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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 new flickr site at flickr.com/photos/clemsonuniversity/collections for photos from campus, vintage collections, regional events and much more.
- Join us on Facebook at clemsonworld and clemsonalumni.

Cover photo: Chris Bernat '93 and Jackson Burnett '94, M '95 of Vapor Apparel — photography by Patrick Wright

[Link to clemson.edu/clemsonworld]
Needed: A Serious Conversation about Higher Education in South Carolina

South Carolina inaugurates a new governor in January. When I first drafted this column, we didn’t know who that would be, but we knew it would be a Tiger! Both Governor Nikki Haley and the Democratic nominee, Sen. Vincent Sheheen, are proud Clemson alumni.

In the days leading up to the vote, University of South Carolina President Harris Pastides and I co-authored an open letter to the new governor that ran in all of the state’s leading newspapers.

Our key message was this: No matter who won the election, higher education stands ready to be an engaged partner with the state as, together, we face the challenge to create jobs, stabilize the state budget and articulate a clear vision for South Carolina’s future.

We believe there should be a genuine conversation about the role of higher education, focused on the outcomes South Carolina should expect from its colleges and universities — young people ready to seize the opportunities before them, jobs and prosperity for our citizens, and solutions to the problems facing our communities.

The conversation might begin by recognizing the facts about current levels of support for the state’s public universities. According to the S.C. Commission on Higher Education and the State Higher Education Finance Survey — the most reliable, apples-to-apples comparison of data — in 2009, South Carolina ranked 46th in the nation and 16th of the 16 southeastern states in per-student support for public higher education institutions.

Despite these challenges, however, higher education in South Carolina is not “broken.” Thanks to state scholarships and a focus on strategic planning and quality improvement, Clemson has improved academically while remaining both affordable and accessible. Because of South Carolina’s generous scholarship program, every entering in-state freshman at Clemson gets a scholarship, and 40 percent of nonresident freshmen do, too.

Demand is high, and public colleges and universities are educating more South Carolinians than ever before. Both Clemson and USC set new records for undergraduate applications this year. More importantly, the number of degrees earned statewide has increased by 26 percent since 1998-99 — largely because undergraduate applications this year. More importantly, the number of degrees earned statewide has increased by 26 percent since 1998-99 — largely because of public institutions, which awarded eight out of every 10 degrees earned in 2008-09. More and more South Carolinians are recognizing that higher education is a path to good jobs and a healthier economy for South Carolina.

Higher education is also making a major contribution to economic development. Colleges and universities can be powerful engines for economic growth and prosperity, and the governor should consider us allies in rebuilding the economy of South Carolina.

The S.C. General Assembly recognized this essential role when, in the past, it offered incentives to attract intellectual capital through endowed chairs, build facilities and upgrade technology at the three research universities (Clemson, USC and the Medical University of South Carolina). Those programs are working, yielding both short- and long-term returns on these investments in quality. This is about jobs.

Rather than dismantle what’s working in higher education, let’s focus on what’s not: multilayered approval processes that add needless costs, regulatory policies that work for government mandates as opposed to true accountability for our citizens’ tax dollars.

We ask our new governor to give higher education an audience and a seat at the table. Give us the tools to manage budget cuts and thrive as more independently funded public institutions. Meaningful regulatory reforms can help make up for lost state funding by cutting operating costs without reducing service or accountability.

We’re proud that Governor Haley is a Clemson alum. She will have a very full agenda as South Carolina inaugurates a new governor in January. When I first drafted this column, we didn’t know who that would be, but we knew it would be a Tiger! Both Governor Nikki Haley and the Democratic nominee, Sen. Vincent Sheheen, are proud Clemson alumni.

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Clemson gets $1.4M to improve cyberinfrastructure for S.C. researchers

THE NATIONAL SCIENCE FOUNDATION AWARDED the Clemson University Research Foundation $1.4 million to support the University’s effort to improve and maintain cyberinfrastructure in South Carolina. The grant will fund “Expanding and Improving the C-Light Regional Optical Network,” a project to augment, replace and complete cyberinfrastructure facilities providing researchers and students with greater access to high-speed cyberinfrastructure and the means to open new paths to scientific discovery.

“Networks like this are a catalyst to the research community,” says James Pepin, Clemson’s chief technology officer overseeing the project. “This state has world-class researchers in multiple fields, and our universities are recruiting leading researchers and support staff in all areas of science and engineering. The nation needs to have strong research programs all over the country to support a vibrant economy.”

The work will be done on the C-Light Regional Optical Network and the South Carolina Light Rail, which link researchers across the state with other national and international research entities, enabling full-speed access to national cyberinfrastructure.

Hash family gift advances Clemson sustainable development

M O R E THAN A DECADE AGO, AS A SENIOR EXECUTIVE with one of the world’s largest engineering and construction firms, Tom Hash first embraced the concept of sustainable development. But it was the birth of his wife and Becky’s first grandchild that brought the issue home.

“Bechtel Corp. adopted sustainability as one of its core values and I became very interested in it,” says Hash ’69, a mechanical engineering graduate. “The birth of our first grandchild made it personal as we thought about the future of the next generation. That’s when Becky and I began looking at how we could help jumpstart the sustainable development program.”

