from the campus and community in a celebration of India’s 60th Independence Day.

Gail DiSabatino, vice president of student affairs, and Larry W. Abernathy, mayor of Clemson, were the chief guests of the event that drew more than 500 people at the Kennedy Space Center in July. Pictured from left are graduate students Eric Bandstra, Neil Travis and Shelli Graham, professor Bateman and undergraduate Chip Hinnant, all part of Bateman’s Osteoporosis Biomechanics Lab at Clemson.

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**They’re BAAAAACK — from Bowman Field to the President’s House to downtown Clemson … and everywhere else!**

Freshmen Frenzy, sponsored by the University Union’s CLEMSOONLIVE and Student Development Services’ Kickoff Clemson, welcomes freshmen to Bowman Field for food, fun and a heaping helping of Clemson spirit.

**Frenzy**

**President’s Picnic**

Lawn picnic on the lawn of the President’s House with the Bakers and Tiger Band before the Welcome Back Festival.

**Welcome Back Festival**

New and returning Clemson students pack College Avenue in downtown Clemson for the annual Welcome Back Festival. The traditional street party is sponsored by Student Alumni Council and the Clemson Alumni Association with support from the city of Clemson and area businesses. Anna Rowe is pictured.

**Tracking the Tiger**

Students from Sigma Phi Epilson fraternity paint a gigantic Tiger Paw in the middle of the intersection near Sikes Hall. Pictured from left are Ben Foster, Tyge Peacock, Steven Gunzenhauser, Mike Gee and Andrew Mitchell.

**STUFF THE BUS Back to School 2006**

The team is working to understand the causes for bone loss and develop therapies to improve health in space as well as on the ground. Grants from Procter & Gamble Pharmaceuticals, the National Space Biomedical Research Institute and NASA fund the research.

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1943
Harold L. Cooler (ARCH) of Charlotte, N.C., wrote and illustrated a book entitled Chimneys Chronicles about life in the S.C. Lowcountry during the 1920s and 1930s. As a Clemson student, he was active in three student publications and guided the 1943 Tap to high honors from the National Scholastic Press Association. For more about his book, visit the Web at www.okatiepress.com.

1960
Harvey T. White (PREMED) of Charlotte, N.C., was inducted into the Greenwood Athletic Hall of Fame. (CORRECTION: We reported this in the previous issue but indicated that it was “posthumous.” We regret making the error.)

1966
Phil A. Bechtold (CRE) of Davidson, N.C., is president of the Powder Coating Institute for 2006-2007. The institute has over 300 member companies and is the industry organization for powder coatings in North America.

1970
Ray Maris McNamara (BIOLSC) earned a Ph.D. from the Graduate Theological Union in Berkeley, Calif. She has two master’s degrees and has been a teacher, principal and department chair at numerous elementary and high schools.

1971
Glen S. Cannon (ECOEN) is general manager of Waverly Light & Power. He was awarded the Alex Rodin National Distinguished Service Award by the American Public Power Association at its national conference in Chicago.

1972
Neal S. Drucker (MATH) of Tacker, Ga., was promoted to assistant regional commissioner for Federal/State Cooperative Programs, part of the Atlanta Regional Office of the Bureau of Labor Statistics, U.S. Department of Labor.

1973
Robert C. Truesdale (ME) of Manchester, Tenn., was promoted by Jacobs/Overcup to director of propulsion testing at NASA White Sands Test Facility at Las Cruces, N.M.

1975
Glenn A. Cox (P-P ST) of Pawleys Island opened Pawleys Island Outdoors, a sport fishing and hunting gear store. He also owns Pawleys Island Beach Service and Pawleys Island Pharmacy, and is an IPTAY representative for Georgetown County.

Voice of experience

*Hoyal B. Kye ’60
Brig. Gen. Hoyal Kye, an engineering graduate, was the keynote speaker for the Memorial Day services at Central Park in King, N.C. His has given many speeches recognizing and honoring U.S. veterans. He graduated from the Air Force Aviation Cadet School, Squadron Officer’s School, Air Command and Staff College, Industrial College of the Armed Forces and Brigadier General’s School. He was the commander of a fighter squadron at Kelly Air Force Base in San Antonio, Texas, and is a command pilot with more than 7,000 flying hours in various types of fighter aircraft. Presently a member of the Cabarrus/Rowan Clemson Club and the Charlotte Clemson Club, Kye has been an active supporter of IPTAY for 46 years.

