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THANK YOU for supporting Clemson’s transformation from a respected state school into one of our nation’s finest public universities. We are determined to build an even stronger Clemson.

That’s why we’re counting on Clemson people everywhere to show their “Determined Spirit” as we enter the final months of The Will to Lead: A Campaign for Clemson— an effort to raise $600 million by July 2012 to support students and faculty, and provide an exceptional education.

Your annual gift to the Clemson Fund counts as a campaign gift and demonstrates your determination to build an even stronger Clemson. Use the enclosed envelope, call 864-656-5896 or go online to clemson.edu/giving.

It’s not too late to get your limited-edition calendar created for Clemson Family members who are showing their determination to lead in 2012. Make a gift to the Clemson Fund, and we’ll send you this full-color wall calendar to show our appreciation for all that you do for Clemson. See the enclosed gift envelope for details.

Make your gift by Feb. 13, and you’ll be eligible to enter a drawing for two tickets to the Clemson vs. NC State basketball game on Feb. 25.
Features

12 Inside the new Walter Reed — Meet two Clemson alumni who helped accomplish a major feat in medical care for wounded service men and women.

16 Going Nuclear — Clemson researchers, educators and graduates are helping ensure the safety and reliability of U.S. nuclear energy plants.

20 The Clemson Ring — See what the Alumni Association is doing to continue the legacy of the Clemson Ring.

22 No-holds-barred design — Design students take on Hilton Head on their way to becoming professionals.

EXTRAS ON THE WEB

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Check out the University’s social networks page for Facebook, YouTube, LinkedIn, news and calendar feeds, and much more at clemson.edu/campus-life/social-media/index.html.

See the University’s Flickr site at flickr.com/photos/clemsonuniversity/collections for photos from campus, vintage collections, regional events and more.

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Cover photo: Patrick Wright
President’s View

Clemson is committed to 21st century agriculture

The University invests more research dollars in agribusiness than any other industry sector.

This year we celebrate the 150th anniversary of the Morrill Act, which established our nationwide system of public land-grant colleges. How remarkable is that?

In the midst of our nation’s biggest crisis, the Civil War, Congress voted in 1862 for a revolutionary idea — public higher education in agricultural science and technology for the children of farmers and working families.

Some have called the Morrill Act the first GI Bill. And it was a dream and a cause supported by our determined founders, Thomas and Anna Clemson.

As we approach this anniversary while also working to implement the new Clemson 2020 plan, it is timely to ask: Is Clemson University still committed to its historic mission as a land-grant university and to agriculture?

The answer is a definite YES! You might be confused about that if you read a media report last fall from a lively town meeting of faculty and students in the College of Agriculture, Forestry and Life Sciences (CAFLS). It said: “Students can no longer major in agriculture.”

Technically true, but extremely misleading. Students can’t major in “business” at Clemson, either. But they can major in accounting and finance, management and marketing in the College of Business and Behavioral Science (CBBS).

In the same way, CAFLS offers undergraduate majors in agricultural education; animal and veterinary science, with a concentration in animal agribusiness; food science and human nutrition; horticulture; packaging, including food packaging; soils and sustainable crop systems; and turfgrass. Not to mention biochemistry, genetics and microbiology — all things needed by modern agriculture. We continue to support and recruit new students in all of these majors.

Clemson’s new 2020 plan does not retreat from agriculture. The field is foundational to our University. It’s part of our history; it is part of our future. That will never change.

What has changed is how Clemson is organized internally to serve students and agribusiness in response to significant state budget cuts and equally significant changes in the industry itself.

Some majors are being phased out or combined because of low demand from students and the job market — and not just in CAFLS. We also no longer offer degrees in textiles, ceramic engineering or engineering technology for the same reasons.

The University has an obligation to review data on enrollment and degree production and make periodic changes to the curriculum. This goes on routinely for all colleges. But the changes are phased in, and all current students will be able to complete the degree programs they enrolled in.

For example, CBBS has fully committed to support students in current programs transferred through the merger of faculty from the former Department of Applied Economics and Statistics into the Department of Economics. The business college will continue to offer a minor in agricultural business management, as well as graduate programs in applied economics where there is student demand.

Looking forward, Clemson University’s commitment is to agriculture as it exists today and in the future — not to the agriculture of our founder’s day when the majority of South Carolinians worked directly in farming.

Modern agriculture is a complex, sophisticated, high-tech, high-risk, high-reward economic activity. Agribusiness has a $34 billion economic impact in our state when you include agriculture, forestry and related industries. Clemson alumni from many disciplines work actively in this sector.
Through all of its programs in teaching, research and public service, Clemson is dedicated to the success of South Carolina agribusiness. We owe it to our students and our partners in the industry to focus these efforts where the industry is headed and where Clemson is strongest.

This was the message we heard from Dr. Catherine Woteki, chief scientist of the U.S. Department of Agriculture, when she was our Fall Academic Convocation speaker in August. This was the message I shared with the South Carolina Farm Bureau at its annual convention in December.

Despite losing nearly half of our state funding for PSA — the separate state agency that supports agriculture and forestry research, Extension and regulatory programs — Clemson has not closed a single animal farm, county office or off-campus Research and Education Center.

The Experiment Station is focusing its research funding in eight core areas: animal production, horticultural crops, agronomic crops, biotechnology, food safety and nutrition, community and economic development, water quality and quantity, and forest and natural resources.

Clemson invests more research dollars in agribusiness than any other industry sector.

I’ll share just one example: Our researchers are leaders in the field of precision agriculture. This means using the latest digital sensing technology to deliver water and chemicals in the right amounts at the precise time and place where they are most effective, thereby increasing yields, saving water, saving money and helping the environment. This requires collaboration across disciplines, including computer science.

The College of Agriculture, Forestry and Life Sciences is focusing its academic programs on sustainable agriculture and forestry; food and packaging systems to ensure safe, nutritious food; and biomedical science to improve human and animal health. Enrollment in CAFLS is up 12 percent, and the college plans to hire 20 new faculty members in the coming years.

Clemson is also investing $50 million in new facilities for CAFLS. A Life Sciences building, now under construction on our campus, will support teaching labs and cutting-edge research.

Thomas Green Clemson wanted a school to teach agriculture and engineering (which he called “mechanics”) in order to grow and diversify South Carolina’s economy. In that, he succeeded. And in his wisdom, Mr. Clemson vested in his Trustees the power to change the curriculum to suit changing times.

Times have changed, but food, fiber, shelter and clean water will never go out of style. And Clemson University will always offer degree programs in agriculture, forestry and natural resources that prepare students to meet these essential needs.

James F. Barker, FAIA
President
Preparing skilled aviation, automotive workforce

CLEMSON AND PARTNERS WILL DRIVE A STATEWIDE INITIATIVE TO CREATE A SKILLED workforce for South Carolina’s leading aviation and automotive industries.

Collaboration among the University and technical colleges and industry in three key regions — Florence-Darlington in the Pee Dee, Greenville in the Upstate and the Charleston area of the Lowcountry — will provide technicians for the state’s new manufacturing industries that most need labor with specific skills.

Funded by a $2.3 million National Science Foundation grant, the program establishes the Clemson University Center for Workforce Development, a center for aviation and automotive technology education that will use virtual and distance learning. For more information, contact Anand K. Gramopadhye, associate vice president for Workforce Development and chairman of Clemson’s industrial engineering department, at agramop@clemson.edu or 864-656-5540.

Deep Orange 2

CLEMSON AUTO ENGINEERING students showcased Deep Orange 2 at the 2011 Specialty Equipment Market Association show in Las Vegas in November. Deep Orange 2 is the latest prototype vehicle designed and engineered by CU-ICAR automotive engineering students. As part of Clemson’s graduate automotive engineering program, students create and manufacture a new vehicle prototype each year with a new market focus and technical objectives.
TigersTeach recruits engineering and science students

Educators are working to attract schoolteachers from a previously untapped resource — Clemson students in engineering and science majors — through a new scholarship initiative.

The effort is funded by a five-year, $1.2 million grant from the National Science Foundation Robert Noyce Teacher Scholarship Program, and it’s a collaboration among Clemson’s colleges of Health, Education and Human Development; Engineering and Science; and Agriculture, Forestry and Life Sciences.

The TigersTeach Noyce Scholarship Initiative will provide $10,000 scholarships to 30 undergraduate or graduate students from the science, technology, engineering or math disciplines to enroll in an undergraduate dual-degree program or enter the Master of Arts in Teaching program.

School districts in Greenville, Anderson, Oconee and Pickens counties are partners in the project. Students in TigersTeach will learn from veteran scientists and teachers, participate in professional conferences and work with local schools and agencies.

