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Myths and facts about Clemson's rising reputation

As a Clemson City-University banquet a year ago, I described the “state of Clemson University” as one of transformation — from a good, regionally respected institution to a top-tier, nationally recognized research university. Today, I believe that transformation is occurring more rapidly than ever.

Consider changes in just one year:
- The average freshman SAT score rose by 21 points to 1225;
- The percent of Palmetto Fellows enrolled at Clemson increased by 24 percent;
- The African American freshman enrollment increased by 34 percent;
- Graduation rates hit an all-time high of 75 percent;
- We launched three new economic development initiatives — in Greenville, Greenwood and Charleston — and we recruited a new major partner to CU-ICAR;
- We were named the No. 1 place to work in academia by The Scientist magazine;
- We were ranked No. 24 among the nation's best values in higher education by Kiplinger magazine;
- We were one of only 81 institutions to be included in a new guidebook of Colleges with a Cause;
- We introduced both the Palmetto Pact and the Bridge to Clemson programs to ensure that Clemson remains affordable and accessible as it improves in quality;
- And, thanks to the city in which we live, we were included in a new book by Forbes magazine publisher Rich Klasfeldt as one of the best places to live in America.

All that and much, much more took place within 12 short months. Clemson University is on a roll. If momentum were a physical force, we would all be having difficulty just hanging on.

But as Clemson's star rises, some old misperceptions are resurfacing. Here are some of the most popular myths and actual facts about what's driving Clemson's rapid rise in academic quality.

Myth No. 1: The quality of the student body is increasing because we're taking in more out-of-state students at the expense of South Carolinians.

Fact: The enrollment mix of 65 percent in-state and 35 percent out-of-state has not changed in almost two decades. Today, Clemson accepts more S.C. students than ever. In 1993, just over 50 percent of S.C. applicants were accepted for admission; today, it's nearly 70 percent. The quality of in-state applicants has increased significantly. The average SAT score of S.C. students has risen 16 points since 2002, narrowing the gap between the in-state and out-of-state student profile. Overall, the increase in quality at Clemson is being driven by in-state students.

Myth No. 2: Rising academic standards are preventing many S.C. students from making the admissions cut.

Fact: The demand for a Clemson education has increased significantly. Since 1997, total applications have increased by 48 percent. In 2005, there were nearly 13,000 applications for 2,800 freshman slots. As the size and quality of the applicant pool have increased, admission has become more competitive. However, new programs such as the Bridge to Clemson are intended to ensure that Clemson remains accessible to talented students who might not make the initial cut.

Myth No. 3: Clemson is putting too much emphasis on research instead of undergraduate education.

Fact: Clemson is a research university. Experimentation, discovery and scholarship are important parts of our mission; however, Clemson is determined to take each of our undergraduate students with us as we expand our research expertise. This is why we have built a commitment to undergraduate research into each student's curriculum. In the past five years, we have devoted substantial resources to increase the quality of the undergraduate experience through programs such as the Academic Success Center, Living and Learning Communities, more study-abroad opportunities and a new undergraduate research initiative called Creative Inquiry. We also have revamped the undergraduate curriculum to focus more on core competencies such as communication, critical thinking and ethical judgment.

Myth No. 4: Clemson's quest to be one of the nation's top 20 public universities is responsible for the large tuition increases over the past few years.

Fact: It's true that Clemson's unswerving commitment to academic quality has a price tag. The programs mentioned above require resources, as do the libraries, computing facilities and laboratories. However, less than a third of the revenues generated by tuition increases since 2000 have been invested in quality. The majority of new funds from tuition increases have gone to offset inflation and mandatory cost increases (30 percent) and state budget cuts (38 percent). It should also be noted that Clemson has cut or reallocated almost $15.6 million during that same time period to avoid additional fee increases.

Myth No. 5: The top-20 ranking is mostly about research and building academic reputation, not students.

Fact: Clemson's vision to be one of the nation's top public universities is not really about a magazine ranking: It's about improving the quality of education, helping students succeed, and improving the economy and quality of life in South Carolina and the nation. Top-tier research universities have higher retention and graduation rates, smaller classes and lower student-to-faculty ratios, and more full-time, tenured faculty in the classroom. Their graduates are more likely to get into top medical, law and graduate schools, and they report higher starting salaries than their counterparts at lower-ranked institutions.

States with top-tier universities have a higher standard of living, greater per capita income, a more educated population and lower crime rates. We believe South Carolina deserves to have that kind of university.

Clemson students, parents, alumni and friends can be assured that while much is changing at Clemson, its central value — a strong commitment to the core mission of teaching, research and public service, to maintaining a sense of community while increasing diversity and to contributing to the public good — remain constant.

James F. Barker, FAIA
President

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Clemson's food science and human nutrition program is introducing high school students across the nation to careers in food science and technology — a potential audience of 9 million students.

Discovery Education’s food-based science program kits, which are distributed as multimedia kits to the nation’s 18,000 public high schools, include a special acknowledgment of Clemson’s contributions along with a multimedia DVD that shows Clemson students at work on research projects. Clemson is featured on the front page of Discovery Education’s food-based science Web site at school.discovery.com/foodscience/college_resources.html.

For more on Clemson’s food science and human nutrition program, visit the Web at www.clemson.edu/foodscience.

BMW Endowed Chair

Clemson presented its first endowed chair medallion to mechanical engineering professor Thomas R. Kurfess, the BMW endowed chair in manufacturing integration, in February. Kurfess joined the Clemson faculty in 2005 to lead the automotive engineering program — the academic focus of Clemson University’s International Center for Automotive Research (CU-ICAR) — and to serve as director of the Carroll A. Campbell Jr. Graduate Engineering Center on the CU-ICAR campus.

Pictured from left are Vice President for Academic Affairs and Provost Dori Helms, BMW Manufacturing Co. President Clemens Schmitz-Justin, BMW Endowed Chair Kurfess and Clemson President James F. Barker.

Hydrogen fuel

Clemson researchers have won a Department of Energy (DOE) grant worth $1.5 million over five years to develop polymer membranes, the central component of hydrogen fuel cells for cars.

Clemson electrochemist Steve Creager and fluorine chemist Darryl DeMarteau will lead the research. The recognition by DOE is built upon 23 years of Clemson experience in the area of fluorinated electrolytes, which are the central material in hydrogen fuel cells for vehicles. The contract will be managed at Clemson, with a portion allocated to the University of Utah for computer modeling.

U.S. Senator Lindsay Graham, co-chair of the Senate hydrogen and fuel cell caucus, says, “Clemson and other research institutes across South Carolina will play a prominent role in helping push hydrogen research forward.”

Navy lights up

The S.C. Research Authority (SCRA) has received a $170 million contract to develop lighter-weight technology for Navy ships, tanks and airplanes through a research center housed at Clemson.

The Applied Research and Development Institute (ARDI), located at the Clemson Research Park, has been operating the Navy-funded Composites Manufacturing Technology Center at Clemson for five years. The center has developed technology for Navy destroyers that increases the vessels’ survivability and decreases cost.

The new five-year contract will go toward research to make equipment lighter.

“Every weapon system we own today is overweight,” says Henry Watson, ARDI director and SCRA vice president. “This contract will allow ARDI to address these issues while improving performance.”

Top leader

The Council for Advancement and Support of Education (CASE) honored Clemson President Jim Barker with the 2006 Chief Executive Leadership Award for the Southeastern district.

President Barker was recognized for his ability to create a vision and increase Clemson’s stature in the higher education community, as well as his skill in encouraging innovation and risk-taking.

Since Barker became president in 1999, Clemson has risen from the third tier to the top tier among public research universities nationwide. External research support has more than doubled, freshman SAT scores and student retention and graduation rates have climbed, and the University is ranked fifth in the nation in overall graduation success rate for student athletes.

Barker is also chair of the Commission on Colleges of the Southern Association of Colleges and Schools.

Keynote speaker for Clemson’s Martin Luther King Jr. commemorative service, the Rev. Joseph Lowery, is pictured center with Melissa Shivers, director of Clemson’s multicultural programs and services, and David Perry, former interim chief of police for the University.

Lowery has been involved in the civil rights movement since the early 1950s when he headed the Alabama Civic Affairs Association. He’s also co-founder and president emeritus of the Southern Christian Leadership Conference and co-founder and president of the Black Leadership Forum.
The student chapter was named the 2004 Outstanding Excellence in Teaching from the College of Architecture, Arts and Humanities. And under his leadership as faculty adviser, Clemson's AGC Construction's Outstanding Educator of the Year. Scotland, and been named Associated Schools in from Heriot-Watt University in Edinburgh, Teacher by Clemson students, earned a Ph.D. earned his master's degree at Clemson and began companies for more than two decades. In 1995, he management professor Dennis Bausman oversaw large construction projects and managed construction companies for more than two decades. In 1995, he has been named 2006 Educator of the Year by the Associated General Contractors (AGC) of America Education and Research Foundation. Before joining Clemson, Bausman oversaw large construction projects and managed construction companies for more than two decades. In 1995, he earned his master's degree at Clemson and began teaching. Since then, he's been chosen Alumni Master Teacher by Clemson students, earned a Ph.D. from Heriot-Watt University in Edinburgh, Scotland, and been named Associated Schools in Construction's Outstanding Educator of the Year. He's also received the Dean's Award for Excellence in Teaching from the College of Architecture, Arts and Humanities. And under his leadership as faculty adviser, Clemson's AGC student chapter was named the 2004 Outstanding Student Chapter. He's also co-editor for The American Professional Constructor and on the National Board of Directors for the American Institute of Constructors.

Space study aids cancer patients

What helps astronauts will help millions of people on this planet. Clemson researchers in the Osteoporosis Biomechanics Lab, led by bioengineer Ted Bateman, are studying the effects of spaceflight and therapeutically radiation on the skeletal system. While radiation therapy can improve chances for survival, it also places cancer patients at greater risk for bone loss and fractures.

Bateman has examined the microgravity component of bone loss in space shuttle experiments. The rate is about five times the rate women lose bone mass following menopause. Additional bone loss in space is caused by exposure to radiation from solar flares and heavy iron particles from stars. In current studies at the Kennedy Space Center in Florida, Bateman and his team mimic solar flares and clinical radiation exposure, then measure bone loss. Their goal is to understand this loss and develop therapies to improve health in space as well as on the ground. The National Space Biomedical Research Institute is funding the current radiation study. For more information, go online to www.batemanlab.com. 

Clemson students placed third in the country in the 12th annual National Intercollegiate Ethics Bowl, debating such issues as expansion of eminent domain, mandatory immunization in public schools and the marketing of junk foods to children. They competed with teams from 40 universities including Indiana University, the University of Florida, Seton Hall and the three service academies.

The team was sponsored by the Robert J. Rutland Center for Ethics and the philosophy and religion department. The Rutland Center offers programs and sponsors activities aimed at engaging students, faculty and the community with ethical issues. For more information, visit the Web at www.clemson.edu/caah/rutland.