*Active Clemson Fund donor for 2007 Fiscal Year (July 1, 2006, through August 31). For more information, call Annual Giving at (864) 656-5896.

Tiger for all seasons
C.M. “Buddy” Lewis ’61
Agribusiness and economics graduate Buddy Lewis is one busy alumnus. As a professional Realtor, he’s consistently among the top 1 percent of producers nationwide.

In addition, Lewis has been a lieutenant colonel in the Army Reserve for 20 years, served as president of the local Realtors association, volunteered in United Way Palmetto Society, participated on the local Boy Scouts of America board of directors and has been a tireless worker in other outreach programs. He and his wife, Emily, are world travelers. A solicitor, he has three books in Clemson’s Cooper Library.

A Clemson Alumni Fellow, Lewis has been president of the Columbia Clemson Club and a member of the board of visitors. Several years ago, he established the Buddy Lewis Scholarship Endowment in the College of Agriculture, Forestry and Life Sciences. Currently, he’s helping lead the Class of 1961 Golden Anniversary goal for its celebration in 2011.

Clemson Cleveland
Thomas ’73, M ’75 and Dale Butterworth Cleveland ’75
Tom and Dale Cleveland are more than a great example of how opposites can attract; they are testaments to the Clemson spirit of entrepreneurship.

Tom, who holds degrees in zoology and biomedical engineering, has been hard at work developing products that aid emergency response. His innovative devices range from respiratory resuscitation tools to mass casualty appliances. To learn more, visit the company Web site at www.4u4vingsystems.com.

Dale, who graduated with a degree in secondary education (English), has been making innovations of her own. An artist, she recently finished a book that features vivid watercolor scenes of the University. Her compilation is personalized by her own reflections on Clemson life. For more on her book, go to www.dalecleveland.com.

The innovative Clemson spirit of Tom and Dale also carries on through their children. Their son, Drew ’10, a marketing graduate, is working for Clear Channel Outdoor. MaryWynne, their daughter, is a Clemson senior nursing student.

Clemson Family

The Clemson Family

Classmates

The Clemson Family

FALL 2006 © 33
The Clemson Family

Peanuts!

Jay W. Chapin PhD ’78

Entomology graduate Jay Chapin (picture right), state peanut and small grain specialist for Clemson University Extension Service, recently earned a top national award in his field.

He and co-author James Thomas (left), both of the Edisto Research and Education Center, received the American Peanut Research and Education Society’s Bailey Award for outstanding research. Their work was supported by an S.C. Peanut Board grant.

With the help of Clemson Extension, peanut acreage in South Carolina has increased from only 11,000 acres before 2001 to 60,000 in 2006. The annual cash value of the crop is about $35 million. Expanded peanut production has helped to diversify farm operations and provide an excellent rotational crop for cotton producers.

‘Italy with the Dean’

The first group to travel to ‘Italy with the Dean,’ toured at Clemson Charles E. Daniel Center for Building Research and Urban Studies in Genoa, Italy, included a great turnout of alumni, family and friends of the College of Architecture, Arts and Humanities (AHM).

Pictured on the balcony of Villa del Balbianello on Lake Como, are, from left, Brad Smith Jr. and Caroline Smith (holding flag). Stopping: Cindy and Doug Harrisberger (director of Clemson’s graduate program in historic preservation), Janie Yarlin, Gail Mitchell, AHM Dean Jan Schuch, Stephanie Banczawski (associate dean), Connie Sexton and Brad Smith ’82.


Plans are already in the works for next year’s spring trip to Italy and the Dalat Center.

Rocket scientists

Anne Cope ’95, M ’97 and Meg Dalton Nikovits ’99

Civil engineering graduates Meg Nikovits and Anne Cope are structural engineers for the RS&H (Reynolds Smith and Hill) Aerospace and Defense Program on Merritt Island, Fla.

Since 1960, RS&H has been involved in the definition, design, management, testing and checkout of aerospace launch support equipment and space launch facilities for NASA and the Air Force, as well as other Department of Defense agencies.