For more information, contact Michael Padilla, director of the Eugene T. Moore School of Education, at padilla@clemson.edu or Melanie Cooper, Alumni Distinguished Professor of Chemistry Education, at cmelani@clemson.edu.

Public policy at Princeton

Senior political science major
Dominique Jordan was one of 34 students nationwide chosen to be a part of a Public Policy and International Affairs Junior Summer Institute at Princeton. The seven-week program gave students the opportunity to prepare for graduate study or professional careers in international policy. She met a distinguished group of scholars that included former U.S. Ambassador to Iceland James Gadsden and acclaimed author Wes Moore.
Advancing sustainable vehicle systems

Clemson's Automotive Engineering Program has received a $1 million competitive award from the U.S. Department of Energy that will create a center for research and education in sustainable vehicle systems.

Established by the U.S. Department of Energy's Graduate Automotive Technology Education division, the center, to be headquartered at CU-ICAR, is one of seven in the country.

The goal of the center is to help overcome technology barriers in the design and development of high energy-efficiency and low environmental-impact vehicle propulsion systems by integrating graduate education and research.

This synergy of research, education and industry with government involvement is a prime example of how Clemson prepares its students to be leaders in their fields of study. For more on the center, contact Imtiaz Haque at sih@clemson.edu or 864-656-7228.

The Will to Lead: A Campaign for Clemson has created 297 scholarships and fellowships and 93 endowed chairs, professorships and faculty support funds.

Excavating in Peru

Students of Anthropology Professor Melissa Vogel experienced an archaeology field studies course in Casma Valley, Peru, focusing on urbanism and the development of the ancient city. While excavating the site, they put to use what they learned in the classroom and brought back their experience to campus. Vogel spends every summer on site with a team of locals and Clemson students.

Clemson first for Hitachi’s powerful microscope

Clemson now has one of the world's most advanced electron microscopes that will further the University's leadership in nanotechnology and materials research.

Thanks to a strong partnership, Hitachi High Technologies America Inc. chose Clemson for the first university installation of the Hitachi NanoDuet NB5000 Focused Ion and Electron Beam System.

The electron microscope enhances the ability of Clemson's Advanced Materials Research Laboratory to conduct research and advanced sample preparation for industry partners and academia, and affords Hitachi another location in which to showcase its products to the public and private sectors.

The ability to offer private companies the chance to examine and analyze materials for research and development on such sophisticated equipment means the University and Hitachi can forge working relationships with a wide array of sectors.

The laboratory is part of the Clemson University Advanced Materials Center in Anderson. Go to clemson.edu/cuadvancedmaterialscenter for more information.

Constructing in Vietnam

Architecture students Suzanne Steelman and Joel Dixon interned with Steelman Partners Vietnam where they interacted with projects under construction. They took surveys onsite, met with contractors and worked on drawings, while experiencing the culture.

DYK?

The Will to Lead: A Campaign for Clemson has created 297 scholarships and fellowships and 93 endowed chairs, professorships and faculty support funds.
All eyes on Clemson exhibit at Vegas packaging expo

THE LATEST IN EYE-tracking technology was in focus at the Sonoco Institute of Packaging Design and Graphics’ exhibit at PACK EXPO in Las Vegas last fall. The 3,600-square-foot exhibit showcased the educational programs of the Sonoco Institute and served as a unique laboratory for an innovative consumer research experiment in eye-tracking. Most eye-tracking research is done in a virtual world looking at a large screen. But Clemson’s is groundbreaking because it takes place in real time in a real shopping environment.

Students invited visitors to the exhibit to participate in a research experience as high-tech shoppers. The participants put on digital eye-tracking glasses that recorded their eye movements at 30 movements per second and showed on a computer where they looked and what attracted their attention.

The experiment took place in a simulation of a small mini-mart: the 1,000-square-foot CUshop designed and built at the Sonoco Institute, disassembled and shipped to Las Vegas. When reassembled, the CUshop was complete with shopping aisles and shelves of items commonly found in a grocery store. For more on the project and the Sonoco Institute, go to sonocoinstitute.com.

Norvilles’ One Clemson gift supports education and athletics

When a teenaged Mitch Norville pondered what he should study at Clemson, his dad’s advice tipped the scales in favor of engineering. Now, 35 years later, the son’s gift to his alma mater will endow an engineering chair in his father’s honor.

A $1.5 million gift from Mitch and Carla Norville will be used in part for the Ernest R. Norville Endowed Chair in Biomedical Engineering. A portion of the gift, $250,000, will be used to help build a new basketball practice facility adjacent to Littlejohn Coliseum.

Mitch Norville is executive vice president and chief operating officer for Boston Properties Inc., one of the nation’s largest owners, managers and developers of Class-A office properties, concentrated in Boston, D.C., Midtown Manhattan, San Francisco and Princeton. He has been involved with more than 7.5 million square feet of new development and renovation projects with the firm.

A 1980 graduate of Clemson’s mechanical engineering program, Norville also earned a Master of Business Administration degree at the University of Virginia. He serves on the board of the Clemson University Foundation, Clemson’s Advancement Board for Real Estate Development and the President’s Advisory Board.

For the second year, Clemson University’s alumni participation is third highest among public research universities in the nation, according to U.S. News & World Report. The rankings are based on the percentage of alumni who donate to their alma maters.
Spectacular view!

The Clemson University Planetarium in Kinard Laboratory of Physics is open to the public for custom and regularly scheduled shows.

The room is equipped with a refurbished 24-foot dome, all new seats, and a Digistar4 digital simulator system with HD projectors. The planetarium, which is handicap accessible, seats 40 visitors.

Shows touch on a wide variety of astronomy and astrophysics topics including the sky tonight, a flight through the universe, close-up visits to our planets, the lives of the (true) stars and a tour of Wonders of the Universe. For information on public shows or scheduling group shows, contact the Visitors Center at clemson.edu/visitors or 864-656-4789.

Clemson’s ‘Intelligent River’ to monitor Savannah River water quality

THE NATIONAL SCIENCE FOUNDATION HAS AWARDED $3 million to Clemson to design, develop and deploy a basinwide network of computerized sensors to monitor water quality along the entire length of the Savannah River.

Clemson’s interdisciplinary research initiative — "Intelligent River" — deploys a network of environmental sensors along the 312-mile Savannah River. This network will provide real-time data on water quality and flow rate at a scale that until now was cost-prohibitive. The data is critically needed to improve water resources management as demand increases for drinking water, hydroelectric power, recreation and industrial production.

A battery-operated computer, called MoteStack, is inserted into a buoy system anchored to the river floor. It processes the data from an array of sensors and transmits it to Clemson’s high-performance computing system.

The Intelligent River initiative seeks to transform the science and business of managing natural resources at the landscape scale and reflects the worldwide quest for earth-monitoring technologies. For more on Clemson’s initiative, go to www.intelligentriver.org or contact Gene Eidson, director of Clemson’s Institute of Applied Ecology, at geidson@clemson.edu or 864-656-2618.
In 2011, S.C. peach production exceeded 100 million pounds and contributed more than $60 million to the state economy thanks to Clemson PSA and researchers who keep growers up-to-date on the latest in fruit production.

Clemson students have excellent taste!

FOOD, NUTRITION AND PACKAGING SCIENCE STUDENTS RECENTLY WON THE national 2011 Danisco Knowledge Award competition with a cleverly packaged, spicy, zippy, healthy chip-and-dip recipe that netted the team $10,000. “Farmer Chad’s Very Veggie Dip with Gluten-Free Chips” is packaged in a 3-by-3-inch cardboard tube with Farmer Chad featured against a farm background. The snack is aimed at busy people looking for a nutritious snack on the go, is only 185 calories per serving, and fits into a vegan diet, as well as a backpack.

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Hilliards provide leadership in sustainable environment

IT’S FITTING THAT A CLEMSON MAN HONORED BY HAVING A WATERFALL NAMED for him would endow his alma mater with a professorship in environmental sustainability. Business leader, environmentalist, arts patron and education advocate R. Glenn Hilliard and his wife, Heather, have provided Clemson with a $1 million endowment to teach generations to come to treasure and manage the dynamic balance between the natural and human-made worlds. The Hilliard gift qualifies Clemson for a dollar-for-dollar match from the state, creating a $2 million professorship.

The Glenn ’65 and Heather Hilliard Endowed Professorship in Environmental Sustainability will be a leadership position in Clemson’s Center of Economic Excellence in Sustainable Development.