Online HRD graduates

The first online class in the Human Resource Development (HRD) program graduated last fall. This program included 13 students from 12 states earning a master's degree in HRD. For the past two years, these students have taken all course requirements online. Doing so allowed them to maintain full-time employment with the Boys and Girls Club of America. The second class of 13 students will graduate in May.

The online program has served as a model for other distance education efforts in the Eugene T. Moore School of Education. For more information about the program, go to www.kehld.clemson.edu/online.

Stars of life

Where do elements, such as iron in our blood or calcium in our bones, come from? Astronomers say they come from thermo-nuclear reactions in hundreds of millions of stars that burn at high temperatures in our galaxy. “Life depends on stars’ creating elements we so desperately need,” says Clemson astrophysicist Dieter Hartmann.

In studies recently published in Nature (January), Hartmann and his collaborators outline that supernova explosions send out an element known as Aluminium-26 (26Al). As the aluminium rapidly decays in space, it produces energy in the form of gamma ray photons, which are a few thousand times as energetic as a medical X-ray here on Earth. With this information, scientists can better estimate how often supernova explode, how many stars form per year and how much 26Al is in the interstellar space. The findings show that the enrichment process is continuing to seed the galaxy with needed elements.

The discovery is part of a multidecade German, French and American collaboration that studied meteories and measurements from European and U.S. satellite experiments. NASA funded the U.S. portion of the study. For more about Clemson's astronomy and astrophysics program, visit the Web at www.astro.clemson.edu.
TWO CLEMSON STUDENTS’ LANDSCAPE ARCHITECTURE PROJECT has earned a national award from the Council of Landscape Architectural Registration Boards (CLARB).

Shawn Balon and Gage Couch created “Tracks Through Time: Buzzards Bay Main Street Meets the Cape Cod Canal.” The project proposed to reinvigorate the downtown of Buzzards Bay, Mass., reconnect residential areas to the main street and canal, and connect residents with the town’s past through a newly designed park and a mixed-use retail area.

CLARB’s annual design contest, which awards winners with $1,000, showcases outstanding examples of how landscape architecture and licensing affect quality of life. Balon and Couch have since received their bachelor’s degrees in landscape architecture and are working at EDSA in Fort Lauderdale, Fla.

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Tiger vault

Sophomore Mitch Greeley of Rock Hill, a parks, recreation and tourism management major, made Clemson history in March. He became the first Clemson men’s track and field athlete ever to earn All-America honors in the pole vault.

Greeley cleared 17’ 6.5” in the NCAA Indoor Championships to earn his first All-America honor as a Tiger. Earlier this year, he also claimed his first ACC Championship in the event.

Student Affairs changing leaders

Almeda Jacks

Almeda Rogers Jacks ’74, M ’75 led Student Affairs for 14 years and served Clemson for 31. She began her career in University Housing. From there she advanced to dean of students, and, in 1992, she became vice president for Student Affairs, making her Clemson’s first female vice president.

Under her administration, Jacks oversaw the construction or renovation of the Hendrix Student Center, Fike Recreation Center and several housing facilities, including the recently renovated Greek Community on the Quad.

Her leadership led to the development and enhancement of many student programs and services, including First Year Experience, the Garrett Intercultural Center, the Michelin Career Center and Clemson Area Transit, in partnership with the city of

Clemson. She retired in April.

Gail DiSabatino

Clemson’s new vice president for Student Affairs, Gail DiSabatino is the former dean of students and student affairs assistant vice president at Georgia Tech.

DiSabatino has more than 25 years of student affairs experience including positions at Marshall University, the University of Nebraska-Lincoln, Emerson College and California State Polytechnic University.

At Clemson, she’s responsible for the administration of Student Development Services, housing, campus recreation, the University Union, student activities, student health services, career services, parking and vehicle registration, public safety, the University magistrate, multicultural affairs and student affairs information technology.

Buzzards Bay meets Cape Cod

Two Clemson students’ landscape architecture project has earned national award from Council of Landscape Architectural Registration Boards (CLARB).

Shawn Balon and Gage Couch created “Tracks Through Time: Buzzards Bay Main Street Meets the Cape Cod Canal.” The project proposed to reinvigorate the downtown of Buzzards Bay, Mass., reconnect residential areas to the main street and canal, and connect residents with the town’s past through a newly designed park and a mixed-use retail area.

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- Outdoor swimming pool
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Runways are generally constructed to last 30 years, but some are deteriorating in half that time. The problem is a troubling one because of the potential for an aircraft’s powerful exhaust jets to uproot chunks of concrete during takeoff or landing. Adding to that risk, the average runway is 150 feet wide, two miles long and up to 20 inches deep. It can cost more than $45 million to replace just one runway.

One theory to the splitting and pitting of concrete pavements points to chemicals used in the removal of snow and ice. Potassium acetate de-icers and anti-icers were introduced in the early 1990s following glycols and urea, which were environmentally hazardous.

While the new breeds of de-icers are better for the environment, they may cause a reaction between elements in the cement and rock or aggregates, key ingredients in concrete. The alkali-silica reaction (ASR) occurs when alkalis in cement and silicas in rock react to form a gel that has the potential to swell upon absorbing water. The swelling can lead to expansion within concrete, and cracking results.

Clemson researcher Rangaraju says that because of the ecological nature and efficiency of the current de-icers, replacing them is impractical. But he adds that the reaction is a basic chemistry issue that can be solved without doing away with the de-icers.

“If a runway is going to be built or even patched or repaired, the aggregates or rocks in the concrete mixture need to be tested first to see how they react in the presence of these de-icer and anti-icer solutions,” says Rangaraju, adding that certain aggregates hold up fine.

While de-icing and anti-icing chemicals keep those big birds flying in the winter, they may be corroding the concrete tarmacs where the planes land. Airports at Colorado Springs and Denver International appear to be affected by extensive use of these de-icing chemicals.

“Depending on our findings, we can adjust the concrete mixture by using certain supplementary cementing materials and/or chemical admixtures to change the reaction and prevent the distress from occurring.”

Because of the widespread problem in the United States, the FAA has stepped up its support of Rangaraju’s research. The researcher’s study ends in May. The FAA has already given him approval to release his test method early in an attempt to curtail the splitting. The Innovative Pavement Research Foundation, which manages research projects for the FAA, funded the two-year study with a $215,000 grant.

In his travels, Rangaraju observed airports in Atlanta, Ga.; Greenville, S.C.; Denver and Colorado Springs, Colo.; and Cheyenne, Wyo. Fortunately, Colorado Springs is taking the problem seriously, replacing a badly cracked 13,500-foot runway that opened in 1992. The new runway will be built using the Clemson test method for concrete chemistry.

Airports often use aggregates that are locally available because hauling compatible concrete materials 2,000-3,000 miles is impractical. Rangaraju stresses that only certain aggregates or rocks are susceptible to the swelling and cracking. Under his test method, Rangaraju suggests that all airports subject their concrete materials to testing before building to see if the material is compatible with de-icers. The test protocol gives an indication whether or not the rocks are indeed susceptible to swelling and cracking. If the materials do prove susceptible, certain lithium admixtures or supplementary cementing materials can be used to mitigate the effects of the de-icers.

“This is a problem of international proportion,” says Rangaraju. “However, it’s a fairly new problem for other countries because the world market has just recently moved toward these environmentally friendly de-icers. So it takes a certain amount of time for the negative reactions to show up on the radar screen. Perhaps administrators are waiting to see what will happen with their concrete pavements.

“I know I look forward to the day when I look out my airplane window at every airport in this country and beyond to see nothing but smooth sailing ahead.”

by Susan Połowczuk
Although Jim Miller is a geography professor at Clemson, his office in Hardin Hall has been empty since the summer of 2003. For the last three years, his other office has been tucked behind the blue-studded door to an old villa at the end of an alley. Beyond this alley are the gardens, souks, beaches and museums of Tunis, the capital of Tunisia.

Tunisia is an Arab-African country that sits between Algeria and Libya and borders the Mediterranean Sea. It’s where the outline of Africa dips sharply south, and at its closest, it’s 90 miles from Italy. It’s also the possible future home to a Clemson study abroad program.

Miller is currently the program director of CEMAT, the American Research Center in Tunisia, which facilitates scholarly research in a country with an ancient and rich history.

This peaceful nation has assumed many names through the years — from Carthage to the Roman province of Ifiqiya, from various Islamic dynasties to the Ottoman Empire of the Turks, and finally from French colony to the modern-day Republic of Tunisia.

Both a colorful and friendly country, Tunisia is an ideal location for academia to establish positive relations with the Arab world.

CEMAT aids and supports American researchers who come to Tunis with a scientific desire to understand the Maghreb — or the western Arab world composed of the countries of northwest Africa — and who become cultural mediators because of the knowledge and understanding they take home.

Now in his third and final year as center director, Miller knows that understanding the Arab world is essential to ameliorating the tensions that exist between cultures.

Last summer, he furthered CEMAT’s academic mission by launching a program called “Tunisia Past & Present.”

The program offered college students three weeks of Arabic language courses and daily lectures on topics concerning Tunisia, Islam and the broader Arab world. Fifteen students from 10 universities across the United States attended. Among them was Clemson’s own Brandon Essary, currently a junior majoring in history.

Brandon was immersed in the deep history and sophisticated culture of Tunisia. One of the most significant impacts that this sojourn had on his Clemson experience came from the multilingual people he met there. “As a result of encountering so many Tunisians who spoke multiple languages,” he says, “I returned to Clemson linguistically inspired.”

One night, Brandon ate dinner with a Tunisian family, and during the meal everyone discussed — in English — political concerns of Tunisia, France and the United States.

“The Tunisian willingness to embrace other languages made all the difference in the world,” he says. Back at Clemson now, he’s continuing the Italian studies that he had begun prior to the trip and, in addition, is taking Russian and brushing up on his Spanish.

Brandon’s admiration of Tunisia’s diverse languages and his own desire to study them are the kinds of positive results that CEMAT and Miller hope to encourage among Americans in regard to the Arab world.

Professor Stephanie Barczewski, of the College of Architecture, Arts and Humanities’ International Programs, says the University has a great interest in expanding the summer program in Tunisia.

“We think it offers a rare and valuable opportunity for Clemson students to study in a country in the Islamic world,” says Barczewski, “obviously a region that is crucial to contemporary world affairs and likely to remain so.”

Though plans are in the very early stages, one goal is to create a consortium of U.S. universities that would participate in the Tunis program.

This year, CEMAT, part of a network of similar American research centers across the Arab world, is offering a six-week program in Arabic language for 16 students. Again sponsored by the U.S. Department of State, the Tunisian Arabic Program is a direct result of the National Strategic Language Initiative first announced by President George W. Bush at the 2006 National Conference for College and University presidents attended by Clemson President Jim Barker in early January.