Nikovits came to RS&H from the bridge design industry in 2003 to work on a structural refurbishment project for the Shuttle launch facilities at Kennedy Space Center. Cope joined RS&H the same year while completing her Ph.D. at the University of Florida. They work with a third Clemson engineer, *Brice Lytle* - 48, who has been with RS&H since 1974 and has been involved in the space industry since its infancy in 1961.

Nikovits (left) and Cope are pictured during the rollout of the Space Shuttle Discovery from the Vehicle Assembly Building to the launch pad for the launch of STS 121.
Jonathan P. Hunt (BCH, M '01 ESE) of Florence is a civil environmental engineer and was promoted by his firm, Hayes, Seay, Mattern & Mattern Inc. in Roanoke, Va.

Ryan J. Smook (EE) of Bowman is president of McCall-Thomason Engineering Co. Inc.

1995
Amanda O. (MGT, M '03 BUSADM) and Jessica Byars (POSC) Groves are married and living in Spartanburg. She's a regional sales manager for List Industries Inc.

Sara Branch Keegan (POSC) of Kingwood, Texas, transferred to Savannah of Charleston and is with the law firm Jones Day. She's married and living in Columbia. She's a supervisory public health veterinarian employed by the U.S. Department of Agriculture.

1996
Elizabeth Holmes Carpenter (POSC, M '02 PURDAD) is married and living in Columbia. She's a U.S. probation officer.

Monica L. Eustace (DESIGN) of Charleston is a city planner for North Charleston. She received her MFA in historic preservation from Savannah College of Art and Design.

1997
Todd P. Demianych (ENGL) of Charleston is a transition specialist for the S.C. Department of Education and USC School of Medicine. He's a regional sales manager for List Industries Inc.

Suzann Hutto Weathers '02, Julie Coons '04, and (not pictured) Dana Brown (POSC) are married and living in Columbia.

They promised each other that they would take their motorcycles around the world before they “got serious jobs … or worse yet, got married.” Last winter, J. Hite, Andrew Norton and Rodger Willis prepared for the ride of a lifetime, spanning 20 countries in the space of a few months. For lodging they planned to camp or “couchsurf.” Their budget for food was equally frugal.

Wills, a chemical engineering graduate and former Clemson Rugby team member, quit his job as a mechanical engineer in Asheville to join the trip. Norton, an architecture graduate, finished his internship with a firm in Charleston. Hite, a mechanical engineering graduate, wrapped up his two years at Clemson researching cardiovascular disease.

They’ve chronicled their adventure through journal entries and videos, highlighting an incredible journey, which includes surviving a scary encounter with the Russian Border patrol, meeting friendly Romanians, losing Hite for a day and watching the summit come up ever Moncans. See more of their journey at www.dualsportdiary.com.

Elizabeth Anne Parker (ANSC) of Charleston received a doctorate of veterinary medicine from the University of Georgia College of Veterinary Medicine.

Annie R. Smith (HST) of Atlanta, Ga., earned a master’s degree in public administration with a concentration in management from Georgia State University. She’s in mass-market constituent relationship management at the national home office of the American Cancer Society in Atlanta.

Catherine Davis Stokes (BC, M '01 MGT) of Blacksburg, Va., was promoted and living in Lexington, Virginia.

W. Ashley Hudson IV (MGT) of Greenville graduated from the Medical University of South Carolina with a master’s degree in nursing administration. She’s a certified registered nurse anesthetist with the Trident Anesthesiology Group.

Dana Doyle (MGT) of Barnett is married and living in Myrtle Beach. She’s an English teacher at Summerville High School.

Ben T. Moore (EDE) is married and living in Myrtle Beach.

Tanner W. Pittman (L&IT) of Greenville graduated from the University of Georgia College of Veterinary Medicine.

FALL 2006 36 @ CLEMSON WORLD
Clemson mom extraordinaire

Anne Pickens Collins

Clemson mom extraordinaire Anne Pickens Collins has received the 2006 Order of the Silver Crescent, the state’s highest honor given for an individual’s volunteer and community service. She established herself as a journalist and went on to become a historian, staunch supporter of education and the arts, and tireless volunteer.