The Hilliard legacy will permanently fund a faculty post in the College of Agriculture, Forestry and Life Sciences, where the center resides.

Hilliard earned an English degree at Clemson in 1965, then a law degree at George Washington University and worked in D.C. for the late state congressman William Jennings Bryan Dorn.

Since then, he has led Liberty Life Insurance Co., ING Americas and CNO Financial Inc. He’s CEO of Hilliard Group LLC, an investment and advisory firm in Atlanta, director of Columbia Funds Trust and chairman of the board of Banc of America Funds Series Trust. An Alumni Distinguished Service Award recipient, he’s also on the board of the Clemson University Foundation.

Air Force ROTC holds POW/MIA ceremony

FOLLOWING CLEMSON’S AIR FORCE ROTC’S ceremony for POW/MIA Day last fall, the flag was lowered and members and member candidates of the Arnold Air Society kept a 24-hour continuous silent guard of a bamboo cage outside Tillman Hall.

Historian extraordinaire — keeps going and going

UNIVERSITY HISTORIAN, PROFESSOR EMERITUS and Clemson icon Jerry Reel recently received the Governor’s Award in the Humanities, presented by the S.C. Humanities Council, for a lifetime of outstanding achievement in humanities research, teaching and scholarship; excellence in defining South Carolina’s cultural life to the rest of the world; and exemplary support for public humanities programs. Reel is pictured signing a copy of his recent book The High Seminary, Volume 1: A History of the Clemson Agricultural College of South Carolina, 1889-1964. And Volume 2 is already in the works!
Next-gen transport systems

TWO OF UPSTATE SOUTH CAROLINA'S TOP ECONOMIC DEVELOPMENT TEAMS — CLEMSON UNIVERSITY INTERNATIONAL Center for Automotive Research (CU-ICAR) and the S.C. Technology and Aviation Center (SCTAC) — have partnered to drive research into next-generation clean transportation systems and develop an innovative mobility initiative.

The partnership will build on the successful public-private business model at CU-ICAR to develop part of the nearby SCTAC property into a test bed for new vehicle and infrastructure technologies.

Research will focus on advanced vehicle-to-infrastructure interaction, such as charging-in-motion and high-bandwidth wireless networks. This partnership will play a key role developing standards for clean transportation and networked ecosystems.

SCTAC already is home to a diverse mix of technology and aviation companies. For more information, contact Joachim Taiber of CU-ICAR at jtaiber@clemson.edu or 864-906-6161 and Jody Bryson of SCTAC at jody.bryson@sc-tac.com or 864-420-0220.

Habitat for Humanity build gets power boost

FOR NEARLY TWO DECADES, CLEMSON STUDENTS, FACULTY, staff and other volunteers have celebrated Homecoming with a Habitat House build on Bowman Field. This year for the first time, the Biosystems Engineering Sustainable Biofuels Initiative group, along with the help of the President’s Commission on Sustainability, provided a five-kilowatt biodiesel generator to supply power for tools and lighting during the build.

Family establishes Lund Endowed Chair in Agricultural Science

The Lund family has endowed a chair in agricultural science in memory of their patriarch, Carl Lund Sr., shown in the portrait. Pictured from left are Christina (Davis) ‘99, Carl “Mickey” Jr. ‘68, Carl III ‘92, Jens (student) and Scarlett. Mary, widow of Carl Sr. ‘48, is seated.

THE NEW $1.25 MILLION CARL MCHENRY LUND Endowed Chair in Agricultural Science at Clemson continues a legacy for excellence in agricultural innovation that Carl Lund and his wife, Mary, began more than two decades ago.

They created the Lund Professor of the Year Award Endowment in the College of Agriculture, Forestry and Life Sciences in 1987. Their dream was also to establish a permanent endowed chair position to attract a top researcher and excellent teacher. Carl Sr. passed away in 2002, but thanks to Carl Jr., his wife, Scarlett, and Mary Lund, that dream has become a reality. And it will impact countless Clemson students for decades to come.

Carl Sr. earned a Clemson degree in agricultural engineering after serving in World War II and receiving a Bronze Star. He spent several years with farm equipment manufacturer J.I. Case and then returned to Clemson to teach and earn a master’s degree. In 1955, he joined Ford Motor Co.’s tractor and farm implement division, where he championed the Ford Tractor 9000 series.

Mary lives on the family farm near Pendleton where she’s writing a book about the time of dramatic transformation and technological revolution in agriculture that she witnessed with her husband. She has received numerous awards for her Southern historical work. Carl Jr. recently retired from his medical practice. He and Scarlett manage a farm in Williamston.

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Meet two Clemson alumni who helped accomplish a major feat in medical care for our wounded service men and women.

When the historical Walter Reed Army Medical Center in D.C. recently combined operations with the National Naval Medical Center in Bethesda, Md., into what is now the biggest and best military medical facility in the world, two Clemson alumni had major roles.

Navy Capt. Steve Hamer, a 1987 civil engineering graduate, was in charge of construction for the new Walter Reed National Military Medical Center — all 2.5 million square feet of it — at the Bethesda site.

Navy Capt. Betsy Booth Myhre, a 1987 nursing graduate, was head of operations for the integration and transition of staffs, departments and patients from Walter Reed Army Medical Center to the new hospital in Bethesda and another new medical facility at Fort Belvoir, Va.

Choosing Clemson

Both Hamer and Myhre grew up in South Carolina. Hamer, who was from the tiny town of Nichols, liked Clemson from an early age. But he really got hooked on coming to the University in his teens.
“Although I looked at several universities in the Southeast, what locked Clemson in for me is that I’d had a wonderful experience attending engineering workshops at Clemson when I was in high school,” says Hamer. “For two summers I spent a few weeks living on campus, having a great time, getting exposure to engineering and working with engineering professors at Clemson. That made it an easy choice.”

Myhre, from the much larger city of Charleston, followed her sister Cindy Booth Hines ’85 to Clemson. “I loved the wonderful campus, size of the student body, academic programs and, of course, the football,” she recalls. “And because I was interested in science, medicine and working closely with people, Clemson’s nursing program was a perfect fit.”

As fate would have it, Myhre and Hamer sat beside each other in freshman chemistry class, but their paths wouldn’t cross again until after graduation when both were in the Navy — Hamer with Navy Civil Engineer Corps and Myhre with Navy Nurse Corps.

From really big picture to smallest detail

When Steve Hamer was named Officer in Charge of Construction, Bethesda for the mammoth project in 2010, he realized that it was the assignment of a lifetime. And one that he’d prepared for throughout his career — from the Persian Gulf to the Pentagon, earning medals and commendations along the way, including the Legion of Merit and the Iraq Campaign medal.

The huge endeavor was part of the U.S. Defense Base Realignment and Closure (BRAC) program to consolidate and realign military health care.

“I was assigned to the Pentagon prior to this assignment and had been curiously watching this project’s progress and also sitting in on briefs about it,” says Hamer. “My interest and fascination were already extremely high, so when I was notified that I’d be the one completing the work I was excited and delighted.”

Projects to create the new Walter Reed National Military Medical Center were many and massive and with a deadline of September 2011. Two of the main ones were the 515,000-square-foot outpatient facility and the 162,000-square-foot inpatient facility with a new emergency department and intensive care unit.

Another 390,000 square feet of the existing hospital (National Naval Medical Center) was renovated. Other key projects included a new Wounded Warriors Barracks, a dining hall, administrative offices, a fitness center and three new parking structures.

Patients first — 24/7

A major challenge was the timeline. “The completion date of Sept. 15, 2011, was congressionally mandated,” says Hamer. “There was no room for error that would cause the project to be delayed even a day.”

One of the greatest challenges was that construction had to be carried on while the two existing major facilities continued critical medical care and operating in general.

“We were charged with doing extremely large scale and complex work within a very busy military hospital with a significant and ongoing casualty influx. It was a tall order to make sure that our round-the-clock, seven-days-a-week execution of intense construction had no impact on patient care,” says Hamer. “Safety and infection control are always paramount in any project, but even more so in a busy hospital.”

To ensure a smooth integration and transition of the hospitals, the Defense Department established JTF CapMed (Joint Task Force National Capital Region Medical).

JTF CapMed was charged with coordinating and consolidating both hospitals’ staffs, managing the hospital activation and transition projects, establishing new policies and procedures, and planning all of the intricacies of opening two newly constructed and renovated medical facilities — while constantly maintaining patient care at the existing hospitals. In late 2009, to plan and oversee these tasks, JTF established the BRAC.
Transition Management Program Office and put Capt. Betsy Booth Myhre of the U.S. Navy Nurse Corps at the helm.