Now, a week after their fourth grandchild joined the family, Tom and Becky Hash have made a $2 million gift to endow a chair in the field at Clemson.

The Thomas F. Hash ’69 Endowed Chair in Sustainable Development will be the first such position in Clemson’s Center of Economic Excellence in Sustainable Development, created this year to develop new technologies to foster sustainability, protect the state’s natural resources and encourage smart growth. Research in sustainable development focuses on areas in which the “natural and built environments” meet, says Gene Eidson, professor of biological sciences and principal investigator of the new center. The result of that research will be tools, products and services to better monitor, manage and protect the environment while allowing for continued economic growth and development.

Duke Energy empowers Clemson, new innovation center

A NEW FACILITY UNDER CONSTRUCTION at the Clemson University Advanced Materials Center in Anderson County will be named the Duke Energy Innovation Center.

Duke Energy has been a long-time partner with Clemson supporting students through scholarships, infrastructure (by improving the power supply necessary for Clemson’s high-speed computing) and creation of the new innovation center.

“Clemson University is developing the future technologies and students to fuel our economy,” says Jim Rogers, chairman, president and chief executive officer of Duke Energy. “We see our investment in Clemson as an investment in the future economic success of South Carolina.”

The innovation center will serve as a high-tech business incubator focusing on the advanced materials industry. Space will be available for startup companies and “landing parties” of existing companies interested in exploring the viability of locating new businesses or relocating existing businesses in the area.

The center is a joint project with the South Carolina Research Authority, which will house its programs in a separate wing.

Clemson graduates are finding jobs at nearly twice the national average of other college graduates, according to a survey conducted between December 2009 and June 2010. The figures were compared to the national average reported by the National Association of Colleges and Employers.

PREPARE FOR YOUR FUTURE— Prep for success in your future through Clemson’s online courses and degree programs. Learn more at clemson.edu/prepfor.

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Strong academic, student life rankings

U.S. NEWS & WORLD REPORT RECENTLY ANNOUNCED THAT CLEMSON continues to be ranked among the nation’s best public universities — No. 23 to be exact. This is our third consecutive year being ranked in the top 25.

Clemson ranks No. 12 among all national universities, public and private, on a new ranking of schools with a strong commitment to teaching. The list includes many of the nation’s most highly regarded universities: Dartmouth, Princeton, Yale, Notre Dame, William and Mary and the University of California at Berkeley. Clemson’s programs for writing in the disciplines and learning communities were also recognized for quality.

Kaplan/Newsweek’s 2010-2011 “Finding the Right College for You” guide recognized Clemson in the categories of Most Desirable Rural Schools, Most Desirable Large Schools and Stocked With Jocks.

According to the guide, Clemson’s small town location places it among the most desirable rural schools at No. 23, while its nearly 20,000-strong student body makes it No. 21 on the list of most desirable large schools. With four percent of its students participating in one of 15 varsity NCAA Division I sports, and an additional 61 intramural sports offered, Clemson is considered one of the top colleges for athletes at No. 20.

Tigers team up for student affairs

GRADUATE STUDENTS MAJORING IN STUDENT AFFAIRS are teaming up with new and seasoned Clemson alumni professionals for mutual opportunities. Students make connections and learn what’s happening outside the classroom, while alumni stay up on the latest trends in education. The program, called Tiger Teams, started with Chi Sigma Alpha Student affairs honorary organization in Clemson’s Eugene T. Moore School of Education) and already has 24 teams — each with two graduate students and two alumni (one a new student affairs professional and the other a seasoned pro). Pictured are student Jay Hinze, Amber Mulkey M ’07, student Lauren Layton and Brian Stuart M ’06. For more information, contact Pam Havice at havice@clemson.edu.

Clemson & Campbell’s — ‘Mmmm good’

FOOD SCIENCE AND HUMAN NUTRITION students met Clemson alumni at Campbell’s Soup Co. world headquarters in Camden, N.J., as part of a Creative Inquiry project. The University and Campbell Soup Co. have an extended history in that many Clemson alumni, as well as students, have worked or completed co-ops for the company. Each year, food science and packaging science students have the opportunity to interview for co-op positions with the company, which often translates into employment after graduation. For example, five Clemson graduates are currently at Campbell’s world headquarters in product development, two in packaging and another in quality control.

Clemson researchers attract $187M, highest funding ever

JUST HOW IMPORTANT IS THE WORK OF CLEMSON RESEARCHERS? TOTAL research funding for fiscal 2010, which ended June 30, was the highest in the University’s history, $187,292,161. The federal government provided the majority of external research funding, 86 percent, while state and local government accounted for 8 percent, and industry and other sources provided 6 percent.

More than half of Clemson’s research funding was focused in two emphasis areas: sustainable environment (37 percent) and advanced materials (24 percent). The College of Engineering and Science continued to have the highest level of external support, with 39 percent.

“In these economic times, it is important to note that Clemson researchers aggressively continue to seek external support for a rigorous research program,” says Gerald Sonnenfeld, Clemson’s vice president for research.