Miller will return to his Hardin Hall office this fall and resume teaching Clemson students on campus. But through his leadership at CEMAT and the potential for future programs, the Clemson classroom now has a richer international scope.

For more information about CEMAT, visit the Web at www.caorc.org. For more about Clemson international affairs, visit www.clemson.edu/IA.
T.G. “Ted” Westmoreland

Ted Westmoreland has a simple philosophy: Decide what you want to do. Then work at it. His outlook, backed by a ton of energy and effort, has led to an extremely successful life.

The youngest of eight children, Westmoreland grew up in the tiny town of Clover, where even the folks who lived in “the city” kept a few farm animals. From his experiences of helping with his family’s livestock and pets, Westmoreland decided on a career as a veterinarian. During summers he worked for veterinarians in Rock Hill, York and Lancaster. He also raised two calves of his own as a 4-H project. By the time he was ready to go to college, his two calves had grown into seven. He sold them to help with tuition and headed to Clemson.

He enrolled in Clemson as a pre-veterinary science major in 1952, getting along on a small scholarship and his pay from working in the dining hall. Despite the demands of academics and military life, he qualified for veterinary school in two years.

From Clemson he went to the University of Georgia, earning his doctor of veterinary medicine degree in 1958. After graduation, he served in the Air Force two years as base veterinarian and assistant preventive medicine officer.

After service, Westmoreland opened an office in Shelby, N.C. As his veterinary practice grew, he began a “revolutionary” beef herd operation named River Hill Angus. He maintained one of the few all artificially inseminated herds in the country and was a pioneer in embryo transfer. His prize-winning bulls — PS High Pockets, Power Genes and others — are still highly regarded in the Angus cattle world.

Even though Westmoreland retired from the cattle business, he’s anything but retired from his practice. In fact, if he’s not with family — wife, Margaret, sons, Wes and Jay ’89, and their families — or at church or at a Clemson ball game, he’s at work.

Westmoreland, a 2000 Clemson Alumni Fellow, is “Solid Orange,” supporting Clemson in a variety of ways. When he retired from the cattle business, he gave much of his prized herd to the University. He has funded Clemson research in reproductive physiology and established a scholarship for animal and veterinary science students. He’s a major supporter of the Class of 1956 Academic Success Center. Also, as an avid Clemson sports fan, football in particular, Westmoreland is a longtime IPTAY member and among the first WestZone Project donors.

“I credit my early Clemson experience with helping prepare me for life,” says Westmoreland, “particularly the academics and the discipline I learned.

“And I’m extremely happy with where the University is now,” he says, “with its academic leadership, the athletic programs, the opportunities that students have. Clemson knows what it wants to accomplish. I’m glad to help.”

For more information about supporting the University through planned giving, please contact JoVanna King, senior director of gift and estate planning, Clemson University, PO Box 1889, Clemson, SC 29633-1889 or call (864) 656-0663 or 1-800-699-9153 or email jovanna@clemson.edu.
In an early section of his will, Thomas Green Clemson expressed “a great sympathy” for the farmers of South Carolina and acknowledged “the difficulties with which they have had to contend in their efforts to establish the business of agriculture upon a prosperous basis.”

To help mitigate such difficulties, Clemson provided for a college devoted to “thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture.” For 27 years, this “thorough instruction” in agricultural science was administered by one of the school’s earliest and most well-respected research pioneers, professor Henry Walter Barre.

Born May 5, 1881, Barre grew up working on his family’s farm in Lexington. He entered Clemson in 1900, graduated with a degree in agriculture in 1905 and then moved to the University of Nebraska to pursue graduate studies in botany. It was there that he met his future wife, Florence Tillotson, and later they celebrated the births of two children, Bertram and Bernice. By 1907, Barre had obtained a B.S. degree in botany from Nebraska and completed all the requirements for a master’s degree except writing his thesis.

In the fall of 1907, Barre returned to Clemson and joined the faculty as an associate professor of botany and plant pathology. The next year, he exchanged his classroom duties for a research position with the S.C. Agricultural Experiment Station, which emphasized, among other things, eradicating plant diseases and combating pests. Barre’s astute research resulted in marked advancements in both areas — especially in relation to cotton, the state’s chief cash crop at the time.

Barre concentrated on conquering anthracnose, a pernicious cotton disease commonly known as boll rot, which cost S.C. farmers an estimated $1.5 million in 1908. Convinced that “seed is the all important factor in growing better grades of cotton,” Barre eventually developed anthracnose-resistant seeds and worked relentlessly to make them available to farmers all over the cotton belt.

Anthracnose soon disappeared, and Barre used the results of this research as the foundation for his thesis; in 1910, the University of Nebraska awarded him a master’s degree in botany and agriculture. Barre also developed Dixie and Dixie Triumph, varieties of cotton resistant to wilt yet still capable of producing a high-quality yield. In 1911, Barre returned to the classroom. He divided his time between teaching and the Experiment Station for another 15 years.

After being named director of the Experiment Station in 1917, Barre began reshaping research methods to respond to the growing danger posed by the devastating boll weevil. Over a span of 11 years, he coordinated weevil activity studies, poison experiments and cotton production trials, all of which informed the successful implementation of boll weevil control practices. Barre discovered, for example, ways of speeding up the growth process so that cotton could mature before the boll weevils had a chance to thoroughly infest the crop.

Barre’s exemplary accomplishments did not go unnoticed. In 1918, he was appointed commissioner of the South for the War Emergency Board of American Plant Pathologists. The exigencies of WWI caused many to fear a possible food shortage in the United States, and the War Emergency Board was “charged with the responsibility of stimulating and accelerat[ing] phytopathological work to the end that, in this present world crisis, the reduction of crop losses from diseases would be made most effective as a factor in the increase of our food supply.”

In 1932, he was named dean of the School of Agriculture at Clemson. Two years later, Barre accepted a position with the USDA as director of the Division of Cotton, Other Fibers and Diseases, a position he would maintain until his retirement in 1949. After retiring from federal service, Barre moved back to Clemson and later served as an adviser to agricultural agencies in Cuba and Colombia. He died in May 1969 and was buried in Woodland Cemetery.

At the dedication ceremony for Barre Hall in 1976, President R.C. Edwards commemorated Barre by praising his groundbreaking work in agricultural science: “Dr. Barre’s practical research has provided the American farmer with the know-how to lead the world today in the production of both food and fiber.”

If Thomas Green Clemson’s dream was to alleviate the anguish of hopeless yet determined farmers, Henry Walter Barre’s work illustrates how that dream was made reality.
Contrary to what you may have heard, sometimes there really is an “i” in team. The iCARE project is proof. In November, this team effort won the prestigious InnoVision Technology Award for Community Service, presented in Greenville’s Palmetto Expo Center.

The iCARE project grew out of Clemson’s mission to improve the quality of life and promote economic development in South Carolina. The project’s roots go back to 1993 when the University received funding from the W.K. Kellogg Foundation to strengthen and expand collaboration among state colleges and universities. The program, S.C. Alliance 2020, awarded small grants to groups who shared the vision of helping all the state’s citizens lead rewarding and productive lives.

One of the grants went to Clemson business professor Michael Crino and Charles Duke. Their goal was to increase collaboration among Upstate universities, including Clemson, Lander, Presbyterian College and Southern Wesleyan. This endeavor produced joint business study-abroad programs and a shared online database of business resources — www.SCBizHelp.org — created by Clemson students under the direction of management professor Steve Davis.

The collaboration grew into the Alliance for Small Businesses and Nonprofit Organizations, one of Clemson’s Public Service Activities that involves multiple University departments as well as community groups. Community partners include the Anderson and Greenville County library systems, the Small Business Development Center and the Service Corps of Retired Executives. Clemson partners are the Service Alliance, the S.C. Center for Grassroots and Nonprofit Leadership, and faculty members in the management, marketing and English departments.

This partnership leverages technology with service-learning projects for Clemson students. The result is iCARE, recognized as “an innovative combination of technology and education to meet the needs of Upstate communities and small businesses” by the InnoVision judges.

In the process, students gain real-world experience and — just as importantly — praise from the individuals they serve.

“One positive aspect of the SENIOR Solutions project was the kind words of appreciation we received from the senior citizens,” says Skylar Young, a senior computer science major and iCARE Student of the Year for 2005. “They really wanted to learn about computers and the Internet, and helping them was truly a joy. Because it presented many challenges I haven’t experienced in the classroom, it has prepared me for the real world more than any other project.”

More than 350 students have participated in iCARE projects. Michael Crino, alumni professor in management, is proud of their accomplishments. “This is the best part of my professional career,” he says. “These student projects do real good for people with real needs. They also put pressure on our students to do professional quality work and to be accountable to clients.

“We work for the citizens of South Carolina, and we have an obligation to give something back. Our land-grant mission requires that we make people’s lives better.”

Clemson faculty and students have the skills that nonprofit organizations need but cannot afford to hire — finance, business, database management, strategic planning and Web design. Because they matched those skills with community needs, two faculty members — Ray Henry and Charles Duke — were named iCARE Professors of the Year for 2005.

Ray Henry’s management classes developed a prescription medication tracking system for New Foundations Children and Family Services in Anderson. “Interacting with working professionals on a real-world application motivated them more than any traditional classroom assignment could have,” he says. “It was a real win-win for both the students and the nonprofit organization.”

Charles Duke’s marketing classes have provided marketing research for several community service groups. “Students often say that, to make the best impression during a job interview, any project is better than no project,” he says, “but a real-world project is sometimes the difference between ‘employed’ and ‘unemployed.’”

For more information on iCARE and the Alliance for Small Businesses and Nonprofit Organizations, contact Michael Crino at (864) 656-1753, crino@clemson.edu or www.SCBizHelp.org. For information on the Service Alliance, contact Kathy Woodard at (864) 656-0205, kwoodard@clemson.edu or www.clemson.edu/servicealliance.
The statistics are sobering: Traffic crashes are the leading cause of injury and death in the United States.

In its vision of becoming the premier automotive and motorsports research and educational facility in the world, the Clemson University International Center for Automotive Research (CU-ICAR) is making safety a focus. “CU-ICAR is not just about vehicles; ultimately it’s about improving vehicles to improve and save lives,” says Chris Przrzembel, Clemson’s vice president for research and economic development.

Improving overall vehicle performance through the application of research and new knowledge generated by Clemson and its partners will undoubtedly save lives. CU-ICAR’s strategy, however, is more direct. It has established the Automotive Safety Research Institute (ASRI) as a research-based interdisciplinary initiative focused on the critical human-vehicle-road interface. The institute — in the College of Engineering and Science’s civil engineering department — provides synergy for interdisciplinary research, education and public service that enhances scholarship with increased opportunities for graduate and undergraduate students.