As a pediatric nurse practitioner, Myhre had been stationed all over the world, including as the officer in charge of a team in Afghanistan providing medical care to local villagers. In addition, she'd taught nurses in Bulgaria, participated in exercises on the hospital ship USNS MERCY and was the program manager of the Navy Nurse Corps national recruiting program. She's earned awards and decorations including the Defense Meritorious Service Medal and the Afghanistan Campaign Medal.

But the BRAC Walter Reed project was an even greater challenge. Myhre says, “This project is very special for everyone involved because the hospital and medical system we built will directly impact the lives of our wounded warriors for decades. These men and women have been severely injured in the wars and deserve the finest, world-class medical treatment.”

One of the many challenges, and perhaps the most critical, came near the end. Moving all 30 inpatients and 224 wounded warriors — many in serious condition, all in need of extra care — from the old facilities to the new ones. The final move from Walter Reed in D.C. to Bethesda would occur not only within one day, but also within a matter of hours and would require more than a year’s planning.

Every inpatient was moved individually. And each one’s move was carefully planned from sequencing of departure to dietary and nursing care to reception at the new facility to accommodating the patient’s family at the new facilities.

“To make the five-mile trip from Walter Reed to National Naval Medical Center in Bethesda, we brought in a fleet of ambulances,” says Myhre. “The ambulances departed Walter Reed every four to five minutes. As one patient left, another patient from another ward would depart.”

At the end of the day — ahead of deadline — all patients were settled into the new facilities in Bethesda and Fort Belvoir and a new era of U.S. military medical care had begun. The enormous project required precise coordination and partnership between the hospital staff and the construction team. And the fact that two Clemson alumni led that partnership is both fitting and inspiring.

For more on the new Walter Reed National Military Medical Center, go to www.bethesda.med.navy.mil/.

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Clemson, a leader in health care facilities design

The University’s graduate program in health care architecture is nationally recognized for the scope and quality of its curriculum and emphasis on design excellence.

The Architecture + Health Concentration studies how architectural environments affect health and how to create settings that support the health and wellbeing of individuals and larger populations.

David Allison, director of Architecture + Health, is principal investigator for the SC Center of Economic Excellence in Health Facilities Design and Testing. The center conducts research, develops prototypes and expands knowledge on how health-facility design impacts health and health care delivery.

It also contributes to economic development as innovation-driven research leads to new technologies that form the basis for new companies and high-paying jobs.

For more on Clemson’s Architecture + Health program, go to clemson.edu/caah/architecture/architecture-plus-health/index.html.

Nursing at its best

Clemson’s undergraduate nursing program maintains a 100 percent job placement rate, and graduates consistently exceed national pass rates for licensure exams.

The University’s Clinical Learning and Research Center offers a hospital-like environment with high-tech equipment, including virtual reality IV simulators and high-fidelity human patient simulators.

Clemson’s RN to BS program employs a Web-enhanced format that allows students the convenience of online learning and the camaraderie of twice monthly interactive learning activities with faculty and peers.

The graduate program prepares nurse practitioners, clinical nurse specialists, nurse educators and nurse administrators for outstanding pass rates on national certification exams.

Clemson’s new Interdisciplinary Ph.D. in Healthcare Genetics is the first in the nation and brings together experts in many fields to prepare future leaders in health policy, ethics, practice and bench science in the field of health care genetics. For more on Clemson nursing, go to clemson.edu/nursing.
A $5 million gift from civil engineering alumnus Gerald M. Glenn ’64 and his wife, Candice, will help the University address one of the largest problems the nation faces in the 21st century: the rebuilding of America’s infrastructure.

“It is critical that Clemson build on its strengths in engineering and science to meet the needs of our economy and our nation. Our experience in sustainable and resilient infrastructure is a key,” says Gerald Glenn. “Clemson is in a unique position to prepare our engineering students for a role of leading a cooperative environment with construction, manufacturing, materials, environment and management in the coming decades.”

Gerald served as chairman, president and CEO of the Chicago Bridge & Iron Company B.V., a multinational engineering, procurement and construction company. He previously was a director of Fluor Corp. and a group president of its primary subsidiary, Fluor Daniel Inc. An attorney, Candice is a graduate of the University of California-Irvine and Southwestern Law School.

The Glenns have been active contributors to the University's College of Engineering and Science Leadership Circle and other projects, including the Fluor Daniel Engineering Innovation Center. Their $5 million gift will create scholarships and fellowships, support collaborative learning workspace and seminars, attract and retain top faculty and develop a program that will help engineering students gain a global perspective.

The Glenns make philanthropy a priority — in resources, time and leadership. The unrestricted gift is the largest gift from an alumnus in Clemson’s Will to Lead capital campaign. The gift also provides for the first named department in the campaign. The department from which Glenn graduated will bear his name.

With 500 undergraduate and 125 graduate students, the department has five National Science Foundation Graduate Research Fellows, three U.S. Department of Transportation Eisenhower Fellowships and six privately funded graduate fellowships. Its student Concrete Canoe and Steel Bridge competition teams have earned national championships, and Clemson will host the national Steel Bridge competition in 2012.
When an earthquake and tsunami disabled the Fukushima Daichi Nuclear Power Station last March, the industry was shaken by a wave of concern.

“Anytime we have an event that is outside design specifications,” says Timothy DeVol, a professor in Clemson’s nuclear environmental engineering and science (NEES) graduate program, “the benefit/risk debate concerning nuclear-generated electric power heats up. Right now countless industry professionals are trying to determine what happened and what lessons-learned can be discerned.”

TECHNICAL DETECTIVE STORY

One of those professionals is alumnus Andrew Sowder, who completed his doctorate at Clemson in the NEES program in 1998. Currently he’s a senior project manager with the Electric Power Research Institute (EPRI), in Charlotte, N.C. EPRI is a nonprofit that conducts research and development related to the generation, delivery and use of electricity for the benefit of the public. Sowder is part of a team of industry and government experts who are trying to understand what was occurring at the plant and what mitigating measures may be prudent.

“Our goal is to better characterize what happened at Fukushima from an engineering and thermal-hydraulic perspective,” says Sowder. “My particular contribution will deal with circumstances and events associated with the spent-fuel storage pools. Any lessons-learned will enable plant owners to further enhance the safety of existing nuclear plants globally.”

Sowder calls the Fukushima investigation a complex, technical “detective story” and credits his work in the NEES program for giving him the skills to be a nuclear sleuth.

“You have to consider so many variables — there are chemical, biological, nuclear and transport issues that impact potential environmental concerns. The strength of Clemson’s NEES program is that
students are required to consider multiple health risk components within a single, conceptual framework. It’s a tool for filtering and evaluating large amounts of data.”

Unlike traditional nuclear engineering programs that exist as stand-alones, or fall under the auspices of a mechanical engineering department, Clemson’s NEES graduate program is part of the multidisciplinary environmental engineering and earth sciences department in Clemson’s College of Engineering and Science. The department has consistently been ranked in the top 20 among public universities by U.S. News & World Report.

“We’re a nuclear program imbedded in an environmental department, and we think that’s a great place to be,” says DeVol. “Many of the issues facing the industry today have to do with radioactive contaminants in the environment. What better place to explore those phenomena and their impacts than where researchers understand the environment and the movement of contaminants therein?”

THINKING OUTSIDE THE NUCLEUS

This exceptional program came about because South Carolina is home to a variety of nuclear-based industries. In the 1950s, the federal government established the Savannah River Site (SRS), a defense complex that initially housed five operating nuclear materials production reactors and highly advanced separations facilities.

By the early 1970s, South Carolina-based utilities had turned to nuclear power generation. Currently, there are seven licensed commercial reactors in the state generating over 50 percent of the electrical power statewide. Westinghouse established a nuclear fuel assembly plant in Columbia, and Barnwell County is home to a commercial low-level nuclear waste storage facility — one of only three in the country.

“Clearly South Carolina established what could be called a nurturing environment for nuclear-based industry, and Clemson saw that there would be a need for research support for these entities,” says professor emeritus Robert Fjeld, who was recruited from Texas A&M in 1980 to begin Clemson’s NEES graduate program.

“Originally our focus was providing students with the skills they would need to address the environmental issues associated with power production.”

There were, however, other research needs waiting on the horizon.

In the late 1980s, concern about indoor radon arose, and the Environmental Protection Agency (EPA) had funds for universities to study indoor radon problems. Also, during this time, the Department of Energy’s (DOE) mission at SRS began to transition from production to environmental remediation, so Clemson expanded its nuclear research capabilities to study these issues.