Clemson helps to create Open Parks Grid

CLEMSON UNIVERSITY LIBRARIES RECEIVED A GRANT to make more than 3 million pages of resources held by the National Park Service (150,000 artifacts, photographs and other objects) and selections from park directors’ papers available digitally. The $773,444 National Leadership grant from the Institute of Museum and Library Services will fund the collaborative Open Parks Grid. Clemson — one of 34 institutions to receive funding in this category — is contributing in-kind matching funds of $799,167, for a project total of $1.57 million.

The Open Parks Grid will supply information on parks in the southeast United States. It will let park professionals and researchers discuss park issues and will allow the display of park research and project funding needs. The goal is to unite the highly distributed parks community and to provide access to materials that have never before been made available.

Clemson has received national recognition for its commitment to diversity and inclusion for the third straight year. Minority Access Inc. awarded Clemson at the 11th National Role Models Conference. Leon Wiles, Clemson’s chief diversity officer, was recognized at the conference with a national role model award.

Will to Lead campaign goes on the road

THE UNIVERSITY IS TAKING THE Will to Lead: A Campaign for Clemson on the road. So far the campaign has visited or has plans to visit Greenville, Charleston and Columbia, S.C.; Charlotte, N.C.; Washington, D.C.; Atlanta, Ga.; with other locations to be determined.

The Will to Lead campaign extends the dreams of Thomas Green Clemson and the visionaries who made this University a reality. The campaign’s goal is $600 million by June 30, 2012, to provide scholarships, professorships and enhanced learning and research opportunities with top facilities and technology.

To learn more about the Will to Lead campaign and how you can be a part, go to clemson.edu/giving. For more photos, go to flickr.com/photos/clemsonuniversity. Click on “sets,” and select “Will to Lead” and location.
Repaying kindness through student support

MECHANICAL ENGINEERING GRADUATE DOUG SMITH IV and his wife, Lynne Westmoreland Smith, have donated the University $500,000 to endow a scholarship and to provide academic support in other areas as part of Clemson’s Will to Lead campaign.

Smith, who earned his Clemson degree on a scholarship, hasn’t forgotten the generosity of those who provided support. In fact, he and Lynn are repaying the kindness many times over.

Half the gift will be used to fund the Smith-Westmoreland Scholarship Endowment, for four years of support to academically gifted students from North and South Carolina. A significant portion of the gift is to the University’s Leadership Circle, an unrestricted fund that allows money to be directed where it is most needed. The Smiths’ gift also includes support for two quite different programs — WISE and Jungaleers. The Women in Science and Engineering (WISE) program offers mentoring and other resources to female students in the College of Engineering and Science. The Jungaleers Memorial Scholarship Endowment, for Jazz Ensemble and, in particular, the role that plants play in this relationship. Members of the Eastern Band of Cherokees have been and continue to be involved in this garden to help ensure its accuracy.

Genetically altered plants, not environmental pests

WE KNOW THAT PLANT molecular biologist Hong Luo’s research on how to improve plants without turning them into environmental problems. The U.S. Department of Agriculture is funding Clemson
tens of thousands of dollars a year.

Ensure the fabric of our lives

COTTON PRODUCTION IN THE SOUTHERN U.S. IS worth an estimated $6 billion a year. More than 440,000 U.S. jobs are directly associated with the cotton industry, which generates annual revenues of more than $120 billion. But every year, about 10 percent of U.S. cotton production is lost to nematodes.

Clemson is working to stop these losses. With a $1.2 million grant from the U.S. Department of Agriculture’s National Institute of Food and Agriculture, Clemson will lead a groundbreaking multistate, multidisciplinary study of key precision agriculture technology. Precision agriculture is the practice of using remote-sensing, soil-sampling and information-management tools to optimize agricultural production.

Results of the project likely will have lasting environmental benefits while saving farmers thousands of dollars a year in reduced input costs. The project will develop and test technologies for site-specific detection and control of plant-parasitic nematodes.

Led by Ahmad Khalilian, Clemson researchers — from the departments of biosystems engineering, entomology, and soils and plant sciences; the Edisto Research and Education Center; and the Cooperative Extension Service — will work with partners at the University of Arkansas, Louisiana State University and cotton growers throughout the three states.

Formula SAE gets checkered flag

CLEMSON’S FORMULA SAE TEAM COMPETED AND WON IN THE first Xtreme College Rivals racing series competition in Atlanta, Ga. — going up against Mississippi State. The series was a fiercely contested battle of two drag-racing teams and two enormous wings, with the outcome down to a hand-up single lap run for the winner. The series should appear on Fox College Sports sometime in the future.

Formula SAE students earn Honda selection

A CREATIVE INQUIRY group of marketing students has gained the attention of international car manufacturer Honda. Christina Zoha, Ashley Lone and Amanda Hurt (pictured, left to right) developed a six-week public relations campaign for the Honda Sport Hybrid CR-Z. Honda selected the students’ project “What does your car say about you?” as one of 10 campaigns to move forward in a nationwide competition sponsored by Honda and EdVenture. EdVenture Partners programs blend academic theory with hands-on applications, creating a real-world marketing and learning experience for students and educators. James Gubert is team adviser.