The University did not have to go far to find the right person to head the institute. Kim Alexander, ASRI executive director and faculty member, has a lifelong passion for automotive safety. She’s earned a national reputation for the University’s Cruisers Program, an evidence-based K-12 life skills curriculum, which focuses on the issue of youth traffic safety. “The Cruisers curriculum contains the most creative and innovative lesson plans for traffic safety that I’ve seen in this country,” says Terecia Wilson, director of safety for the S.C. Department of Transportation (SCDOT).

Alexander says ASRI’s goal is to bring together nationally and internationally recognized researchers, educators and practitioners in a variety of disciplines to improve the safety of the automotive transportation environment and leverage resource support through public and private funding. “The interdisciplinary approach enables us to perform a comprehensive, systemic analysis of the human-vehicle-road system,” she says. “This unique structure is addressing complex and inter-connected challenges of the future of automotive transportation safety where it’s no longer possible for these issues to be solved in a single discipline or profession.” ASRI is already collaborating with Clemson faculty including civil engineering, sociology, public health, psychology, marketing, mechanical engineering and industrial engineering.

Current initiatives include safety and health issues such as vehicle-highway automation and human-machine interface; emerging technologies such as rapid tire deflation and advanced steering systems and in vehicle information systems; and driver training and evaluation.

In addition to the on-campus collaborators, Alexander has built successful partnerships with state and federal agencies, and private corpora tions. The institute is currently working on a research project for the SCDOT to assess road users in South Carolina on current understanding of perceptions, attitudes and behaviors regarding key traffic control measures.

Alexander’s long-time private partners are Michelin North America Inc. and Michelin Americas Research and Development Corp., and she’s enthusiastic about the potential for expanding collaboration with the company as part of the CU-ICAR team.

“Michelin is an outstanding partner,” says Alexander. “Their corporate culture is very supportive of mobility safety.”

“Our support of the ASRI and Cruisers programs has saved lives, and we look forward to taking our work together to a new level through the synergy of the CU-ICAR research environment,” says John Tully, director of community relations for Michelin.

Michelin’s Laurens Proving Grounds, where vehicles can be tested for safety and other performance features, will be a key resource for ASRI. One creative project that has grown out of the partnership between Michelin and ASRI is “First Responders’ Safety First.” This bold new idea utilizes a team of Michelin safety experts and ASRI faculty to train and certify first responders in advanced emergency highway safety procedures. The institute’s comprehensive goals will require significant, long-term funding. In addition, Alexander plans an aggressive sponsored research component for ASRI.

“Whether it’s communication about safety issues, psychological factors in driver impairment, vehicle design or marketing safety programs, we have many opportunities for collaborative research,” she says. “We are limited only by our imaginations.”

And, for the moment, by space. ASRI will have a permanent home on the CU-ICAR campus in Greenville, which will place the institute in the center of the research and collaboration neighborhood environment. Until construction is complete, Alexander and her team will work from the Clemson campus.

“We are breaking new ground in transportation safety, it’s very exciting to anticipate what the institute will be able to accomplish in CU-ICAR’s neighborhood environment.”

Kim Alexander
’88, M ’92

When Kim Alexander was a senior in high school, an automobile crash changed the course of her life. The car in which she was a passenger ran off the road and crashed into a tree. The result was a spinal cord injury that left her paralyzed and confined to a wheelchair.

Where others may see limitations, Alexander found opportunity. While attending Clemson, Alexander used her personal experience as a springboard and created a program called “Keeping in Motion,” an inspirational testimony that challenges students and adults to utilize their abilities and seize their opportunities.

She speaks on the state, national and international stages, offering a look at the consequences of one’s judgments and shares the importance of smart, healthy and informed decision making. Alexander believes that “in order to survive you have to keep your eyes open and your options alive, and realize that you may not always get a second chance!”

South Carolina historically has had one of the highest traffic-based teen-fatality rates in the country, and nationally, crashes are the No. 1 killer of teens. “We call these events ‘accidents,’” says Alexander, “but crashes are preventable and most often occur due to human error.”

To date, she has received over $2.3 million in sponsored research in the field of transportation safety. ASRI takes Alexander’s work to the national and international stage and creates safety a focal point for the international automotive research community. She holds Clemson degrees in marketing and counseling and guidance services, and will receive a doctorate in education degree in August.

“Both as a director and a spokesperson, Kim Alexander offers a unique combination of leadership and passion to articulate the need and the value of CU-ICAR’s safety component.”

—Chris Przrzembel, Clemson vice president for research and economic development

The statistics are sobering: Traffic crashes are the leading cause of injury and death in the United States. Clemson World Autumn 2006 21
Clemson student Claire Pavlich is on her hands and knees in the semidarkness. In a black shirt and dark jeans, she is playing with light. Her arms and face and little else are visible from the back of an empty Florida theater. She moves her hands just a few inches away, and the light follows. Satisfied, she looks skyward to unseen catwalks and gives more instructions.

The Decameron Project
By Ross Norton

around her, cast mates pace. Their period costumes look at home in Pavlich’s varying light. The Clemson students walk in circles muttering nonsensical lines and contorting their faces in preparation for curtain. Occasionally, one bellows out a line from The Decameron Project, their vehicle to Florida and, later, to Scotland.

From the shadows of the otherwise empty seats, director and playwright Mark Charney shouts out advice and encouragement while assistant director Michael Chase plots a light board. When the curtain rises in another hour, The Decameron Project ensemble will deliver more than a play at the University of Florida. The audience, assembled for the Kennedy Center American College Theater Festival regional competition, will observe Clemson students who understand their show more than actors who simply memorize lines.

These students have immersed themselves in 14th century Florence, Italy. They began by reading Giovanni Boccaccio’s 1,000-page novel The Decameron, their vehicle to Florida and, later, to Scotland.

The Decameron Project was set. Eleven students began working together two years ago, coming to know The Decameron far better than they would have by simply studying the novel. Along the way, many of the students honed their professional skills.

Pavlich, for example, is majoring in production studies and as one of the choreographers. She designed the lighting in addition to her role in the cast and as one of the choreographers.

The challenge for me as the lighting designer was to show the journey of the characters away from Florence and the plague — time of day, location, that kind of thing — and the stark contrast between the dark reality they are facing and the stories that are their escape,” says Pavlich. “Through the development of the script and text of Boccaccio, we realized that the stories are what keep the characters alive. And I wanted the lights to reflect this. All the research and prep work for this creative inquiry project allowed me to craft a more complete, developed design.”

The students spent the first year closely analyzing the text of the novel and the culture of 1348 Florence — from Boccaccio’s life to the plague, from music to courtly rituals.

“Students essentially did a year of table work as dramaturges, designers, writers, actors, singers, dancers, musicians and classmates,” says Charney. “They shared personal stories, analyzed themes, wrote lyrics and music, determined emphasis areas and helped to choose from among the novel’s 100 tales the ones for our adaptation.” He used their research to write and direct the play.

Goodstein, chairman of the performing arts department, says most plays begin with something that is already completed. “We usually start with some kind of finished product, but this one was ‘from the page to the stage’,” he says. Goodstein also served as music mentor for the production, which included original music by the students.

In August, the production goes by invitation to Scotland for a performance in the Fringe Festival, widely considered the most significant theater festival in the world. It may be the students’ own song, but their project will continue to play throughout their Clemson experience.

The project is a result of Clemson’s creative inquiry initiative. Championed by Clemson Provost Dori Helms, creative inquiry — a comprehensive form of undergraduate research — includes intensive, discovery-oriented approaches to learning. It emphasizes an experience that will be meaningful to undergraduates and will promote reasoning and critical-thinking skills, ethical judgment, communication skills and a deep understanding of the methods of scientific or humanities research.

The Decameron Project is the University’s first highly visible creative inquiry project from the humanities.

“Richard Goodstein [project director] and I were among the first to initiate a creative inquiry project,” says Mark Charney, chairman of the English department. “In fact, we began the semester before the project was set.

“We wanted an opportunity to illustrate that the humanities involve research just as deeply as any other subject. With the provost’s good plan, we asked students to commit themselves fully to a theatrical project from its inception to its staging. They auditioned and then dedicated themselves to two years of research, design, writing and character work.”

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Frank Kellers ’57

With all his professional accomplishments and civic involvement, the role that Frank Kellers is best known for is ambassador for Clemson University.

Born in Clinton, Kellers grew up traveling the world as an “army brat.” The son of a Clemson graduate and colonel in the Army Signal Corps, he attended first grade in Missouri, eighth grade in the Philippines and 12th grade in Germany, but to this day he still thinks of South Carolina as home.

After graduating from Clemson with a B.S. in electrical engineering in 1957, he served in the Army Signal Corps where he met and married Sheila Stalk. He returned to civilian life in 1959 and went to work for the Lockheed Missile and Space Co. in Sunnyvale, Calif. The Kellers, who raised three daughters, Dana, Melanie and Lisa, still make a home there.

During his 32-year career with Lockheed, Kellers distinguished himself as an expert in telemetry, tracking and command systems in the chief systems engineer’s office.

When Kellers retired in 1991, Clemson became his full-time profession. President of the Northern California Clemson Club for the past 21 years, he’s also served as Alumni National Council district director, district member and member-at-large; IPTAY representative and Western regional chairman; and member of the Clemson Admissions team.

In addition, he sponsors the Clemson women’s indoor track Most Valuable Player trophy and manages the Frank Kellers Annual Computer Science Scholarship for TigerNet. The Keller’s routinely open their home to Clemson athletic teams. He even established the California Hotline, (408) CLEMSON, to keep everyone informed of Clemson activities happening on the West Coast.

Harry Lloyd Lancaster ’48

Lloyd Lancaster of Charlotte, N.C., is a man of commitment as evidenced by his 52-year marriage, 33-year employment with GE and 55-year IPTAY membership.

Lancaster, who grew up in Port Royal, entered Clemson in the midst of World War II, so he wasn’t surprised when he was called to serve in the U.S. Navy in 1945. The war ended before his Navy training was complete, and he returned home to finish his education.

At Clemson, he was a member of the Senior Platoon, Tiger Platoon, Tiger Brotherhood, The Tiger staff and more. He graduated with a degree in mechanical engineering and briefly held two positions before he found his home at General Electric. He married Peggy Spigner, and they had four children — Harry III ’80, Sarah, Thomas and John ’85.

Lancaster’s sales career spanned 16 years in Columbus and 17 more in Charlotte. He was honored with a variety of awards including his most treasured one — “GE is Me” — which he received for his many charitable activities outside the company. When he retired in 1990, community service became his full-time job.

Lancaster has participated in CROP walks for the past 20 years, raising more than $100,000 to fight world hunger. He’s a regular Red Cross platelets donor, and he’s worked with Habitat for Humanity and Appalachia Service Project at home and abroad.