“Basically, the DOE had this huge, complex site that required remediation, and they realized a need for instrumentation for measuring radioactivity in environmental settings,” says Fjeld. “So we wrote a proposal that was funded by the DOE’s Office of Technology and Development.

“What came out of that was a really neat system for measuring multiple radionuclides that undergo different types of decay in a single analysis of an environmental
sample. That five-year project was a big boost because it was major funding — it covered a lot of students as well as several postdocs.”

Initially, the NEES program focused on health physics, radiation detection and measurements, risk assessment and radioactive waste management. Clemson expanded the program to include a radiochemistry emphasis in 2000 in reaction to a 30-year decline in the number of trained nuclear scientists and radiochemists able to support the nation’s current needs in the discipline.

One of the first faculty recruits to the expanded program was Brian Powell. Three years after completing his Ph.D. at Clemson, Powell returned to the University to head the environmental radiochemistry emphasis area.

“I had actually intended to work at one of the national laboratories for most of my career,” recalls Powell. “However, I found that I missed interacting with students.”

Powell can look forward to working with a full cohort of Clemson students for years to come. With 38 percent of the nuclear workforce eligible for retirement over the next five years, the nation will need as many as 25,000 skilled workers in environmental radiochemistry, advanced nuclear fuel cycles, nuclear medicine, isotope production, waste treatment, health physics and homeland security applications.

REGIONAL POWERHOUSE

Today, South Carolina finds itself again in the midst of a burgeoning nuclear industry. The DOE is building a $4 billion mixed-oxide fuel facility at SRS. This facility will be a major component in the U.S. program to dispose of surplus weapons-grade plutonium, by converting it into fuel for nuclear power reactors.

On the commercial side, S.C. Electric and Gas is awaiting Nuclear Regulatory Commission (NRC) review of their Combined Construction and Operating License application for two new reactor units at the V.C. Summer Nuclear Station site near Jenkinsville. Duke Energy is also pursuing NRC authorization for the William S. Lee III plant in Cherokee County.

Just across the Savannah River, in Burke County, Ga., the Southern Co. has begun site preparation for Vogtle Units 3 and 4, and expects the issuance of the Combined Construction and Operating License from the NRC early in 2012. In addition to new construction, many reactors that began operation in the late 1960s and ’70s are applying for 20-year license extensions.

“If you are a nuclear researcher and educator, then Clemson is the place to be,” observes the newest NEES faculty member, Lindsay Shuller-Nickles. “Within a few hundred miles of campus, you can find the historic facilities of the Savannah River Site, any number of commercial power reactors from the 1970s and ’80s, and what would be called the cutting-edge technologies of the new units going in at Jenkinsville, S.C., and Burke County, Ga.

“All of these locations offer different challenges in terms of spent-fuel storage, high-level waste and legacy materials. Our students are presented with a variety of learning environments that aren’t replicated anywhere else in the country.”

South Carolina public support for nuclear energy is also some of the most viable in the nation. New Carolina: South Carolina’s Council on Competitiveness has established The Carolinas Nuclear Cluster — a consortium of industry, higher education and nonprofit organizations working in unison to support the region’s energy and economic development. These partnerships represent a regional powerhouse of nuclear expertise. Talented Clemson graduates, like Andrew Sowder, are helping develop energy infrastructure around the world.

A number of federal agencies have recognized the critical need for workers and the unique opportunities afforded students in Clemson’s NEES program.

Over the past four years, Clemson has been awarded $1.38 million in educational funds and $5.24 million in research funds from the Nuclear Regulatory Commission, the DOE Offices of Science and Nuclear Energy, the Department of Defense’s Threat Reduction Agency and the Department of Homeland Security. These funds are being used to enhance nuclear science education and broaden the pool of candidates in the industry.

“While a Fukushima-type event correctly gives us pause,” says DeVl, “it is our responsibility as nuclear educators and researchers to help our NEES graduates develop the skills and insight to continue the tradition of safety and reliability that U.S. nuclear energy plants have provided for more than half a century, while protecting the public welfare and national security.”
we’re behind you 200%
The Clemson Ring

The Alumni Association is continuing the legacy of the Clemson Ring with a new partner.

by Sallie Culbertson

When Clemson people are halfway around the world from campus and spy someone with a Tiger Paw on a cap or shirt, they connect immediately. No shyness, no hesitancy, no question — they’ve found a Clemson fan!

Similarly, when a Clemson alum notices the unmistakable “C” crest on the black onyx face of a Clemson Ring, not only is there immediate connection, there’s the shared bond of experiencing a place, an achievement and a spirit words can’t explain.

The Clemson Ring is one of the most recognizable class rings in the nation. Its long history and tradition — beginning with the first graduating class in 1896 — has carried with it reflections of the University’s changes and progress.

Throughout the years when Clemson was a military college, the symbolism engraved on the ring showed the cadet corps’ pride in service to state and country. The men’s ring has kept that military heritage since it became the official ring in 1940. When Clemson became coed, women wore a miniature of the men’s ring. In 1968, through the efforts of the Women’s Student Association, the choice of a more feminine dinner ring was offered.

There was a time when the presentation of the Clemson class ring took place at a formal Ring Dance. The cadet’s escort would present him with his ring under a giant replica of the ring. The presentation was usually followed by a kiss and applause.
After many years without an official ceremony for seniors to receive their class rings, the Clemson University Student Alumni Association and Student Alumni Council began sponsoring a Ring Ceremony a decade ago. The ceremony takes place each semester with Clemson President Jim Barker presenting the rings to each senior in attendance.

Along with the Ring Ceremony, the Alumni Association recently began Ring Week, an event that highlights the ordering process for qualified Clemson students. The week, held in November, kicks off with a party featuring food, live music and prizes. Class ring representatives are on hand to take orders, and one lucky student wins a free ring.

Effective August 2011, the Alumni Association took over total oversight of the official Clemson class ring, including all sales, promotion and distribution of the ring. All ring orders are now processed through the Clemson Alumni Association. Orders can be placed online or at the Alumni Center across from Bowman Field. A portion of the proceeds will benefit Alumni Association programming.

It selected Balfour to be the exclusive provider of the Clemson Ring through 2014 after a competitive bid process. Balfour, based in Texas, has nearly a century of experience in producing class rings.

In addition to rings, the Alumni Association now offers an exclusive jewelry line with the “C” crest image including charm bracelets, cuff links, pendants, tie tacks and lapel pins.

The Clemson Ring is unique — just like the Clemson Family. Knowing that the Clemson Alumni Association is safeguarding this enduring symbol and securing benefits that go back into serving Clemson students and alumni makes it even more valuable.

Ring FAQs

Q. Who qualifies to order the official Clemson class ring?
A. Current undergraduate students who have completed 90 credit hours qualify to order a class ring, and graduate students must present their GS-4 form at the time the order is placed.

Q. For warranty issues, whom do I contact if my ring was manufactured by a previous ring supplier?
A. For warranty issues, contact the manufacturer of the ring. (Find previous ring suppliers Jostens at 800-854-7464 or Jostens.com and Herff Jones at 864-244-0110 or herffjones.com.) Also, the current provider, Balfour, will give contact information if another vendor produced the ring.

Q. What happens if my ring is lost or stolen?
A. Contact the current provider, Balfour, for a replacement.

Q. Are there any payment plans?
A. There are payment plans as well as a savings plan.

Q. How long will it take to get my ring?
A. It takes six to eight weeks for delivery; however, rings will not be available for pick up from the Clemson Alumni Association until after the spring and fall ring ceremonies.

Q. Where do I go to order my ring?
A. Go to clemson.edu/alumni or to the Clemson Alumni Center on campus across from Bowman Field to place your order.

For more information, contact Randy Boatwright at 864-656-5671, brandol@clemson.edu or cualumni.clemson.edu. Or contact Balfour at 803-798-5134 or Balfour.com.
No-holds-barred design experience

Clemson design students take on Hilton Head on their way to becoming professionals.

A once-in-a-lifetime opportunity during the first week of fall classes dominated the lives of many who work, study and sometimes even eat and sleep in Lee Hall.

For Clemson students in city and regional planning, landscape architecture and real estate development, the term “hands-on” does little justice to Design Week. This spirited immersion in imagining, planning and drawing the future was an all-out, no-holds-barred event that engaged 110 students and suspended regular studio classes for almost a week.

The event, known as a charrette, was led by design and planning professionals from Design Workshop, an internationally recognized urban design and landscape architecture firm. Clemson students tossed their expectations aside and engaged in an exercise that promotes out-of-the-box critical thinking and marries theory with practice.