Clemson Army ROTC cadet near top of Order of Merit

ARMY ROTC cadets from around the country hold their collective breath every September as they await news of the release of the national Order of Merit List (OML). Last fall, Clemson cadet Joshua Shane Miller learned that he ranked not only in the top 10 percent, but also as the No. 2 Cadet in the country of more than 5,000. The OML ranks all Army ROTC seniors across the nation, with the top 20 percent earning the designation of Distinguished Military Graduate.

You can take a virtual tour of Clemson athletic facilities through an interactive website allowing visitors to ClemsonTigers.com unprecedented access. The application combines 360-degree panoramas with exclusive video and audio content to deliver an experience beyond the standard virtual tour (clemson.tigers.com/clemson360).

Scholarship from U.S. astronauts

PHYSICS AND ASTRONOMY MAJOR PATRICK JOHNSON (second from left) received Clemson’s first scholarship from the Astronaut Foundation, presented during Homecoming last fall by Charles Moss Duke Jr., retired Apollo astronaut and U.S. Air Force brigadier general (second from right). He’s also pictured with Neil Cameron, Clemson’s vice president for advancement, and Lion LeBlanc, executive director of the Astronaut Scholarship Foundation.

Established in 1984 by the six surviving astronauts of America’s original Mercury program, the scholarship is given to students who show motivation, imagination and exceptional performance in the science or engineering field of their major. More than 80 astronauts from the Mercury, Gemini, Apollo, Skylab and Shuttle programs support the foundation to help the U.S. retain its world leadership in science and technology.

Information about Clemson is available in the palm of your hand. The University’s new mobile application, m.Clemson, offers campus maps and information on events, athletics, news and images. The application is available for iPhones, iPads and iPod Touches through Apple’s App Store. BlackBerry and Android device users can access m.clemson.edu through their mobile browsers.
Leading thinkers (and doers!)

More examples of why we’re so proud of our leaders

Tony Caution of leadership, counselor education, human and organizational development was recognized by ACPA (College Student Educators International) as a 2011 Class of Diamond honoree, for outstanding and sustained contributions to higher education and student affairs. The Association of College and University Housing Officers-International also recognized Caution and Kathy Holgordon, director of residential life, for their contributions to the student housing profession.

Clemson professor Barry Nocks, director of the city and regional planning program, has been appointed as one of three planning educators on the national Planning Accreditation Board, the accrediting body in North America for university programs in planning.

Public health sciences professor Vincent Gallicchio recently became president of the International Federation of Biomedical Laboratory Science. The federation works with the American Society for Clinical Laboratory Science to recommend educational standards for biomedical laboratory scientists and with the American Society of Clinical Pathology to help standardize an international certification program.

The Design Intelligence 2011 America’s Best Architecture and Design Schools rankings publication named Clemson President Jim Barker one of the Most Admired Educators of 2011. It also named Clemson’s architecture graduate program among the top 20.

Jerry Tesserendorf, winner of the Academy Award for Technical Achievement in 2008, is the new director of Clemson’s Digital Production Arts program, a graduate program for professionals in the film, video and gaming industries. His credits include Titanic, the X-Men series, and The Core, The Witch and the Wardrobe.

Executive director of the University’s Charles H. Houston Center — Lament Flowers, a Distinguished Professor of Educational Leadership in the Eugene T. Moore School of Education — has been appointed to the board of advisers for the National Education Finance Conference.

Thomas Kurfer, BMW Chair of Manufacturing in the automotive engineering department, has been elected a director of the Society of Manufacturing Engineers for 2011. The governing body of the international society is comprised of industry and academic leaders from diverse backgrounds representing a wide array of manufacturing disciplines.

C.P. Leslie Grady Jr., professor emeritus of environmental engineering and earth sciences, has been selected to receive the Industrial Water Quality Lifetime Achievement Award from the Water Environment Federation, an international technical and educational water quality organization with 36,000 members.

Diane G. Seathears, associate vice provost and director of the Emeritus College at Clemson, has been selected president-elect of The Honor Society of Phi Kappa Phi, the nation’s oldest, largest and most selective all-discipline honor society. She will be president-elect for two years and become president in 2012.

One of Clemson’s most important off-campus research centers — the Pee Dee Research and Education Center in Florence — is turning 100 years old. It has grown from a historical agricultural experiment station into a modern world-recognized research facility, most recently attracting biofuels researchers from around the world. Stay tuned for the celebration.

Clemson’s success is a direct result of the thousands of Clemson Family members who step up to lead every year. We’d like to say “Thank You” for providing Clemson students and faculty with the resources necessary to succeed in the 21st century.

During the The Will to Lead: A Campaign for Clemson, we challenge all alumni and friends of Clemson to dig a little deeper — to help fund scholarships and fellowships for top students; attract and retain the best faculty; and fund initiatives that make a Clemson education exceptional, lead to economic development and foster innovation.

Your tax-deductible contribution to the Clemson Fund counts as a campaign gift and ensures Clemson’s continued success. Use the enclosed envelope, call 864-656-5896 or go to clemson.edu/giving.

Get your exclusive Clemson calendar.

It’s not too late to get your limited-edition calendar created for Clemson Fund donors who have the will to lead Clemson University in the 21st century. 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.

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Doing Business in the New Economy

From South Carolina to California, these alumni entrepreneurs are taking care of business.

by Liz Newall

In the world of small business, Vapor Apparel is BIG. While many companies, big and small, are struggling just to stay alive, this Clemson alumni-founded business is not only thriving in the new economy but also setting standards of its own.