She has worked for the local Salvation Army, city recreation, little theater, arts council, literacy council, health agency and other community enrichment efforts.

She’s received many honors over the years including Outstanding Library Trustee of South Carolina, several Service to Mankind awards and Family of the Year designation. She received her latest award in the Anne Pickens Collins room at the Chester County Library.

At Clemson, she’s a former Tiger Brotherhood Mother of the Year and inspiration for the Joel W. Collins Sr. and the Anne Pickens Collins scholarships established by their son Joel.

But her greatest contribution to the University just might be the legacy of Collins alumni she and her husband, Joel ‘31, established at Clemson. Not only her sons, Andrew ’57, Joel Jr. ’65 (Clemson Distinguished Service Award recipient) and Richard, but their children and, no doubt, their children’s children.

The Clemson Experience

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The Conference Center & Inn    The Walker Golf Course

FALL 2006 - FALL 2006

Alumni Web site:

alumni.clemson.edu/update

Get ready for the premiere of the new Clemson Alumni Web site: “My CU Connections.”

We love to get your photos

We use them in the magazine or on the Alumni Web site photo album when possible. With electronic photos, we need to be able to reproduce images at a resolution of at least 300 dpi. With regular photos, sharply focused, glossy prints work best. Although we try to return prints when specifically asked, we can’t guarantee return so be sure to hang on to the negative or have extra prints made.

Your class counts

The number of alumni who make a gift every year is a key factor in Clemson’s becoming a top public university. To see how your class is doing, visit the Web at alumni.clemson.edu/projects/update.htm for the latest numbers.

The Clemson Family

Halliburton’s government and infrastructure team on analyzing and forecasting current business opportunities.

2005

Charles M. IV (HIST) and Ashleigh Readling (’06 GRCOMM) have married and living in Greensboro, N.C. He is part of the charter class at Elon University School of Law.

J. Clint Menefee (M ARCH) is an architectural intern at F&S Partners Inc., a Dallas-based firm.

2006

*Ali C. Bedard (PRTM) of Mount Pleasant is a tour and travel sales manager for the Charleston Area Convention and Visitors Bureau.

Madorie E. Reynolds (SPCH&CS) of Easley is a financial services professional with Massachusetts Mutual Life Insurance Co.

Charles M. IV (HIST) is married and living in Woodbridge, Va. (FORMGT) is married and at Ohio Northern University.

Northern’s Pettit College of Law.

Kevin M. Drew (HIST) of Cumberland, Md., received a Ph.D. student in the history of medicine. Vanderbilt University School of Medicine.

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J. Brent Thomas ’95, a son, Aidan James, May 6, 2006. J. Brent Thomas ’95, a son, Madison Moore, Nov. 8, 2006.

Jeffrey A. Gibson ’85, a son, Jeffrey Andrew, Oct. 11, 2005.


Kelly Vucish Giddings ’88, a daughter, William Marie, April 21, 2006.


J. Brent Thomas ’95, a son, Madison Moore, Nov. 8, 2006.

Kelly Vucish Giddings ’88, a daughter, William Marie, April 21, 2006.

Dana Gosnell J. Boyden and Scott S. Turner, twins, Tracy and Andrea Compton, a daughter, Darci Olivia, Jan. 8, 2006.
Mr. Strait goes to Washington
Three-year-old Daniel Strait, son of political science alumnus Robert H. Strait Jr. ‘92, proudly wears his Clemson colors in front of the Capitol in Washington, D.C.

Gift for giving
Management graduate Jeremy Petty ‘93 looks forward to his church’s volunteer trip to Honduras every year, but this year he made a special new friend. Petty traveled with the First Baptist Church of Raleigh, N.C., to the Tierra Blanca, where he met Anderson, pictured here with his first Clemson Tiger shirt.

Trailblazer
Accounting graduate Henry R. Huthmacher Jr. ‘95 spent five days backpacking throughout Yellowstone National Park in June. He’s shown here in the geothermic area with the Yellowstone River running in the valley behind him.

Top of the island
Biochemistry graduate Beth Burst ‘97 Nellenbo is pictured at Martha Cay, British Virgin Islands. She and her husband, Allen ‘97, traveled to the island in June to celebrate Beth’s completion of the USMLE step 1 exam toward her doctor of medicine degree.