Design Workshop developed the program in 2004 to encourage a more active relationship between education and practice. Clemson joins an elite group of universities selected to participate in Design Week since its inception, including Penn State University and Louisiana State University.
The client chosen for Clemson’s Design Week was the town of Hilton Head. The target project was a potential new town center for the island — a public place where the entire community and visitors could gather. Hilton Head was a groundbreaking vision of developer Charles Fraser 60 years ago. In August, Clemson students were charged with creating a vision for the future that will serve the next generations — a legacy design.

“The opportunity to work with professionals at the top of their game to re-imagine a community like Hilton Head is a prime experience for our students,” says Thomas Schurch, chairman of Clemson’s School of Planning, Development, Preservation and Landscape Architecture. While the focus on Hilton Head arose as a design assignment, town stakeholders were involved from the very beginning in framing the project.

Planning for the charrette began last May. Master in Landscape Architecture student Susannah Horton participated in a student team that produced the site inventory and analysis, including trips to Hilton Head Island and meetings with the local stakeholders and Design Workshop representatives. Horton says, “It was a challenge coming in the first week of school and saying, ‘OK, normal classes are out the window. It’s time to jump into this really big, intense design problem.’”

Lee Hall — 24/7

Master in Real Estate Development student Adam Tietz participated in Design Week as a team leader for group planning sessions. “We were tasked essentially with creating a design that is going to give a new face to Hilton Head Island,” says Tietz. In other words, it should revolutionize the structure of the island, from a tourist resort community to an island that also offers urban features for year-round residents.

Teams spread out on tables in the Lee Hall studios, utilizing every square inch of space. The studio’s white walls and tile floors were strewn with plans. The studio space lived up to its potential — an environment for integrated, collaborative learning in which students gain insight from their colleagues as well as professors and industry leaders.

The atmosphere encompassed the glow of young landscape architects, planners and developers engaged in their education, the type of environment many young men and women dream of when filling out college applications, contemplating an on-campus lifestyle.

The payoff

What is perhaps most impressive about student involvement in Design Week is its voluntary nature.

Students didn’t receive course credit for their work, yet many students spent long evenings and the entire weekend working in design sessions. The gain for participation, however, is more valuable than a letter grade: practical experience.

“Design Week is a chance for our students to collaborate with planners and designers in a real-world setting on a real-world challenge,” says Mary Beth McCubbin. McCubbin, who directs Clemson’s a.LINE.ments studio, organized the Design Week event.

“Clemson stresses the importance of engaging students directly in the learning process. You can’t get any more engaged than this,” says McCubbin.

“Every student has a voice in the process, and the end products of their work are proposals that the Hilton Head community may use to chart their future.”

Design Workshop’s CEO Kurt Culbertson, partner Glenn Walters and Scott Baker led the charrette effort through a process based on the firm’s legacy design philosophy.

Clemson’s Design Week leaders, along with Schurch and McCubbin, included Cliff Ellis, director of the city and regional planning program; Robert Benedict, director of the real estate development program; and Cari Goetcheus, associate professor of landscape architecture.
There should always be Saturdays like this.
IPTAY exists to ensure that athletics at Clemson not only continue, but continue to improve, expand and compete at the highest level now and into the future.

**IPTAY supports student-athletes.**

IPTAY is made up of fans like you who provide the funds to support our student-athletes through scholarships, academic support, training, facilities or operating expenses. The goal of IPTAY support is to develop stronger, better prepared and better educated student-athletes.

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clemsonigers.com
1. Virgin Islands
Paul '85, Mark '89, Tom '56 and Joe '80 Hayden on a fishing trip on St. Thomas Island

2. Russia
Doris and John '57 Hefner at the Peterhof Palace in St. Petersburg

3. California
David '74 and Claudia Dority, and Louise and Jim '61 Hull visiting Yosemite National Park

4. Alaska
The Bowen family — Tom IV, Mary Lewis '90, Tom III '88, Caroline and Tom Jr. '62 — at Brooks Falls in Katmai National Park

5. France
Frances and Tom '62 LaRoche, and grandson Bryce Robbins at the American Cemetery in Normandy

6. Alaska
Toni and Gary '65 Faulkenberry on a glacier walk

7. Barbados
Gloria, Avery '85, Whit, Carter '92, Claire and Elizabeth Mitchell '92 Nelson vacationing in Barbados

8. Peru
*Julius “Brush” Babb '68 at Machu Picchu during a mission trip

9. California
*Debbie and *Charles '68 Matthews at the “other” Death Valley

10. Nova Scotia
Tommy '69, M '77 and Judy Gaither, and Becky and Tom '69 Hash at Peggy's Cove

11. Vietnam
Bill Glazener '69 in front of Phan Xi Pang, Indonesia's highest mountain, while visiting Vietnamese villages in Sapa

12. Bermuda
Bill '72 and Lisa '01 Britt in front of the Clocktower Mall

For more Clemson World Travelers …
If you sent a Travelers photo earlier, but haven’t seen it in print, go to the online version at clemson.edu/ClemsonWorld/travelers. You can also post your own Travelers photo on our Facebook site at facebook.com/clemsonworld.
13. Cuba
Robby Compton ’74 visiting the Bay of Pigs, Playa Girón

14. Italy
David ’85 and Kathy Yon ’86 Smoley, Barbara Yon M ’74, and students, Alec and Phillip Smoley at San Marcos Plaza in Venice

15. Mongolia
“Annemarie Jacques ’76, M ’81, lecturer in the School of Architecture, at a ger camp in Terelj National Park

16. Croatia
“Patricia ’77, Grace Catherine, senior, and “Paul ’79 Cook showing Clemson pride at Plitvice Lakes

17. Canada
Carlisle, student body president, and *Ralph ’81 Kennedy, salmon fishing in the Haida Gwaii islands, British Columbia

18. North Carolina
Pam Wright ’82, M ’86 and James R. Watts Jr. ’05 at Oak Island Lighthouse in Caswell Beach

19. Myrtle Beach
*Don Lusk, pharmacist at Redfern Health Center, and *Fiona Davidson ’87 with a baby tiger at The Institute of Greatly Endangered and Rare Species

20. Colorado
The Lomas family — Carson, *Elizabeth Milam ’87, M ’88, associate director for student financial aid, Turner and *Stephen ’89, M ’92 at the summit of Pikes Peak

21. Arizona
Gina Maluse Barrios ’88 at Rainbow Bridge National Monument on the Navajo Reservation

22. Montenegro
Suzanne Fulton Campbell ’88 at the Bay of Kotor

23. France
Ken Littlejohn ’88 visiting the Eiffel Tower in Paris

*Active Clemson Fund donor for 2012 Fiscal Year (July 1, 2011–June 30, 2012) through October 25. For more information, call Annual Giving at 864-656-5896.
24. Afghanistan
Patrick Howard ‘90 and Jared Kleiman ‘08 at Bagram Airfield

25. Italy
“Todd Schweisinger M ‘01, PhD ‘07 in front of the Parthenon in Rome

26. England
Nikhilesh Mohanty M ‘04 and Graham Fizer ‘02 in front of Radcliffe Camera at Oxford where they were grad students

27. China
Rachel Bassett ’06 at the Temple of Heaven, Imperial Sacrificial Altar in Beijing

28. Ireland
John O. ’06 and Melissa Williams on their honeymoon at Torc Waterfall, Killarney National Forest

29. Wyoming
Grayson Miller ‘08, M ‘09 and *Bret Leary ‘08, M ‘11 at Medicine Bow Peak in the Rocky Mountains

30. Mexico
Garrett Rowe ’09, Margaret Moore ’09, Jenni Kozlowski ’09, Jordan Hill ’09, Lindsey Albertson ’09, Katie Privett ’09, John Eargle ’10, Ben Olson ’09, Neal Culler ’10, Trevor Strange ’09, Matt Andrews ’09, Caroline Callison ’10 and Paige Hymson ’09 in Cozumel — a stop on their cruise

31. Afghanistan
2nd Lt. Ross Cooke ’10 serving in Paktika Province

32. Italy
Erin Buie ’11 on Juliet’s Balcony in Verona

33. Mexico
Kaleb ’11 and Kaitlyn Costanzo ’11 on their honeymoon in Playa Mujeres

34. Switzerland
Byron Webb ’11 on top of Mount Pilatus
Please join us for the dedication of the renovated, restored and expanded Lee Hall
April 13, 2012, at 11:30 a.m.
www.clemson.edu/dedicate-lee-hall

“THE BUILDING THAT TEACHES”

The completed Lee Hall complex will be home to master’s and undergraduate programs in architecture, art, city and regional planning, construction science and management, landscape architecture, real estate development, and the doctoral program in planning, design and the built environment.