Vapor Apparel, co-owned by Chris Bernat ’93 and Jackson Burnett ’94, M ’05, manufactures athletic performance apparel that’s engineered for digital print technologies.

If you haven’t heard of it yet, you will. Vapor Apparel is among the S.C. 25 Fastest Growing Companies (Capital Corp.) and the ninth fastest growing company in the Charleston region (Charleston Business Journal).

It’s racked up top industry awards for product development and creative output including Digital Printing Industry’s Product of the Year and Specialty Graphic Imaging Association’s Magnus Award.

You’ve definitely heard of its customers — New Balance, Family Circle Cup, Cabela’s, Boy Scouts of America, Paramount Studios, MTV/VH1 and many others.

Vapor Apparel is distributed throughout the U.S. — from New York to California; in Europe — Belgium, Germany, Italy, the Netherlands, Portugal and the UK; and in Australia.

The company makes on-demand performance apparel using a digital printing process that binds ink at the molecular level for customization. It also uses a unique fabric that not only wicks away moisture, but that’s microbial and stain resistant.

Both the product and the process make the company a standout. But the real secret to its success is its innovative leadership. Co-founders Bernat (chief revenue officer) and Burnett (president) bring a diversity of backgrounds, education and skill sets to the business.

Clemson connections

Chris Bernat came to Clemson from Navesink, N.J. He recalls visiting several schools and finding that Clemson “just felt right.” He majored in English and credits “great professors, Dr. Charney, Dr. Steadman” and others with having a major impact on his writing, speaking and marketing skills.

As for the overall Clemson experience, he says, “Learning to balance school, work, fraternity (SAE) and the National Guard was great practice for today’s demands.”

Jackson Burnett grew up a Clemson fan in Greenville. He says, “I applied to several different colleges and universities, but Clemson was the first letter of acceptance I received. I didn’t need any more.”

Burnett majored in textile science with a concentration in environmental science. He also earned an international MBA (master’s degree in business administration).

“We have a performance apparel brand, we’re working with a mill partner in Colombia, and we’re selling in several international markets,” says Burnett, “so you can see I’m definitely applying my education.”

He too found time for fraternity life (KA) and met Bernat while socializing in front of Wannamaker on the Quad. After graduation, both men worked for a time with the same digital imaging technologies company. Once they decided to start their own company, they drew up a business plan that complemented core technologies and expanded the market.

In the past six years, Vapor Apparel, a subsidiary of Source Substrates, has gone from being managed out of the homes of its founders to its own custom-renovated, LEED-certified center at the old naval base in North Charleston. And its wares are now distributed throughout the U.S., Europe and Australia.

But the partners, avid Tiger fans, still have time for Clemson. In fact, several years ago, Burnett began the Tradd Gibbons Endowment for a Clemson fraternity brother who passed away. Supporters have already raised significant funds for the endowment, which will eventually grant an academic or athletic scholarship to a Wando High School student to attend Clemson.

Going green

Even as the economy has stalled over the past few years, Bernat and Burnett have remained determined not only to grow their business but also to try to enhance its commitment to the environment.

The company’s clothing is made in Colombia, the 10th greenest country on the planet (according to the 2010 Yale University Environmental Index) where the national power grid is almost 70 percent renewable energy.

Vapor Apparel uses a water-based ink solution and works with a number of fibers including yarn made from 100 percent post-consumer recycled materials. But perhaps the biggest part of Vapor Apparel’s green plan is its decision to operate in a LEED-certified building, a rarity in the industry, in the historic navy yard in North Charleston. It was the first private company to sign on with the Noisette Co. at 10 Store House Row, where the commitment to LEED had begun several years earlier.

In 2009, the business partners expanded from a 2,200-square-foot office to its current 22,000 square feet. The eco-friendly facility, which has been rid of lead paint, takes
advantage of natural light and green building materials. A water-based air conditioning system reduces energy costs, and the facilities reduce water usage by 66,000 gallons a year. Vapor’s expansion and relocation also eliminated about 400 hours a year in work-related driving.

“Being part of the redevelopment of the Charleston Naval Base means a lot to us,” says Bernat. “There’s real change going on down here if you know where to look. And we are thrilled to be neighbors with the Clemson University Restoration Institute.”

**Shaping the industry**

Along with nourishing its own growth and eco-responsibility, Vapor Apparel is helping to shape the industry by example and by education. Bernat is a frequent speaker and educator on mass customization, sublimation and digital print technologies for many groups including The Imprinted Sports Wear Show, The Printwear Show, National Sporting Goods Association and Specialty Graphic Imaging Association (SGIA).

At SGIA, Bernat and Bernatt spearheaded the creation of the Digital Apparel Production Zone to help educate the apparel market on digital printing. Bernat has since been invited to sit on the SGIA board of directors. In addition to presenting at conferences and trade shows, Bernat has written for Impressions Magazine, Printwear and the SGIA Quarterly Journal.

Reflecting on the current state of the industry and Vapor Apparel’s success, he says, “Customization is one of the largest trends of our lifetime. The customization trend of clothing is only beginning. By working with clients to create vertical content — we have been able to harness its economic power into retail environments.”