Underwater
After their May nuptials at Wolf Mountain Vineyards in Dahlonega, Ga., Ryan Patrick ‘92, M ’96 and Sarah Elizabeth Sundberg PhD ’06 Jones honeymooned in St. Lucia. Pictured from left in an original display of Tiger pride are the groom, his parents — Anna Bailey ‘73 and G. Tripp ‘71 Jones, and the bride. Greetings from Baghdad
Biochemistry graduate Rob Schuette ‘03, serving in Iraq, is pictured here with a Tiger Paw flag of well wishes. He reports that while South Carolina was in a heat wave last summer, he was working in temperatures over 120 degrees.

Tiger teachers
This lucky fourth-grade class at Manassas Park Elementary School in Virginia is assured a great education because they have two Clemson teachers — Cristin Vignola ‘03 (top right) and Amanda Charest ‘03 (top left).

R&R at Pisa
2004 graduates Daniel Wackerhagen Jr. and his wife, Erin Bazzell, recently met in Italy during Daniel’s two-week leave. The biology graduate is a lieutenant with the 2-227th Infantry Battalion of the 101st Airborne Division serving in Kirkuk, Iraq. Erin, an education graduate, teaches high school English in Clarksville, Tenn.

Clemson World TRAVELERS

The Clemson Family

The Clemson Family

Passings

Douglas Smith Sheurr ‘84, Washington, D.C.
Sonja Michelle Lemon Beacham ‘88, Aiken
Lisa Locke Neal ‘89, Anderson
Samuel Leonard Cobb ‘94, Greenville
Linwood Ashwell Robinson III ‘98, Summerton
Carrie Ellen Williams ‘00, Charlotte, N.C.
Christina Machen Alevine ‘01, Anderson
Clyde M. “Ray” Rauch Sr., honorary alumnus, Lexington, Memorials may be made to the “Chip Rauch Endowed Memorial Scholarship” fund payable to the Clemson University Foundation at PO Box 1889, Clemson, SC 29633-1889.

FACULTY AND STAFF
Claire Russell Aucott, retired mathematics professor, Seneca.

Ruby Mac Craven, longtime Clemson Extension agent, Darlington

Drewry N. Simpson ‘41, Jacksonville, Fla.
Drewry N. Simpson ‘41, Jacksonvile, Fla.
Drewry N. Simpson ‘41, Jacksonville, Fla.
Drewry N. Simpson ‘41, Jacksonville, Fla.
Drewry N. Simpson ‘41, Jacksonville, Fla.
Drewry N. Simpson ‘41, Jacksonville, Fla.

Extension specialist, Central Extension resources department professor and coach, Forest City, N.C.
Climbing TLC’s ‘Property Ladder’

Third generation alumnus and marketing graduate John Skandamis ’93 of Orlando, Fla., made the plasma screen recently on TLC. He and a friend are featured in TLC’s “Property Ladder,” a series in which do-it-yourselfers purchase a property, renovate it and then sell it for a profit. In the episode “Feuding Friends and the Demo Debacle,” which began airing in August, Skandamis often wears a Clemson T-shirt and other Tiger fare. As a result, he says he’s heard from Tigers all around the country. When he’s not appearing on TV, Skandamis is branch manager for Majestic Mortgage Corp. He also attends Clemson football viewing parties in Orlando. He’s pictured here with daughter Hannah, hostess Kirsten Kemp and wife Michelle on the set of show.

Quantum dots in Journal of ACS

Clemson’s “quantum dots” made the pages of the prestigious Journal of the American Chemistry Society, the most-cited chemical and related sciences journal, earlier this year. The June 2006 issue reports the findings of Clemson researchers, led by professor Ya-Ping Sun, in developing a new type of quantum dot that may improve biological sensors, medical imaging devices and LEDs. The dots are made from carbon, which is less toxic and more environmentally safe than the usual metal-based dots. They may also help in detection of chemicals often associated with biological warfare. Sun holds the Frank Henry Leslie Endowed Chair of Natural and Physical Sciences.