“We are now poised to realize fully the vision of Lee Hall as ‘the building that teaches,’” Clemson President James F. Barker, FAIA, said. “In it, students will learn from their teachers, from each other and from the building itself because the new Lee Hall will be a model of sustainable design for the 21st century.”
Clemson selects new exclusive class ring provider

Clemson has selected Balfour to be the exclusive provider of the Clemson Ring through 2014 after a competitive bid process to determine who would produce the rings and partner with the Alumni Association. Balfour is based in Austin, Texas, and has been a leading provider of class rings for nearly 100 years.

The new partnership affords the Alumni Association full oversight of the University’s official class ring, including all sales, marketing and distribution of the ring.

“We look forward to collaborating with the team at Balfour to continue the rich history of the Clemson Ring while having the opportunity for our Alumni Association to have ownership and more protection of this important University symbol,” says Wil Brasington, senior director of alumni relations.

See more about the Clemson Ring, as well as answers to questions you might have, on pp. 20-21.

Optimize your career!

Take advantage of Alumni Online Career Services through Optimal Resume. Create, manage and share your professional credentials with the tools available through this new online application designed to help you create your optimal impression. And employers seeking to hire Clemson alumni can post positions on this site free of charge. Just go to clemson.edu/alumni and click on “Career Services.”

Do business with fellow Tigers

The Clemson Pages is a great new Web-based service that helps the Clemson Family find, support and promote businesses of other Clemson Family members. You can search by ZIP, city/metro area, county, category, name A-Z and newest members. It spotlights various businesses and encourages all to advertise on the very site that Clemson people are searching! For more information, go directly to the site at www.theclemsonpages.com or contact the Alumni Center at 864-656-2345.

Find your Clemson Alumni Association on

Facebook, LinkedIn, YouTube, Twitter, Flickr

Online Tiger store

Find your Clemson gear and gifts at the Official Online Store of Clemson Alumni at clemsonalumni.teampfanshop.com. The site is made available through Clemson’s partnership with TeamFanShop, a leading provider of private label e-commerce solutions for Division I colleges and professional sports teams.

Mark your Clemson calendar

Spring Clemson Ring Ceremony — March 12
Prowl & Growl 2012 starting in April — Check for dates at clemson.edu/alumni and www.clemsonontigers.com.
National Weekend of Service — April 13-15 – Last year 19 Clemson Clubs participated. The 2012 goal is 25!
Bring Your Daughter weekend — May 18-20
Clemson Reunion 2012 — June 7-9
Honorary alumni, longtime benefactors

Ron and Katherine Harper have long been strong supporters of Clemson education both in their business expertise and financial support, including their gift of $1.1 million to the graphic communications department in the College of Business and Behavioral Science and the Sonoco Institute.

The Harper Corp., founded in 1971, has facilities in the U.S., Thailand and Germany and specializes in printing trades, machinery, polishes and sanitation goods.

The Harpers have been inducted into the National Technical Honor Society Hall of Fame for Educational Excellence and received the Silver Star Award from the American Technical Education Association and the National Technical Honor Society for their support and commitment to postsecondary technical education. Now, in gratitude and admiration, the Clemson Alumni Association has proudly named them honorary alumni.

2011 Volunteer of the Year

The Alumni Association has named Lynn West as the Frank Kellers III Volunteer of the Year. West, a program coordinator at the Medical University of South Carolina, is a member of Clemson Alumni Association board of directors.

West has served as president of the Charleston County Clemson Club and chairwoman of the Clemson Women’s Alumni Council. She’s been on the Alumni National Council and is a member of Clemson in the Lowcountry and the Charleston County Clemson Club.

The annual award bears the name of the late Frank Kellers III ’57, who worked tirelessly over the years to support Clemson, both through the Alumni Association and IPTAY.
Lifelong Tigers

The alumni board is the governing body for the Clemson University Alumni Association. It provides general oversight of the programs and initiatives of the Alumni Association, financial audit and review, creation of governing policies and strategic planning.

Tigers at the Bronx Zoo
The New York Clemson Club celebrated their common bonds as Tigers with other alumni and fans who live in the New York City area last fall. More than 50 alumni and guests, most in orange of course, shared a tailgate lunch, reunited with friends and talked Clemson football.

Mid-South cheers on the Tigers
The Mid-South Clemson Club in Memphis, Tenn., gathered for a pool party and to watch Clemson beat Florida State.

Greater Orlando shows orange at Citrus Bowl
The Greater Orlando Clemson Club represented Clemson at the annual Florida Citrus Sports event, for all alumni groups in the area.

Texas Tigers
The Greater Austin Clemson Club gathered at the Upper Decks in Austin to root on the Tigers to another football win against North Carolina.

It’s a Clemson Family thing
Three generations of this family urged on the Tigers as they beat UNC. From left are Ann Lawrence Hammond ’16, Tee Hammond ’12, Jennifer Hammond ’83, Hal Miley ’12, Frank Hammond Sr. ’48, Callie Miley, Virginia Cebe ’12, Frank Hammond Jr. ’83, Caroline Stephenson ’75 and Jack Cebe ’12.

Travel with fellow Tigers!
Check out 2012 Clemson alumni travel adventures — from Belgium to the British Isles, from Alaska to Tuscany — at cualumni/clemson.edu/travel or contact Randy Boatwright at brandol@clemson.edu or 864-656-5671.
Memorial Park to recognize service of alumni

The Clemson Corps is hard at work making Memorial Park, an extension of the Scroll of Honor Memorial site, a reality. Located at the corner of Fort Hill Street and Williamson Drive, the campus park will pay tribute to the thousands of Clemson alumni and friends who have served the state and nation in fields ranging from agriculture to the military. For more about the park and recognition options, contact Amy Csernak Craft at acserna@clemson.edu or 864-656-1240.

Still strong

Clemson Wrestling Alumni came together in October to present a $25,000 gift to the Scroll of Honor Memorial — in memory of fallen comrades Maj. Tom Carr and Capt. Dan McCollum — for a U.S. Marine Corps Plaque. The plaque will be installed on the East Gate wall of Memorial Stadium, serving as a visible link between Memorial Stadium and the Scroll of Honor Memorial. From left are Tim Morrissey ’95, Hap Carr ’60 and Danny Rhodes ’68 of the Clemson Corps, and Matt Marcenelle ’91.

CAFLS tailgaters

The College of Agriculture, Forestry and Life Sciences hosted alumni, faculty, students and friends for its annual fall gathering in October before the Boston College game. The CAFLS Tailgate is a favorite get-together to catch up on the University, the college, each other and, of course, to cheer on the Tigers.

Military Appreciation Day

Clemson’s annual Military Appreciation Day commemorated 9/11 during the weekend of the Wofford game and featured New York City firefighter Dennis Amodio. Nearly 3,000 American flags on Bowman flew in memory of all who died on 9/11. During halftime veterans and current soldiers, Clemson’s ROTC members, invitees from Wofford and The Citadel, and other participants paraded to the stadium and took to the field.
The inside scoop on the
Red Caboose

_The Class of ’39 Caboose has its own stories to tell._

The South Carolina Botanical Garden’s Red Caboose is not only a popular spot to take photos. In a larger sense, it represents the spirit of the garden itself.

But it didn’t just show up one day in 1972. Securing the Red Caboose took a determined lady with a strong ally and lots of Clemson connections. That lady was Marguerite “Reet” Busby Senn, and her husband and biggest fan was Class of 1939 alumnus Taze “Tee” Senn, who was head of Clemson’s horticulture department.

Tee Senn’s role had begun years earlier when, in 1959, Clemson officials were about to expand Memorial Stadium right where a fine camellia collection was thriving. Tee began lobbying for a larger space to transplant the camellias and current trial gardens and to expand into a public garden.

And so the new garden began on its current site on Perimeter Road as a camellia grove and trial gardens. Then came a duck pond, historical cabin, old gristmill. Then a Braille trail. Then a hortitherapy garden, the first in the country. The gardens continued to grow into the popular Clemson Horticultural Gardens.

Tee and his fellow Class of ’39ers took its support as one of their signature projects. Reet Senn began her own quest — to bring a piece of American history to the site, an icon that would boldly reflect the generation of the ’39ers, many who had taken their first train ride to Clemson. So began her campaign to get a big red caboose.

In the early 1960s, she enlisted ’39 alumnus George Williams, vice president of Southern Railway. And over the next decade, with help from Tee and other Clemson leaders, Reet pursued the dream of a donated caboose, an effort that would include many phone calls, letters and meetings.