His generous spirit extends to Clemson. A member of the Benefactors of 1889 cumulative giving society, he’s supported the Fort Hill Scholarship, Clemson Corps and Clemson Fund. In 1997, he and Peggy established the Harry Lloyd and Helen Lightsey Lancaster Scholarship Endowment in memory of his parents to benefit mechanical engineering students.
Call for 2007 DSA nominations

Nominations for next year’s Distinguished Service Awards are due by June 30, 2006. The Alumni Association honors up to five outstanding alumni each year in recognition of service to their profession, the University and their community. The awards are presented during a spring event.

To nominate an outstanding alumus, call the Alumni Center at (864) 656-2345, fax (864) 656-0713 or write Clemson Alumni Association, 109 Daniel Drive, Clemson SC 29631-3006 for a nomination form and criteria for selection. You can also find information on the Web at alumni.clemson.edu.

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“Developing our community’s potential.”

Thomas Charles Mann ’51

The only time Thomas Mann of Greenville was last — at anything — was when he was born. The youngest of six, Mann showed leadership qualities at an early age. He was captain of the middle-school football team that won the city championship in 1941 and vice president of his senior class at Greenville High.

At Clemson, he was captain of Clemson’s Most Outstanding Cadet Company, secretary of Senior Council; 1951 Distinguished Military Student; and a member of Senior Platoon and Alpha Epsilon Delta pre-med society. He graduated cum laude from Clemson and finished among the top of his class at the Medical University of South Carolina.

In 1956, the U.S. Air Force shipped Mann to Japan where he served as a flight surgeon. His bride, Margaret, a nurse, joined him there. After returning to the states, Mann completed a general surgery residency at MUSC and opened a private practice. He and Margaret raised five children — Tom, Deborah, Stephen, Carol and Lisa.

Mann retired in 1994 from a 31-year career as a general surgeon during which he held numerous leadership positions: chairman of the Greenville Hospital surgery department, president of the medical staff, president of Greenville County Medical Society and president of the S.C. Chapter of the American College of Surgeons. In 1995, Mann became the first physician named to the Greenville Hospital System board of trustees, a position he held for six years. Today, he continues to serve as chairman of the Greenville Health Corp. board of directors.

Mann contributed to the realization of the Military Heritage Plaza, the Frank A. Purner Endowment and the Senior Platoon reunion drill performances.

Robert J. Rutland ’64

Bob Rutland of Covington, Ga., is a man of commerce, accomplishment and faith.

As a Clemson student in the early 1960s, he served as president of the Clemson Aero Club and president of the Baptist Student Union.

When his father suffered a serious stroke, Rutland returned home to help his older brother run the family business, Automotive Transport Trucking. Later, he became chairman and CEO. He led the company through periods of major growth, establishing it as the world’s largest company specializing in the delivery of new and used vehicles.

He has been widely recognized for his business acumen, including 1997 Executive of the Year by Georgia Securities and a finalist for 2000 Entrepreneur of the Year for the Southeast.

Rutland and his company pioneered the field of industrial chaplaincy, which many believe is one reason for the company’s incredibly low turnover.

He’s the past chair of Georgia Baptist Health Care and a former trustee of the Baptist Village Retirement Home. He also serves as chairman of the Haggai Institute, which teaches third-world leaders how to be disciples of their faith in both their professional and personal lives.

In 2001, he established the Robert J. Rutland Center for Ethics at Clemson in order to educate the next generation to lead with integrity — something he’s done all his life. As a result of his vision and financial support, Clemson is on the leading edge of ethical education. He also supports the Albert C. Todd III Family Endowment.

Rutland and his wife, Cherry, have three daughters — Dawn, Shelly and Carrie ’96. He’s chairman of Allied Holdings Inc. and Greyland Real Estate Investments Inc.

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

John Parris began his long, notable career in agriculture after earning his bachelor’s degree in agricultural education in 1958. He was a teacher before becoming head of the S.C. Land Resources Commission. Parris retired from state government in 1994 with nearly 36 years of service. Currently, he’s state director of SC FFA Public Affairs and editor of Agrilife SC Agricultural Education magazine.

Throughout his career, Parris has been active in numerous professional and civic organizations. He has served as a member and past president of the S.C. Agricultural Council, the S.C. Soil and Water Conservation Society, the Clemson University National Agricultural Alumni Board and the historic Pendleton Farmers Society. He chaired the first Tri-State Dams and Reservoir Safety Conference and the Eastern States Drip Trickle Irrigation Conference.

In recognition of his devoted career in agriculture, Parris was the first South Carolina named to the Conservation Hall of Fame by the National Association of Conservation Districts. Recipient of Clemson’s Centennial Distinguished Alumni Award, Parris was also named Man of the Year in Agriculture in South Carolina by Progressive Farmer. He was awarded the Order of the Palmetto, the state’s highest honor for public service, by Gov. Carroll A. Campbell Jr.

In addition, the Clemson University Collegiate FFA has established the John W. Parris Agricultural Leadership Award, which is presented annually to an Outstanding Collegiate FFA member.

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

ANC unrestricted gift
Alumni Association President Ben Sill has received the Class of 1939 teaching award. Sill, Alumni Distinguished Professor in Civil Engineering, is a founder of the University’s Wind Load Test Facility, one of the top three such facilities in the country. The honor, which includes a $5,000 stipend, recognizes faculty for service to the student body, the University and the nation. The Clemson Faculty Senate elects each year’s recipient from nominees. The recipient’s name is inscribed on the Class of 1939 Bell Tower monument in the Class of 1943 Carillon Garden, and he or she becomes an honorary class member.

ANC unrestricted gift
Alumni Association President Ben Leppard (right) presents a check for $50,000 to President Barker on behalf of the Alumni National Council (ANC). The gift to the Clemson University Foundation is designated “unrestricted” so that it can support Clemson academics where the need is greatest.

The gift was made during Leadership Clemson, a gathering of more than 150 community, government and business leaders who began their careers at Clemson as part of the Palmetto Challenge to improve the economic well-being of South Carolinians. The group also pledged $50,000 to the WestZone Project.

The golf event will be June 5 at the Walker Course at the Clemson Conference Center and Inn complex. Contact the Alumni Center at (864) 656-2345 or go online at alumni.clemson.edu for more information.

Reunion 2006
The 2006 Clemson Alumni Reunion weekend is set for June 8-10 to celebrate the golden anniversary of the Class of 1956 and other reunioning classes. For more information, call the Alumni Center at (864) 656-2345 or go online at alumni.clemson.edu and click on “reunion.”

“Senior” day
Several members of Clemson’s Senior Platoon joined current ROTC students in Holtzendorff to share a history lesson about Clemson’s military heritage. Pictured first row from left are Bob Williamson ’59, Bud Webb ’55 and C.B. Bishop ’56; second row, Happ Carr ’60, and Ann and Leonard Butler ’53.

Family tradition
Recent graduate Connelly-Anne Battle of Rock Hill donated her class ring to the Alumni Center’s ring case in memory of her grandfather Harold Page Connelly Sr. ’32. She’s the fourth generation in her family to graduate from Clemson, but she says it was her grandfather’s love of Clemson that led her here. In December, Battle earned bachelor’s degrees both in political science and communication studies.

“Orange” on the greens
The Greater Greenville Clemson Club is holding its 20th annual golf benefit to raise money for Clemson. Last year, area alumni gave $25,000 for endowed faculty positions at Clemson as part of the Palmetto Challenge to improve the economic well-being of South Carolinians. The group also pledged $50,000 to the WestZone Project.

The golf event will be June 5 at the Walker Course at the Clemson Conference Center and Inn complex. Contact the Alumni Center at (864) 656-2345 or go online at alumni.clemson.edu for more information.

GO with the TIGERS!
For 2006 Clemson football away games, be sure to plan your trips with the Alumni Association. Call (864) 656-2345 for the latest information on official Clemson Away-Game Headquarters and information on Clemson Tailgate gatherings or visit the Web at alumni.clemson.edu.

Lost City of Incan
Clemson alumni, family and friends explored the Amazon River Basin, one of the world’s most exotic natural realms, in one of two recent PASSPORT Travel adventures to the Amazon.

The Clemson Alumni Association has additional 2006 travel opportunities including Scandinavia, Blue Danube and Great Lakes cruises. For more information, call (864) 656-2345 or go to alumni.clemson.edu and click on “programs and services.”

2006 Tiger Football
Sept. 2 — Florida Atlantic (IPTAY/Hall of Fame Day)
Sept. 9 at Boston College
Sept. 16 at Florida State
Sept. 23 — North Carolina (Family Weekend)
Sept. 30 — Louisiana Tech (Youth Day)
Oct. 7 at Wake Forest
Oct. 12 vs. Temple at Charlotte, N.C.
Oct. 21 — Georgia Tech (Homecoming)
Oct. 26 at Virginia Tech
Nov. 4 — Maryland
Nov. 11 — N.C. State (Military Appreciation Day)
Nov. 25 — South Carolina (One Clemson - Solid Orange)
The Clemson chapter of Blue Key Honor Society earned the current national headquarters for Blue Key. The University is also active membership since its inception in 1932. The University is also
hosting the Blue Key National Conference in the Center for the event, the largest conference in Blue Key’s history. The Clemson chapter hosted the Blue Key National Conference in
summer internships to helping beautify downtown to ringing in their senior year with the Clemson Ring Ceremony.

Blue Key honor
The Clemson chapter of Blue Key Honor Society earned the Certificate of Merit for outstanding service earlier this year. The Clemson chapter hosted the Blue Key National Conference in January. Ninety-six students from 14 chapters filled the Hendrix Center for the event, the largest conference in Blue Key’s history. Clemson is home to the nation’s oldest chapter with continuous active membership since its inception in 1932. The University is also the current national headquarters for Blue Key.

Blue Key recognizes upperclassmen from all academic colleges for meritorious campus performance and honors them with continued leadership opportunities.

SAC officers
New SAC executive officers are, from left, Mary Kathryn Dempsey, Layton Bunson, Stephanie Carroll, Laura Young, Katherine Davis and Ashley Felker.

Parents’ Fund
Clemson’s Parents’ Development Board (PDB) presented a check of $51,047 for Student Affairs initiatives during the Student Affairs Gala in February. Pictured from left are retiring Student Affairs Vice President Ahmed Jacks ‘74, M ’75, PDB co-chairs Guy ’77 and Lisa ’79 Hendrix of Rock Hill and co-chairs-elect Leland and Kathy Reynolds, both 1977 graduates, of Aiken.

The PDB has set a new goal of raising $250,000 over the next two years for the Parents’ Fund, which supports a variety of Student Affairs initiatives. Past projects include new software for the Michelin® Career Center, three escort vans for the Clemson University Police Department, spinning bikes for the Recreation Center and the Friday Night Lights intramural sports program.

Ultimate ‘Tiger Rag’
Performing arts student Megan Wade displays Tiger Band’s colorful afghan honoring its 50th anniversary. The afghan includes images of all six band uniforms that have been worn over the last 50 years. It’s a fundraising project of Clemson University Tiger Band Association (CUTBA), which helps support the University’s bands, funds a scholarship program, provides cash awards for deserving band students and contributes to other band-related needs.