Disney’s best

Science and physics teacher Pat Welsh ’75, M’82 received the 2006 national award as Disney High School Teacher of the Year in August. Welsh teaches at Daniel High School in Central. Earlier this year he was named Aerospace Education Foundation’s National Teacher of the Year. At Clemson, Welsh earned degrees in zoology and bioengineering. He went on to Georgia for a veterinary medicine degree and ultimately found his calling in the classroom.

Special education graduate Kathryn Pilcher ’04 along with two co-teachers at Dutchtown Middle School in Geismar, La., received the 2006 Teacher of the Year Award, the first teaching team ever to do so. They were also named Middle School Teacher of the Year and received the Youth Service America Award. She’s pictured (above, left) with team teachers Amanda Mayeaux and Monique Wild.

Welsh and Pilcher accepted their awards during the Disney Teacher Awards Gala in Anaheim, Calif, hosted by stars of the Disney Channel’s High School Musical and broadcast live on the Internet.

Gator wrestlin’ on CBS News

In a cosmic twist of fate, Brent Carey ’06 may have put his wildlife management degree to work to save a life. Carey and a friend were featured in TLC’s “Property Ladder,” a series in which do-it-yourselfers purchase a property, renovate it and then sell it for a profit. In the episode “Feuding Friends and the Demo Debacle,” which began airing in August, Skandamis often wears a Clemson T-shirt and other Tiger fare. As a result, he says he’s heard from Tigers all around the country. When he’s not appearing on TV, Skandamis is branch manager for Majestic Mortgage Corp. He also attends Clemson football viewing parties in Orlando. He’s pictured here with daughter Hannah, hostess Kirsten Kemp and wife Michelle on the set of show.
Christopher J. Duckenfield Scholar. The scholarship program, in memory of Oxford Tiger director of Calhoun Honors College, at (864) 656-4762 or.

my academic comfort zone and experience another culture,” says Tynan.

Commitment

Oxford Tiger
Undergraduate Sean Michael Tynan, a genetics major, is Clemson’s 2006 Christopher J. Duckenfield Scholar. The scholarship program, in memory of longtime Clemson administrator Chris Duckenfield, identifies a member of the University’s Calhoun Honors College who demonstrates extraordinary talent, motivation, commitment and ability.

Tynan is pictured, front row, center, with his family and the Duckenfield family. Earlier this year, he spent six weeks in England studying medieval history at St. Peter’s College, Oxford.

“Studying at Oxford provided me with a rare opportunity to reach outside of my academic comfort zone and experience another culture,” says Tynan.

For more information on the scholarship, contact Stephen Wainscott, director of Calhoun Honors College, at (864) 656-4762 or shawnw@clemson.edu.

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Seasoning
Entrepreneur
Joe Crosby, creator of Coach’s Low Country boil Seasoning and owner of T-60 Grill in Fair Play, is donating to Clemson part of the profits from sales of his popular seasoning.

Special containers of the seasoning, marked (and licensed) with the Clemson Tiger Paw, can be found in Wal-Mart, BiLo, White Jones Hardware and Sporting Goods, Piggly Wiggly and IGA stores and online at www.coachsloucountryboil.com.

Two dollars from each jar sold will go to Clemson — $1 for athletics and $1 for academics. Of the money for academics, 75 percent will be unrestricted and 25 percent will go to Call Me MISTER, a program to put more African American male teachers in S.C. elementary classrooms.

Duke Energy for diversity

Duke Energy Foundation has awarded a $50,000 gift to Clemson’s College of Engineering and Science for three programs that promote diversity on campus.

Part of the award supports programming for Clemson’s student chapter of the National Society of Black Engineers. Another part goes to the PEEER (Programs for Educational Enrichment and Retention) Math Excellence Workshop, a summer session of pre-calculus and calculus.

The award also supports Project WISE (Women in Science and Engineering), pictured, which offers a summer camp for rising eighth-grade girls who learn engineering and science firsthand.

New Tax Law Brings New Opportunities with Your IRA Accounts

For the last decade, the charitable community has been actively lobbying Congress for a change in the tax law.