She succeeded in getting a caboose as a gift from Southern Railway in the early 1970s. But moving the three-ton train car from the station (Cherry’s Crossing) into the gardens was a monumental challenge. More Clemson people stepped up. And, by late 1972, Clemson had a new old landmark.

Since then, the site has become the 295-acre S.C. Botanical Garden at Clemson University, and the Class of 1939 Caboose has its own special site within the Heritage Gardens, another project headed by the class.

The new book _The Caboose, the Gardens and the Clemson College Class of ’39_, by Don McKale, recounts in vivid detail how the gardens began, how the Caboose made its decade-long journey to Clemson, and how Clemson people made it all happen. All proceeds from the book go to the S.C. Botanical Garden Heritage Gardens Fund. For more information or to purchase a copy, contact Cathy Sturkie at 864-656-2456 or scathy@clemson.edu.
Cuisine Graced with a Southern Accent

Our unforgettable atmosphere intermingles with our famous view of Hartwell Lake for a captivating dining encounter unlike any other. Staying true to our Clemson roots, our menu offers regional favorites and some unexpected flavors graced with our unmistakable Southern accent.

We invite you to savor our new dishes, behold the view and relish the experience that is Seasons by the Lake.
James P. White Memorial Scholarship

When Clemson alumnus Jim White earned his degree in 1989, he had his whole adult life in front of him. And by 2001, his career was taking off. He was a vice president with mega investment firm Cantor Fitzgerald, with an office in New York City — in the North Tower of the World Trade Center.

No company was more devastated by the 9/11 attacks than Cantor Fitzgerald, and no family and circle of friends were more grief-stricken than those of Jim White.

And yet — believing that his life is best celebrated through helping others at a place he loved — his family and friends worked to establish the James P. White Memorial Scholarship Endowment Fund at Clemson.

The endowment has exceeded $100,000, and this year the donors were able to bring another person into the special circle of people who are inspired by Jim White — scholarship recipient and bioengineering junior Kirsten Johnson.

Pictured from left are Porter Morgan ’88, Mark Missroon ’88, Courtney Furman ’91, Wes Few ’90, Frank Coyle, Al White (Jim’s father), White Memorial Scholarship recipient Kirsten Johnson, Jonathan Hayward ’89, Clive Pearson ’89, Ray Bower, Doug Brandon ’88, Christian MacMillan ’89 and Kevin Kunich ’90. Absent from the photo is Mark Yarborough ’88.

Cheezem OLLI Education Center

The Osher Lifelong Learning Institute (OLLI) at Clemson has a spectacular home where a growing senior population can go to explore educational and cultural interests.

The building — the Charles K. Cheezem OLLI Education Center — and land are gifts to the Clemson University Foundation and OLLI from Patrick Square LLC and the Cheezem family. The property and building are valued at $1.6 million, and the two-story neo-Georgian building stands as a focal point in Patrick Square’s Town Center, a Traditional Neighborhood Development community off Issaqueena Trail near the U.S. 123 interchange.

The late Charles Cheezem was a 1944 graduate, loyal alumnus and father of Patrick Square principal and president J. Michael Cheezem of St. Petersburg, Fla. “Clemson was instrumental in shaping my father’s life,” says Michael. “And I am privileged to facilitate a way for people to continue their love of learning and to pursue new passions and vocations.”

Endowed by the Osher Foundation, OLLI provides opportunities for adults to further their knowledge in academic and recreational pursuits. Clemson’s College of Health, Education and Human Development and its parks, recreation and tourism management department work closely with OLLI.

Bell Professorship and Bell Scholarship

An anonymous donor is memorializing an outstanding Clemson alumnus with a gift that will help shape the educational experience of future alumni.

A new professorship, established with a gift of $520,000, honors Samuel Lewis Bell ’25, longtime president of Chester Telephone Co. Bell was an excellent electrical engineer and respected, civic-minded gentleman.

The Samuel Lewis Bell Distinguished Professorship will enable Clemson to attract and retain a professor of national prominence in the electrical and computer engineering department within the College of Engineering and Science.

The donor has also established the Samuel Lewis Bell and Lucia Beason Bell Memorial Scholarship, with a gift of $200,000, to honor the couple by providing financial assistance to Clemson students.
Wilroy Memorial Scholarship

Robert David Wilroy Sr. and Marian Cocke of Columbia have created a scholarship in honor of their son, Robert Jr., a 1981 chemical engineering alumnus who passed away in 2010.

The Robert D. Wilroy Jr. Memorial Scholarship in Chemical Engineering, established with a gift of $100,000, will provide assistance to South Carolina residents in Clemson’s chemical and biomolecular engineering department. Graduates of the department pursue a range of careers, from advanced materials and biofuels to environmental industries and medicine.

In his own career, Bob specialized in process design and cost estimating in the chemical and pulp and paper industries. As an employee of J.E. Sirrine Engineers, later Jacobs Engineering Group Inc., he worked on numerous major pulp and paper plants throughout the Southeast, as well as in Maine, Michigan and New Mexico. At the time of his death, he was employed by Jacobs in Greenville.

The scholarship continues his legacy of helping many young engineers succeed in their chosen fields.

Shelburne Endowed College Enhancement Fund

Parents of young alumna Kate Parks ’09 honored forestry professor Victor Shelburne for his helping Kate and many other Clemson students to become outstanding in their fields.

Stephen and Kathryn Parks started the Dr. Victor B. Shelburne Endowed College Enhancement Fund with a generous gift and pledge. Kate was one of the first students to study conservation biology at Clemson in a program that Shelburne helped establish — the degree program in Environmental and Natural Resources with concentrations in conservation biology, natural resources management, and natural resource and economic policy.

With his encouragement, Kate earned a National Oceanic and Atmospheric Administration (NOAA) scholarship and gained invaluable experience. She’s now with the S.C. Coastal Conservation League.

You can leave a gift that will be felt for generations to come — just as Thomas and Anna Calhoun Clemson did so many years ago.

Through a planned gift, you build a legacy both for your family and Clemson. Join those who made plans that ensured an impact far beyond their lifetimes.

Find out how you can leave your legacy. Contact Jovanna King at 864-656-0663 or jovanna@clemson.edu.

A planned gift today leaves an indelible mark.

You can make a difference too!

Your gift can make a difference in students’ lives and the economic development of South Carolina. To contribute to any of the efforts described here, to establish a memorial or to find many other ways to support Clemson, go to clemson.edu/giving or call 864-656-2121. Your gifts will count in the Will to Lead campaign, Clemson’s effort to raise $600 million by July 2012 to support students and faculty and provide an exceptional education.
One of the most valuable life lessons I learned in public accounting is that everyone needs a second, private office for solitude to work on one's own problems or to talk through problems with others.

I learned this lesson from an attorney. He worked in a cemetery gazebo when he needed space. His secretary knew where he could be found in case of emergency, but he was free to struggle with cases. He said it was the safest of places to deal with difficulties – the dead couldn’t tell tales, and if folks drove by and saw someone ranting or crying, well, it was a cemetery after all.

I teach because I love my students, I love accounting, I love Clemson University. My office is in Sirrine Hall, conveniently located across the road from what I consider my very own private “other office” or, as it is known to everyone else, Woodland Cemetery. Having been a member of the Clemson Family since I was a freshman in 1969, I have experienced a lot of Clemson history — and I have studied and read about the history before me. Teaching at an established university is not an easy job; teaching at a college struggling to become established must have been difficult on the best of days.

I’ve studied theology, human resources and leadership, and still I struggle with some decisions I’m required to make. I’m very aware of and humbled by the effect my decisions may have in my students’ lives, and I don’t make them lightly or easily. It’s during these times of reflection that I use my Woodland office the most.

I’ve often wondered what advice the early faculty would give me if I could only hear them. But, in a way, I do hear their voices; they’re the recorded history of this great place. They continually remind me that I am here to serve students — sometimes fragile — standing on the edge of adulthood.

And this special place, usually filled with sunshine and birdsong, reminds me of both Clemson’s sacred history and its unlimited potential for the future.

I’m MA Prater and this is My Clemson.

Mary Ann Prater is an Alumni Master Teacher, recipient of the 2011 S.C. Association of Certified Public Accountants Women to Watch Award/Experienced Leader, recipient of the Extraordinary Educator Award from Clemson’s chapter of Delta Alpha Pi honor society for students with disabilities, recipient of the Blue Key Honor Society Outstanding Advisor Award, member of Tiger Brotherhood and a past chairwoman of the Women’s Alumni Council.
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