For more information about the afghan or CUTBA, contact the Tiger Band office at (864) 656-3380 or go online at www.clemson.edu/CUTBA.

Clemson students and faculty answered a higher calling for community service at a monastery in Abbeville County in February. Three nuns of the Greek Orthodox Church who own a small farm near Aiken had a need for help in cutting their six-acre pasture so that they can raise milk goats and a dairy cow.

Clemson Extension horticulturist David Beach shared Clemson students to help clear the old fence line to make way for a new one. Five professors, three graduate students and 25 undergraduate students from the College of Agriculture, Forestry and Life Sciences pitched in to remove scrub brush, rotten posts and dilapidated wire. As the project continues, more plans to help build the new fence.

‘Motion mapping’ in Italy
Architecture turned into art when a Clemson project earned its way to an acclaimed international exhibition of new media in Italy. Professors Martha Skinner and Doug Hecker, who were invited to participate in Beyond Media ’95, an international festival of architecture and media in Florence, Italy, involved their students. The Clemson contingent represented one of only 20 architecture schools from eight countries to be a part of the exhibition.

Skinner’s studio examination of human interaction with light and space led to “Motion Mapping,” an installation that Clemson students put together for the festival. They cut and displayed Tiger Band’s colorful afghan—honoring its 50th anniversary. The afghan includes images of all six band uniforms that have been worn over the last 50 years. It’s a fundraising project of Clemson University Tiger Band Association (CUTBA), which helps support the University’s bands, funds a scholarship program, provides cash awards for deserving band students and contributes to other band-related needs.

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1964 William T. "Bill" Murphy Jr. (ENG) of Summerville, Ga., has retired from the Florida Division of Blind Services where he was the program specialist for placement, training and quality assurance.

1973 John D. Jacob (ARCH) of Pendleton, Clemson professor emeritus of architecture, is a senior associate with Paulan-Smith Group Architects in Greenville.

1975 John R. Hester (PSYCH) of Marion is a psychology professor at Francis Marion University and director of its Center for the Child.

1984 Margaret (Mickey) F. pavilion (ENG) of Beaufort, S.C., received the American Institute of Aeronautics and Astronautics (AIAA) 2004 Young Astronauts Science Award during the annual Aerospace Sciences Meeting and Exhibit in Reno, Nev.

1985 Vaughn earned the award for his research in atmospheric electricity and the discovery of Red Sprites and Blue Jets that occur above severe thunderstorms. He made the discovery using the Space Shuttle's TV cameras to observe thunderstorms from orbit during the Meso Scale Lightning Experiment program.

Earth science experts around the world refer to him as "Mr. Lightning" because of his work in atmospheric electricity. For nearly four decades, he contributed his considerable talents to solving both missile and space engineering problems in Apollo, the Lunar Exploration, Skylab and the Space Shuttle programs.

Vaughan is writing a history of Clemson Aviation Heritage and Space Pioneers. He's looking for stories from former Clemson Astro Club or flight club members, either as students or when they continued to fly as civilians or military. He would also like to hear from alumni who worked in the early U.S. Air Force Missile and Space Program and in the early NASA Space Program (skewtv@knology.net).

For more information, call Annual Giving at (864) 656-5034 or email alumni@clemson.edu.

# Active Clemson Fund donor for 2006 Fiscal Year (July 1, 2005-June 30, 2006) through February 28. For more information, call Annual Giving at (864) 656-5586.

Classmates

Top educator

Thomas E. Barton Jr. ’53
Under the leadership of education graduate Tom Barton, South Carolina’s technical colleges have become a gateway to the American dream. Clemson honored Barton, longtime president of Greenville Technical College, with an honorary doctorate for eminent achievements and meritorious contributions to higher education during December graduation.

Through his guidance, Greenville Tech has expanded into a four-campus system and is now the third largest higher education institution in South Carolina. Barton was also instrumental in establishing the University Center of Greenville, the largest multi-institutional center for higher education in the Southeast.

In addition to his Clemson degree, Barton earned an Ed.D. from Duke University. He has received a variety of honors including being named to the "Blue Chipper’s List" of the top 50 chief executive officers in community colleges across the nation.

Still marching

Alex A. MacCormack ’53
Electrical engineering graduate and Tiger Band alumnus Alex MacCormack of Oxford, Miss., is still marching on football fields. But these days he and his trumpet are with a University of Mississippi marching band.

A retired referee from Emerson Electric Co. in St. Louis, Mo., MacCormack played with the Jugulars in his Clemson days and with an Army band as a service man.

Now, using his engineering skills, he programs the music into his synthesizer and gets extra practice at home. To help with the marching, he colorizes the notes on his sheet music to indicate when he’s supposed to be moving and when he’s to stand still. He also juggles three pairs of glasses.

To qualify for the Ole Miss Marching Band, he needed at least three semesters. He gets two credits for band and one for the school’s jazz ensemble.

Accordianist

Otha "Skeet" Vaughan ’51, M ’59
Mechanical engineer alumnus and retired NASA scientist Skeet Vaughan of Huntsville, Ala., received the American Institute of Aeronautics and Astronautics (AIAA) 2006 Young Astronauts Science Award during the annual Aerospace Sciences Meeting and Exhibit in Reno, Nev.

Vaughan earned the award for his research in atmospheric electricity and the discovery of Red Sprites and Blue Jets that occur above severe thunderstorms. He made the discovery using the Space Shuttle’s TV cameras to observe thunderstorms from orbit during the Meso Scale Lightning Experiment program.

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For more information, call Annual Giving at (864) 656-5034 or email alumni@clemson.edu.
Navy civilian award
Chester J. Arazy M ’74

Materials engineering graduate Chester Arazy of Voorhees, N.J., recently received the U.S. Navy Meritorious Civilian Service Award, the Navy’s highest civilian award. He’s pictured right with Capt. Laurence Baun.

He was honored for his support of the PED Aircraft Carrier/Small Business Innovative Research Program. His work helped lead to the development of a new lightweight thermal insulation material for shipboard use that will have long-lasting impact in personnel safety, finance, efficient operation and overall warfighting capability.

Arazy began work with the Naval Surface Warfare Center in 1974. Until his recent retirement, he served as the Department of Navy’s primary point of contact for test and evaluation and in-service engineering of nonmetallic materials.

Gold medal
*Michael E. Newman ’78

Microbiology graduate Michael E. Newman is director of media relations for the Department of Commerce (DOC) National Institute of Standards and Technology (NIST). He recently received the DOC Gold Medal, the highest honor awarded by the department, for his service as communications director and chief spokesman for the three-year NIST technical investigation of the fires and collapses of the World Trade Center towers on 9-11.

He previously received the NIST Bronze Medal, the agency’s top award, for the same work.

Country’s best feta
Evin Evans ’73, M ’76

Animal science and nutrition graduate Evin Evans celebrated the 25th anniversary of Split Creek Farm, her Grade A goat dairy and cheese plant, by winning a top national award. The dairy’s “Feta in Olive Oil” won best in show in the prestigious national cheese competition at the American Dairy Goat Association’s 2005 annual meeting.

Split Creek Farm in Anderson, co-owned by Pat Bell, is home to approximately 350 goats. The operation has won numerous gold medals in national competitions for cheese, milk and fudge.

The farm — which welcomes tourists and visitors — includes milking and cheese production, a kid nursery and two gift shops featuring goat milk products and award-winning feta folk (www.splitcreek.com).

Evans has been a valuable volunteer to Clemson Extension’s goat educational program in the Upstate for youths and adults. Split Creek staff, pictured from left, are Irene Wood, Clemson graduates Maggie Miller ’99 and Jessica Bell ’01, Evans, Pat Bell and Rachel Smith.

Kahiki president
*Alan L. Hoover ’78

Administrative management alumus Alan Hoover of Dublin, Ohio, is the new president of Kahiki Foods Inc., a manufacturer of Asian frozen foods for supermarkets, club stores and food service operations in the United States and abroad.

Hoover first came to Clemson to play baseball and get a solid education. In the process, he made the Dean’s List and the ACC honor roll, lettered in baseball and basketball, scored the winning run in the 1976 ACC championship tournament game, played in two College World Series and married English alumna and Rally Cat Kathy Wright ’77.

After graduation, Hoover joined Sonoco Products and moved across the country in various management and sales positions. He later spent nearly 15 years with Pepsico (a food packaging company). He also earned a master’s degree in financial management at the University of Chicago.

In addition to his duties with Kahiki Foods, Hoover is an advisory board member for the National Refrigerated and Frozen Foods Association.

1990
William P. Fox (PhD INDE) of Florence was named a Francis Marion University Professor by the Department of Commerce (DOC) National Institute of Standards and Technology (NIST). He currently serves as a chaplain assistant with the 46th Brigade Combat Team in Iraq, but plans to return home this summer, where he will resume his work as a recreation supervisor with the Alphabeta Recreation and Parks Department.

Kay Allison (PUSC) and J. Michael (91 SCTR) Moyer are living in Rock Hill. She supervises child abuse investigations at York County DSS, and he’s the head football coach and athletic director at Indian Land High School.

Courtney M. McInnis (MATH) of Leesburg coached his Bunsburg Leesville High School football team to the 2005 State AA Championship.

Angie Colman Ringley (ELED) of Summerville was named 2004-2005 Teacher of the Year at Pinewood Preparatory School which she’s teaching director.

William A. Russell III (ACCT) of Summerville is a principal in the certified public accounting and business advisory firm Juttard, Nowell, & Russell LLC in Charleston.

1991
Ted W. Ballow (MGTG) of Bedford, Ga., is part of the Harry Trimmer International firm, the firm renovating Clemson’s West End Zone. Ballow was a student equipment manager for the Tigers from 1987 to 1990.

Ann Debor Cecil (ECHED) of Atlanta, Ga., was named 2005 Teacher of the Year at Atlanta Public Schools. She’s a first-grade teacher at Sarah Smith Elementary School.
**The Clemson Family**

**Active Clemson Fund donor for the 2006 Fiscal Year (July 1, 2005- June 30, 2006) through February 24. For more information, call Annual Giving at (864) 656-5896.**

Brian P. Clark (ACCT) of Toms River and Anna Tiadale Locke (99 ACCT) of Greece have formed a Clockwork Financial Services.

Heather Cnecka Hirschman (MGT) of Greensboro, N.C., is a Web site coordinator for the Atlantic Coast Conference.

Randy Johnson (FINMGT) of Charlotte, N.C., is a partner in the law firm of Kimberly Covington Lowdell & Hickman LLP.

Edward M. Manigault (FINMGT) of Greer have partnered to form Clockwork Financial Services.

Teresa Sarvis Coles (84 L&IT) and (FINMGT) of Winston-Salem, N.C., is vice president and partner with The Phoenix Co.