And holding on to their personal green-standard commitment is an added bonus for their business. When the 2010 Family Circle Cup named Vapor Apparel its official apparel partner, general manager Bob Moran said, “There are not many performance apparel brands that can choose the suppliers of structural composite assemblies — selecting Liberty Aerospace of Melbourne, Fla., and Flytech Kft. of Szombathely, Hungary. “At ICON, we do our homework to ensure we get to great solutions — and this is just another example,” says Hawkins. “Partnering with established suppliers allows ICON not only to reach production sooner, but also to accelerate the production ramp to meet the impressive demand we’re seeing for the A5.”

The first commercial A5s should be ready to take to the sky later this year. And they can’t come too soon for the nearly 500 customers on the waiting list.

We can’t say for sure who’s on the waiting list, but we can tell you that the A5 has received high praise from top airline and boat executives, champion NASCAR driver Carl Edwards, seven-time Supercross champion Jeremy McGrath, world-renowned air show pilot Sean Tucker. And you may have seen it in blockbuster movies starring Robert Downey Jr. and Tom Cruise.

**Back to Clemson**

When Clemson mechanical engineering student Ross Epstein read about ICON Aircraft, he knew he had to meet Kirk Hawkins. After many e-mails, calls and conversations, he got an invitation to visit ICON in Los Angeles. And over a year later, he found himself in the dream position, managing to get an internship with the company last summer.

During his two-month internship, Epstein was tasked with building a motion flight simulator and flight simulator for the ICON A5. Two of these simulators were included in ICON’s booth at EAA AirVenture Air Show in Oshkosh, Wis. (See “In his own words,” p.16, for more on his project.)

As for the ICON internship, Epstein says he experienced “a business that combines great marketing, propelled by an award-winning product that can stand on its own, created by a phenomenal team of skilled individuals who seem like family.”

Hawkins is a mentor to other Clemson students as well. Last year he returned to the Upstate to speak about entrepreneurship as part of Clemson’s Spiris Institute for Entrepreneurial Leadership and to visit MBA classes at Clemson at the Falls in Greenville, home to the College of Business and Behavioral Science’s MBA program and Small Business Development Center.

ICON Aircraft, like Vapor Apparel, will be interesting to watch in the coming years. Both are powered by tremendous energy, a “no fail” mindset and a passion for getting it right. And we like to think the Clemson experience, both in preparation and determined spirit, has a role, too.

For more on Vapor Apparel, go to vaporaaprl.com. For more on ICON Aircraft, go to iconaircraft.com.
Clemson at the Falls — hub for business education

Clemson at the Falls — overlooking the Reedy River in downtown Greenville — is Clemson’s innovative new hub for business education. It combines all Clemson MBA programs, all Renaissance Center activities and programs, an office of the Spiro Institute for Entrepreneurial Leadership, the regional offices for the Small Business Development Center and Professional Advancement and Continuing Education under one roof. The result is a dynamic synergy among students, faculty, business leaders, industry and the Upstate community. For more information, go to clemson.edu/cbbs/clemsonfalls.html.

In his own words

ROSS EPSTEIN, PRESIDENT of Clemson’s student section of American Society of Mechanical Engineers, created simulators for ICON Aircraft during his internship. Here’s his description of the project.

Rather than reinventing the wheel, I found a great company that built Formula 1 motion simulators, CxC Simulations. I took their production simulator and transformed it into a flight simulator. I designed the control panels (switch panels) and flight controls (stick, throttle & rudder). Some items were purchased and some were fabricated from scratch. The physical flight deck was equipped with 3 46” LCD screens. For the virtual display, we used a flight simulator computer game called X-Plane. The A5 had to be designed virtually in X-Plane. All of the flight characteristics had to be dialed in so the virtual model would behave aerodynamically and hydro-dynamically like the A5. I made use of Dr. Figliola’s aircraft design class in order to work with ICON’s design engineers to develop the A5 virtually. Once two simulators were complete, they were included in ICON’s booth at EAA AirVenture Air Show in Oshkosh, Wis. Nearly 600 people rode the simulators at the air show. It was a terrific experience!

Our new looks have great taste.

Think you know all the eateries on campus? Think again.

We’re always working hard to improve your dining options when you visit.

Those who are running short on time can visit the Eastside Food Court for a quick bite at the new Papa John’s and POD Mini Mart.

If you’re craving a burger just the way you like it, the Fernow Street Café now features the Burger Studio where you can build your own masterpiece with sirloin, chicken and vegan burgers. An interactive touch-screen kiosk allows you to celebrate your individuality by choosing from tasty toppings, wicked cheeses and insane sauces — all while you watch your sandwich develop on the screen. It’s also open for breakfast so you can awaken with artful English muffins and biscuit sandwiches with all the fixings.

For those in the mood for something traditionally Clemson, drop by the Clemson House dining hall for an all-you-care-to-eat meal — it’s been fully renovated for a modern experience with a comfortable feel.

Stop by the next time you visit campus to savor our new looks and great tastes!
no construction material except for a single pile of bricks. The latest new hope for self-sufficiency seemed to be snuffed.