One exciting but time-limited opportunity arising from these efforts is Individual Retirement Account (IRA) Charitable Rollover legislation that passed the House and Senate in August. President Bush signed the Pension Protection Act of 2006 (PPA 2006), which includes special new incentives for those age 70 and a half and older who would like to make charitable gifts directly from their individual retirement accounts.

No income tax deductions are available for IRA gifts; however, IRA donors can still save taxes. In fact, making charitable contributions through an IRA in 2006 and 2007 can enable donors to increase the size of their usual contributions.

The charitable IRA rollover provision of the PPA provides a significant but limited opportunity to tap this important asset source for charitable gifts in 2006 and 2007. Direct transfers from IRAs to qualified charitable organizations will count toward the minimum distributions requirements that apply to account owners over age 70 and a half. That means donors will not owe tax on any portion of their “required minimum distribution” that is directed to worthwhile causes. In effect, the tax collector’s share would go to the donor’s favorite charity.

To qualify:

• Donor must be age 70 and a half or older;

• Transfers must go directly from a traditional IRA or Roth IRA to the qualified charities;

• Gifts cannot exceed $100,000 per taxpayer per year;

• No charitable deductions are allowed; however, gift amounts will not be included in donor’s income.

W HICH RETIREMENT PLANS ARE ELIGIBLE? — Traditional IRAs and Roth IRAs only. Other forms of retirement plans such as 401(k) and 403(b), defined benefit and contribution plans, profit sharing plans, Keoghs and employer-sponsored SEPs and SIMPLE plans are not eligible. However, you may be able to roll an amount from one of the other retirement accounts into a traditional IRA and then use your IRA Rollover to make a gift.

W HAT ARE THE EFFECTIVE DATES? — 2006 and 2007. Distributions must be delivered to the charity no later than December 31st of the year for the exclusion.

W H O CAN EXCLUDE THE IRA DISTRIBUTION? — Individuals who have reached age 70 and a half by the date of contribution. It is important to distinguish this rule from the rule that requires plan participants to begin receiving minimum required distributions in the same year they reach age 70 and a half and no later than April 1st of the year following the year in which they attain age 70 and a half.

I S THERE A LIMITATION ON THE AMOUNT? — $100,000 per taxpayer per year. Therefore, a married couple could donate up to $200,000 provided each spouse owns at least one IRA and each can make a qualified charitable distribution of $100,000 from their plans.

C AN QUALIFIED CHARITABLE DISTRIBUTIONS BE APPLIED IN SATISFACTION OF A PLAN OWNER’S MINIMUM REQUIRED DISTRIBUTION REQUIREMENTS FOR THE YEAR? — Yes. If, for example, participants are required to withdraw 6 percent from their IRA for the year, they can direct the entire amount to charity in satisfaction of their minimum required distribution.

Gifts to qualified charities may be subject to tax under federal law and the laws of many states. Some taxpayers may encounter limits on the amount of charitable gifts they can donate and see other benefits phased out as their income increases. Retired persons may also find that increases in income can cause more of their Social Security benefits to be taxed. In other cases, they may not be in a position to benefit fully from their charitable deductions.

Individuals who are required to take required IRA withdrawals and others who have experienced limitations on tax benefits in the past will find the new law of particular interest. It is important to note that assets in IRAs are not only subject to income tax when withdrawn during one’s lifetime or by survivors, but they may also be subject to estate tax if left to loved ones other than a spouse. Please be advised that if you have an interest in supporting Clemson through your estate plan, it may benefit you and your family to give a portion of your IRA assets to Clemson at death because these assets have the potential to be the most heavily taxed.

A CT NOW FOR GREATEST BENEFITS! — The PPA 2006 provides a wealth of new planning opportunities. To maximize the full benefit of this two-year gift planning opportunity, you must complete each year’s transfer prior to December 31st. Check with your legal or tax adviser about the best way to take advantage of these new giving opportunities.

For more information or discussion about gift planning, please call Jo Vanua J. King, senior director of gift and estate planning, at (864) 656-0663 or 1-800-699-9153. Or email your questions to jovanua@clemson.edu.
The Clemson Legacy Society honors alumni and friends who make provisions in their wills to support the University. To continue Thomas Green Clemson’s legacy, please contact JoVanna King at (800) 699-9153, (864) 656-0663 or jovanna@clemson.edu.