*Michael S. McManus (AGID), M ‘93 AGED) of Florence was elected Southern regional director for the National Association of Extension 4-H Agents. He’s a Clemson Extension agent and serves as a 4-H youth development agent in Marlboro and Chesterfield counties.

Chris J. Meirding (MGT) of Winston-Salem, N.C., is vice president and partner with The Phoenix Co.

Frank W. Fanning (90 ACCT) of Greenville.

*Mary C. Rigg Monetti (1982) of Greenville is a regional environmental health director for the S.C. Department of Health and Environmental Control.

Sara D. Parson (ACCT) of Three Bridges, N.J., practices law with Gebhard & Kuefer in Clinton and coaches competitive baseball teams. His 14-year-old and-under team, the Redding Renegades, won the Middle Atlantic Regional Championship and a berth to the Babe Ruth World Series. They finished fifth in the country.

*David K. (ANSC, M’00 AGED) and *Heidi Fanning (98 AGE, M ’99 AGED) Newton are married and living in Florence. He’s the Fox Dig district director for the S.C. Farm Bureau, and she’s the program manager for Credo-LLC.

*Heidi Fanning and (‘98 AGE, M ’00 AGED) of Florence received the Martinson Service Award and the National 25 Years of Service Award from the National Association of Extension 4-H Agents.

*Christine Cini (SP&COMM) and *Jon B. (CE, M ’92) are living in front of You. He’s an estimator for Howard Snowday & Son.

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Some potential financial aid is available to you through the Clemson Financial Aid Office. If you need assistance in determining your eligibility for financial aid, please contact the Financial Aid Office at (864) 656-1234 or visit their website at clemson.edu/financialaid.
**The Clemson Family**

**P.O.W.E.R.**

Penny Renee Ford ‘00, M ‘02

Psychology and human resource development graduate Renee Ford of Centerville, Ark., is an executive development consultant for the Global Talent Management team of the world’s largest retailer, Wal-Mart Stores Inc. Her primary responsibility is to develop officer-level executives for the Sam’s division of Wal-Mart Stores Inc.

Last year, she also co-founded a consulting firm, P.O.W.E.R. Motivational Speaking and Consulting LLC (www.powertraining.com). Ford has been recognized for outstanding performance in the area of diversity training. A highly sought-after mentor for young women in various professional arenas, she often speaks at local colleges and churches throughout the northwest Arkansas area. Ford is also collaborating with fellow members in her home church, Valley Harvest ministries, to establish a series of classes for teenage women.

**2002**

*Stephen E. Anderson (M BUSADM) of Winston-Salem, N.C., is an associate in the public finance investment-banking group at A.G. Edwards and Sons Inc.*

Jonathan D. Johnson (COMPSC) of Clemson is an application developer for eBridge Solutions in Greenville.

*Cheryl Ottinger Lang (M BUSADM) of Spartanburg is vice president and chief financial officer of Tindall Corp.*

P. Rean Smith (HIST) of Chicago, Ill., is executive protection underwriter, corporate professional liability for Chubb Corp.

**2003**

*Kathie Sanford Bobbitt (MGT) is living in Easley. Her business, Kinesis Development LLP, is a certified affiliate with Resource Development LLP.*

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**TOMORROW’S LEADERS**

Alumni support of the Clemson Corps is critical to the growth and enhanced mission-readiness of Clemson’s ROTC programs. Thank you to all who have joined the cause. You are making a difference in our efforts.

2002: 153 Army ROTC cadets have received scholarships since 1999.

2003: 155 Air Force ROTC cadets have received scholarships since 1999.

27 percent of the Army Cadet Corps is receiving aid this year.

27 percent of the Air Force Cadet Corps is receiving aid this year.

**Cadets Assisted by Clemson Corps Scholarship Endowment**

**www.alumni.clemson.edu/clemsoncorps.htm**

**1. E-database**

of employers sponsoring U.S. citizenship

2. National employment news ticker

3. Comprehensive career coaching CD-ROM

Delivering technology to help you land that job

Your lifetime connection to career development

Your educational career development.

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3. Comprehensive career coaching CD-ROM

Delivering technology to help you land that job

Your lifetime connection to career development

www.clemson.edu/isupportcu

www.clemson.edu/projects/update.htm

www.alumni.clemson.edu/clemsoncorps.htm

**Career Services**

Clemson Alumni Career Services

Your lifetime connection to career development

http://alumni.clemson.edu/career

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Your lifetime connection to career development

www.clemson.edu/isupportcu

www.clemson.edu/projects/update.htm

www.alumni.clemson.edu/clemsoncorps.htm

**Career Services**

Clemson Alumni Career Services

Your lifetime connection to career development

http://alumni.clemson.edu/career
Little Tigers


Courtney Morgan Jr. '95 adopted a daughter, Elizabeth Xiangming, from Jiangxi Province, China, Nov. 25, 2005.


Gina Malos Barrios '98, a daughter, Nicole Marie, Sept. 2, 2005.

Carlton Waller Ince '87, '98, a son, Carlton Waller III, Aug. 29, 2005.

Clemson World Travels


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The Clemson Family


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The Clemson Family


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Carlton Waller Ince '87, '98, a son, Carlton Waller III, Aug. 29, 2005.

Clemson World Travels


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Clemson World gives hometowns of deceased alumni — where they were from when they were Clemson students — to help former classmates identify them.

Clemson World Travelers

On the Road

These Clemson folks were part of a group from the Catholic Diocese of Charleston who attended World Youth Day in Cologne, Germany, last year. Pictured from left are Greg Jones, Walt Laiewski ’75, Judi Hicks ’76, Zach Hicks ’07, Peggy Sullivan Clinkscale ’77 and Margaret Ann Jones ’75.

Chinook watch

The S.C. Army National Guard received the first CH-47 Chinook helicopter stationed in the state earlier this year. The aircraft was piloted by CIVIL Tommy Perry ’82, pictured second from left. SSG Greg Castles ’94, fourth from left, was a crewmember. Battalion commander Lt. Col. Mark G. Dykes ’76 is third from left. Others in the photo are state aviation officer Col. Lester D. Eisner ‘76, fourth from left, was a crewmember.

Youngstown, Ohio, is pictured with several of his crew, includingCH-47 Chinook watch

Chief Donnie Hance. Youngstown, Ohio, is pictured with several of his crew, including Mark G. Dykes ’76 (left), James Mitchell ‘98, fourth from left, was a crewmember. Greg Castles ’94, fourth from left, was a crewmember. Battalion commander Lt. Col. Mark G. Dykes ’76 is third from left. Others in the photo are state aviation officer Col. Lester D. Eisner ‘76, fourth from left, was a crewmember. Greg Castles, first CH-47 Chinook helicopter stationed in the state, was piloted by Tommy Perry ’82, pictured second from left. SSG Greg Castles ’94, fourth from left, was a crewmember. Battalion commander Lt. Col. Mark G. Dykes ’76 is third from left. Others in the photo are state aviation officer Col. Lester D. Eisner (left), fourth from left, was a crewmember.

Making friends

Design graduate Patrick Howard ’90 of Youngstown, Ohio, is pictured with several Iraqi children during his service as a civil affairs officer. Howard and fellow officers dealt with properly issues with the Iraqi populace. In his civilian life, he’s a metropolitan housing director of development.

Club Chaos

Doctors “Matt Logan ’86 (r) of Greenwood and Allen Nielsen ’97 of Columbia pause in front of Pusser’s Company Store at Marina Cay in the British Virgin Islands. Both are members of Chaos Bay Yacht Club.

In Mosul

Army captains W. Clay Moody ’98 (left) and James Mitchell ’98 are in Mosul, Iraq, assigned to the 172nd Striker Brigade Combat Team from Fairbanks, Alaska. They took time for a photo after word of the Clemson vs. Carolina football game. In the meantime, wives Kellie Deford Mitchell ’98 and Kemer Baker Moody ’98 are stateside taking care of their families.

In the Oval Office

President George W. Bush recently thanked these Clemson alumni, most former residents of the Upstate, for their service as associate director in the White House Office of Cabinet Affairs. She continues to serve the Bush administration as senior adviser to the Federal Housing Finance Board. Pictured with Bushman in the Oval Office are her father, retired colonel Danny Rhodes ’88, chairman of the Clemson Corps; her mother, Rosemary; and her brother, Kevin ’00.

Katrina relief

Three Clemson alumni, nurse anesthesia students at the USC School of Medicine, helped with Katrina relief efforts in Biloxi, Miss., last fall. They are, pictured second from left, Benita Alley Branyon ’01, third from right, Heather Houston Edison ’88, M ’93, and second from right, Richard Wilson ’88.

D.C. marathon

Clemson alumni, from right, Matt Norman ’03, Caitlin Bissell ’04, James Stoller ’94, Stephen “Buck” Buckingham ’97 and Katie Madding Buckingham ’01 finished the 30th Annual Marine Corps Marathon held in Washington, D.C., last October.

In Portugal

Graduate student Alexander Walker ’04 presented work at a conference for psychophysiological research last summer in Lisbon, Portugal. He’s pictured right with Clemson psychology professor and mentor Eric R. Muth.

Johnstone reunion

These alumni, most former residents of the Upstate, gathered each year for their own reunion. Pictured behind the flag, from left, are Kevin Scalabrin ’84, second from right, and Logan Lyles.

Passings

H. Carlisle Booth ’31, Sumter
Alam M. Johnstone ’32, Newberry, charter member of IPTAY
Cornelius Franklin Earnhardt Jr. ’33, Spartanburg
Kelly F. Traynham ’34, Watse Shoals
William F. Hancock ’38, Ruby
Terry Edward Richardson Sr. ’38, Barnwell
Henry Elbert “Bobby” Avent Sr. ’39, Bennettsville
Joseph Gordon Smith ’39, Clearwater, Fla.
Walter L. Hicks Jr. ’40, Forest City, N.C.
Charles L. Beaudroit ’41, Greenwood
W. McAlpin “Mack” Alberge Jr. ’42, Columbus
John F. Hare ’43, Elmira, N.Y.
John V. Cathcart ’44, Bishopville
James E. Herlong ’44, Saluda
Willis E. “Pete” Sanders Jr. ’46, Ulmer
Roy B. Toms ’47, Iva
James N. Young ’48, Florence
Lawrence G. Adams ’49, Seneca
Ernest L. Corley Jr. ’49, benefitor of the Ernest L. Corley Jr. Trustees Chair, Saluda
John F. Hicks Sr. ’49, York
Arthur D. Plowden Jr. ’49, Sumter
Allen P. Pellett ’50, Greenville
Carl R. Rogers ’50, Drayton
William P. White ’50, Greenville
James T. Craig Se. ’51, emeritus professor of agricultural engineering, Pickens
Herman E. McCull ’51, Hendersonville, N.C.
William E. Branyon ’52, Honea Path
Harry M. Lightsey Jr. ’52, HD ’94, Columbia
Thomas E. Matthews ’53, Charlotte, N.C.
Rhett B. Myers ’54, Moncks Corner
Harry O. Rhodes ’54, Walhalla
Robert M. Carter ’55, Walterboro
Bill G. Page ’56, Tabor City, N.C.
James A. Timmerman Jr. ’57, M ’59, HD ’03, Pebble Mill
Lanny W. Moore Sr. ’58, Bradley
Raymond P. Masneri ’60, California, Pa.
Clarence E. Putman ’60, Gastonia, N.C.
Robert M. Simril ’61, Rock Hill

On the Rhine

and her brother, Kevin ’00.