The plight of Okurase is a familiar one: poverty, illness and a lack of water, infrastructure and education in a remote village of about 2,500 residents. The setback was just another in a long series.

1 x 4 x 2 = Hope
But the same architecture studio that designed the buildings had another idea: design, build and deliver another brick-making machine. Eventually, they would do even better. In October, four new machines arrived in the village. And while the old machine made one brick at a time, the new ones make two at a time. Moore spent almost eight weeks in Ghana. He worked on site preparation for the first of the Nkabom Centre buildings while his wife, Evan, used her Winthrop University degrees in dance and in communications disorders to set up after-school workshops for the children, along with project coordinator Nana Ama Yeboah. Moore hoped to be there when the Clemson brick machines arrived, but the shipment was late and didn’t reach Ghana until he was back in South Carolina.

No matter. There was plenty to do and the people of Okurase were eager to help. So Moore worked alongside the Ghanaians on site preparation to ensure proper placement and solid foundation.

“They received our help not as a handout but as a partner. It’s our collective project. They were very receptive to that idea,” says Moore. “Nkabom means unity, and the word really fits the people and the project. They love life, they love people, and there’s a sense of community that’s unparalleled here in the U.S.”

The first building in the complex will not only be made of the bricks, it will also be made for the bricks. At 16,800 square feet, it will be, by far, the largest building in the village and home to the brick-making enterprise. The people of Okurase will use the building to produce the revenue that will lead to construction of the rest of the Nkabom Centre. Their textile crafts will be moved there, as well as drum-making — the tradition that led to the partnership in the first place.

A drummer named Powerful
Cynthia Cupit Swenson, professor of psychiatry and behavioral sciences at the Medical University of South Carolina and a volunteer with Project Okurase, helped connect Clemson and Ghana through a renowned drummer and drum-maker named Powerful. After a drum-making partnership that connected a community anti-violence project in Charleston to the drum-makers of Okurase, Powerful suggested a long-lasting partnership that could help the Ghanaians reach a level of sustainability.

“The idea is to work together for the people of Okurase to develop the means to help themselves,” she says. “They’re very open, honest people, and they are so eager for this chance to build something lasting.”

Ray Huff, assistant professor and founding director of the Clemson Architecture Center in Charleston, says the brick machines and the center will have a ripple effect on the community.

“We hope this leads to a level of self-sufficiency for the people of Okurase. They can use the bricks to build the center. But it’s more than that,” he says. “They can teach people how to make compressed earth bricks, and they can train people in how to build, and when they have more bricks than they need, they can sell them.”

Making a difference, Clemson-style
The project is a service-learning tradition that is the legacy of Robert Miller, who was director of the Clemson Architecture Center in Charleston for 10 years before accepting a position with the University of Arizona last summer. Miller’s studios tied architecture to community service to bring about something good.

The studio connected with Project Okurase first to design the Nkabom Centre for Skills Training and Formal Education. The 16-building complex will give the village a place for health care, teaching, job skills training, child care and more.

Huff says the Clemson machines had to be made because of the absence of electricity and durable enough to withstand years of heavy use. Time ran out for the students as the semester came to an end, but metal artisan Sean Ahern, a lecturer in the Clemson Architecture Center in Charleston, completed the design and construction of the machines that have been named the “Ahern Model.”

Denis Brosnan of the University’s materials science and engineering school tested the bricks for structural integrity.

“The Clemson professors and students have been incredible,” says MUSC’s Swenson. “It’s an amazing gift that provides this village a means for a better life. In Okurase there is a saying: You are invited. The people of Okurase would like the people of Clemson to know that there is a feeling of kinship and that they are invited to be part of the family of Okurase from here forward.”

For more on the Clemson Architecture Center in Charleston, go to clemson.edu/architecture. For more on the Okurase Project, go to www.projectokurase.org.
This year, Clemson launched The Will to Lead: A Campaign for Clemson, an effort to raise more than $600 million to support Clemson students and faculty by July 2012.

Kevin Dejonckheere
Mechanical Engineering Student

Kevin Dejonckheere has learned to lead by serving, devoting himself to a cause both personal and meaningful. After being diagnosed with bone cancer at age 19, Kevin was forced to leave his studies in mechanical engineering to undergo extensive treatment. But with the overwhelming support he received from Clemson faculty and friends, Kevin made it through the ordeal and now supports cancer research, especially for pediatric patients like those he met while hospitalized, by organizing a charity race and other fundraisers. Today, Kevin is back on track for graduation and a future, he hopes, that will continue to benefit others.

Students like Kevin are sharing the strength of the Clemson Family with the world through dedicated service to valuable causes.

Scholarships and fellowships, provided through the generosity of Clemson donors, help attract the kind of students who exhibit determination in everything they do. That generosity instills in our students the desire to give back in order to make a difference in the lives of others.

Will you be the one to make a difference? Will you lead? Make your gift or find out more at clemson.edu/giving.
An engineering graphics professor finds a way to help patients recovering from facial cancer. He teams up with a prosthodontist to customize and speed the production of facial prosthetics, helping restore patients’ self-confidence and emotional health.

A bioengineer works with a veterinary sciences professor with expertise in mammary stem cells to improve understanding of breast cancer in humans and to create engineered tissue for pinpointed research and better treatment.