Eric R. Muth

Clemson psychology professor and mentor Eric R. Muth.

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Club Chaos

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Crazy Chaos director of development.

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Among best hires

Clemson’s graduate program in architecture ranks 13th in an annual survey of America’s best architecture and design schools. DesignIntelligence, journal of the Design Futures Council, conducts the survey among a cross-section of firms, including award-winning leaders in the field. Those surveyed were involved in hiring or performance evaluating of new hires. They were asked to reflect on graduates hired during the past five years and to consider how prepared they were for real-world practice.

The journal rates the top 15 graduate and graduate programs. Harvard topped the list. Clemson tied with UC-Berkeley. For more information about Clemson’s School of Architecture, visit the Web at www.clemson.edu/cas/architecture.

‘Clemson’s centerpiece’

American Ceramic Society Bulletin (January) highlights Clemson’s new Advanced Materials Research Lab (AMRL) in the Clemson Research Park. The $21 million facility includes Clemson’s Center for Optical Materials Science and Engineering Technologies (COMSET). A Research Center of Economic Excellence, COMSET has generated more than $300 million in sponsored research grants since its founding in 2000 as a research unit of the College of Engineering and Science.

Clemson is one of only a few universities in the world with industry-level optical fiber fabrication capabilities, including a custom-designed high bay area for optical fiber draw and preform fabrication. For more on COMSET, go to comset.clemson.edu.

First sighting!

Last fall, scientists, including Clemson astrophysicist Dieter Hartmann, identified an explosion from one of the most distant objects known to mankind, possibly one of the first stars ever formed in the universe, known as GRB 060206. Their findings appear in Nature (March).

More recently, Hartmann and Clemson students observed the gamma-ray burst known as GRB 060206 using the 0.9-m SARA telescope at Kitt Peak National Observatory in Arizona. It’s the most distant object ever detected by the Southern Association for Research in Astronomy (SARA), a collaboration of Clemson and five other universities. (For more on Hartmann’s work, see p. 7.)

— Courtesy of Jonathan Carter

First sighting! Last fall, scientists, including Clemson astrophysicist Dieter Hartmann, identified an explosion from one of the most distant objects known to mankind, possibly one of the first stars ever formed in the universe, known as GRB 050904. Their findings appear in Nature (March).

More recently, Hartmann and Clemson students observed the gamma-ray burst known as GRB 060206 using the 0.9-m SARA telescope at Kitt Peak National Observatory in Arizona. It’s the most distant object ever detected by the Southern Association for Research in Astronomy (SARA), a collaboration of Clemson and five other universities. (For more on Hartmann’s work, see p. 7.)
Wachovia commits $1 million to two Clemson programs — Call Me MISTER and Emerging Scholars — to encourage higher education to S.C. youth who’ve never considered it an option.

Pictured during the presentation at the Clemson vs. Maryland men’s basketball game (from left) are Justin Ballenger ’04, Call Me MISTER candidate; Byron Wiley, Call Me MISTER director; Jared Wright, Wachovia Clemson market president; Kendall Alley, South Carolina Wachovia president; and Jim Barker, Clemson president.

Through the Wachovia Foundation Mentors and Scholars Program, $700,000 of the gift will provide scholarships for Call Me MISTER, as well as enhance the Call Me MISTER Leadership Academy by creating a direct mentorship program with Emerging Scholars. The remaining $300,000 will fund a class of 30 Emerging Scholars students. At the end of the program, scholarship support will be available to students who decide to attend Clemson.

Call Me MISTER was launched by Clemson to recruit, train, certify and secure employment for African American men to teach elementary school in South Carolina. The Emerging Scholars Program reaches out to S.C. high school students in economically challenged counties to provide them with the knowledge and skills they need to succeed in college.

Table with a view

The Class of 1989, the Clemson Centennial Class, presented the first of eight new commissioned stonework picnic tables in the S.C. Botanical Gardens earlier this year. The Class of 1989 Picnic Fund project is scheduled for completion in 2009 upon the class’s 20th anniversary.

The Picnic Garden project will include a handicap-accessible, paved walkway leading from the parking lot in the S.C. Botanical Garden into the picnic area and other portions of the Heritage Gardens, an initiative of the Class of 1939. New tables and benches will have views of the Heritage Pond and the Hosa Garden.

Managing the project are Class of 1989 Picnic Fund committee members, pictured from left, Karen Kay Walden, A. Chad Sanders, Russell B. Herbet III, Eugene D. Weston Jr., G. Michael Nelson and chairwoman Michele Bolton Welch. (Members not pictured are Terry Brady and James Rootes.)

‘Raiser’s Edge’

We at the Clemson Alumni Association, the Clemson Fund and the Clemson University Foundation have upgraded our data and gift management system in order to provide you with better and more efficient service. But we need your patience while we get the system in place.

Installing new alumni and fund-raising information technology was necessary to keep pace with Clemson’s growth and to support the University’s rise in national rankings and reputation. The new system is called “The Raiser’s Edge” and is a product of Blackbaud, a firm based in Charlotte.

You’ll notice some differences in information and responses that you receive from Clemson. For example, your gift acknowledgment will look different.

We’ll need your help in making sure that your records have been properly and completely transferred from the old system to the new one. Please check any address labels or gift acknowledgments that you receive from us and let us know about any errors. You may phone in your corrections to Amy Corkum at (864) 656-5986 or Janis Winters at (864) 656-2345, return the information in any Clemson Fund or Alumni Association envelope, or send an email to cfund-L@clemson.edu.

New officers

Clemson has three new development officers on its team of fund-raising staff. Ann Marie Alexander is the senior director of development for the College of Engineering and Science. Chris Peters ’91, M ’93 is a major gifts officer focusing on University initiatives. Rob Porter ’93 is the development officer for the arts and humanities division of the College of Architecture, Arts and Humanities.

Alexander, a Clemson native, worked in marketing for Mitsubishi and Co., Inc., an international trading company, in New York City for 11 years. She earned a bachelor’s degree in East Asian studies and French at Duke, a master’s in international affairs from Columbia University and an MBA from Fordham University. She also taught English in Japan.

Peters, previously a sales executive with Cerner Corp. in Kansas City, Mo., has a bachelor’s degree in financial management and an MBA, both from Clemson. Before working at Cerner Corp., he was the director of development for the Pi Kappa Alpha Educational Foundation. He’s been an Alumni National Council member, president of the Mid-South Clemson Club and an IPTAY representative. He’s also a member of the Tiger Letterman’s Association, having earned three varsity letters as the Tiger mascot.

Porter, a Clemson business administration graduate, comes from the Vanderbilt University School of Law where he worked as the associate director of development. While at Vanderbilt, he built a successful major gifts program for the law school. Before that, he worked as executive director for First Priority of Middle Tennessee Inc. He also holds a master’s degree in Christian education from Southeastern Baptist Theological Seminary.

Commitment

Wachovia commits $1 million

For many of us, it’s often difficult to understand today’s numerous changes in the tax laws and to recognize the widest opportunities when they arise. In this rapidly changing economic climate, now more than ever, sound gift planning can enable loyal alumni and friends of Clemson to prepare for both their own and their families’ futures while supporting the University as a treasured resource for future generations of students.

Planned giving encompasses a wide variety of gift options that enable donors to provide financial benefits for themselves and their families and to make significant charitable gifts to the University. As Clemson faces challenging shifts in its traditional sources of income, we must rely increasingly on the generosity and commitment of dedicated alumni, parents and friends.

Is it time to review your will?

Preparing a will is the best way to be sure your property is distributed according to your wishes, but keeping your will up-to-date is essential. You should review your will periodically, especially when there are changes in personal circumstances, your financial situation or the tax laws.

Here are some situations that should trigger an immediate review of your will:

• Marriage, divorce or remarriage
• Additions to the family
• Death of someone named in the will
• MISTE’s charitable tax deduction
• Change in financial status or in your beneficiaries’ wishes
• Move to a new state or country
• Relocation to another state

Planning your estate is a priceless privilege. You can determine how, when and to whom your assets will be distributed: name the executor who will manage your estate according to your wishes; create trusts for the benefit of your spouse, children or others; reduce the burden of federal estate taxes; and provide for those charitable organizations to which you are devoted.

When to start?

The best time to review your will is now. Don’t put it off. It’s astounding how much time we spend on planning a vacation, and yet most people neglect the opportunity to plan for the future distribution of their assets. We encourage you to review your assets and your estate documents today.

If you are making minor changes to your will or asset distribution plan, it may not be necessary to rewrite the document entirely. With the help of your attorney, many adjustments can be accomplished through a codicil or will supplement.

You may also effect significant change by reviewing your beneficiary designation forms for retirement and tax-deferred accounts. These are the most heavily taxed — if left to someone other than your spouse — and they make excellent charitable gifts because nonprofit organizations avoid all of the tax liability.

The Clemson Legacy

If you think a bequest commitment would not have a significant impact on the future of the University, a simple walk through our campus will remind you of the astounding vision and generosity of Thomas Green Clemson and many other individuals who have followed in his footsteps to provide small, medium and large bequests to create or enhance specific programs. Clemson University is a premier institution today because many individuals have utilized the power of their pen to support academic and athletic programs during their life and/or through a bequest.

When making your financial plans, and as you review your intentions for your family and those organizations close to you, consider how one man’s generosity nearly 120 years ago has made a lasting and unmistakable impact — this extraordinary institution. The legacy you leave may do the same.

For more information

Please let us know how we can help you. The staff at Clemson University’s Office of Gift and Estate Planning is ready to assist you in exploring financial and estate planning options that could benefit you and your family as well as Clemson. If you’ve made plans for Clemson in your estate plan, please let us know. We would be honored to induct you into the Clemson Legacy Society and thank you for your thoughtful generosity. We will honor all requests for anonymity. Please call Alanha J. Ang, senior director of gift and estate planning, at (864) 656-5663 or (800) 699-9153 for more information.
Men’s Rugby — one of Clemson’s oldest and most competitive club sports — was ranked 14th in the nation last year, with an All-America selection, five All-South All-Stars and 17 Regional All-Stars. The team’s head coach was chosen as the 2004 Collegiate All-America Coach.