A chemist develops ultra-bright nanoparticles with fluorescent dye molecules that make it possible to track individual virus particles inside a living cell with amazing precision. His work will help other scientists tracking plaques and fibrils in the brain associated with Alzheimer’s and other diseases.

An expert in engineering bone tissue works with an orthopedic surgeon on implants, creating bone plugs and developing ways to fix them into place in defects. Her work will help trauma patients regain mobility and function more quickly.

How do experts in seemingly unrelated fields discover these life-changing connections that affect us all? They cross paths, run into each other, find new possibilities outside their own boundaries.

New ideas frequently occur at the intersection of seemingly unrelated concepts or fields. Clemson professor and alumna Karen Burg (M ‘92, PhD ‘96) takes it a step further calling it a welcome collision.

“Often it takes a collision of different perspectives to have that ‘Aha!’ moment,” says Burg, whose team works with experts not only campuswide and statewide but also nationally and internationally. “Innovation at the boundary of disciplines allows a field to move forward in leaps rather than slow steps.”

Burg directs Clemson’s Institute for Biological Interfaces of Engineering — IBIOE, for short, pronounced “I-bio-E.” The institute’s mission is to develop clinically relevant biomaterials technology and products for disease management and (this is where we come in) to apply this research to patient care.

Clemson University innovation allows the medical field to reach patients in leaps rather than small steps.

New model for medical leaps

IBIOE grew from this desire to facilitate the collision of different perspectives — bigger breakthroughs in the lab that are more quickly applied in the field.

The institute is a South Carolina-based interdisciplinary research and educational unit, spanning Clemson’s academic colleges. And as you can guess by now — it’s not your typical university research unit.

It isn’t housed in a college or in a department or restricted by boundaries associated with academic units. And it doesn’t depend on tenured or tenure-track faculty members who have allegiance to a discipline and who dedicate time to institutes only on an “as available” basis.

With the IBIOE model, research is built around permanent research faculty members who are 100 percent research-focused and who, therefore, understand and can meet timelines, goals, industry requirements and other constraints. These faculty members can then connect with tenured and tenure-track faculty, drawing them in as needed.

IBIOE faculty collaborators range from engineering to biological sciences, psychology to statistics, computer science to management.

Leading the researchers, along with Burg, is IBIOE deputy director Guigen Zhang, an expert in stem cell tissue engineering, multiphysics modeling and micro/nano bioengineering. He recently received a $100,000 grant from the Bill & Melinda Gates Foundation through IBIOE to help fund work to create low-cost diagnostic tools for doctors in developing countries.

From scientist to surgeon

The collaborative nature of IBIOE is designed not only to make cutting-edge breakthroughs in biomaterials technologies, but also to get them into the hands of those who can use them to change lives.

In the process, the institute is becoming a go-to electronic research and training “collaboratory” to facilitate surgeon-researcher interactions and accelerate advanced technologies to the clinic.

To do so, the institute collaborates with foundations, other universities, industry and centers on various research initiatives and projects. In addition to the Gates Foundation grant for diagnostic tools, the National Science Foundation has awarded $2 million to IBIOE to build tissue models to study the relationship between low oxygen tumor environments and the progression of cancer.

Avon Foundation for Women has granted IBIOE $195,000 to support research aimed at improving reconstructive breast surgery using engineered tissue that contains anti-cancer properties. And the Department of Defense has awarded $2.9 million for developing engineered breast tissue that will be used to study the causes, progression and treatment of breast cancer.

Another collaborator is the AO Foundation (Arbeitsgemeinschaft für Osteosynthesefragen), which supports basic scientific, preclinical and clinical research in all areas of trauma, surgery of the musculoskeletal system and related problems. This Swiss foundation has provided continued grant funding to IBIOE to build bone models and technology to test new methods of improving bone repair in large bone defects.

Synthes — a global medical device company specializing in the instruments, implants and biomaterials for the surgical fixation, correction and regeneration of the human skeleton and its soft tissues — is sponsoring IBIOE biomaterials research in the area of trauma management and reconstruction.

IBIOE also works with the Medical University of South Carolina (MUSC) Center for Functional Outcomes and Reconstructive Biotechnology, a clinical research center devoted to returning function and quality of life to patients who have lost oral/facial structures. MUSC clinicians are working with IBIOE faculty to develop hard and soft tissue cell-based reconstructive therapies.

By Liz Newall
complex biomedical ideas that teachers can incorporate in IBIOE students, with the help of IBIOE faculty members, have Teacher Training seminars. training programs for teachers based on the Clemson campus, all Carolina through National Science Foundation-sponsored summer help IBIOE researchers transfer their work from the lab to the real hone technical, entrepreneurial, communication, leadership and companies. Its staff members are working with IBIOE researchers state and federal agencies, educational institutions and private outreach program that supports the computing activities of various Making such research and collaboration possible is Clemson's biology studies, including mechanisms of cancer metastasis, vascular and immune interactions during cancer growth. Making such research and collaboration possible is Clemson's Computing and Information Technology (CCIT). CCIT maintains an outreach program that supports the computing activities of various and facilitates widespread participation from non-IBIOE students. supports high-achieving minority students pursuing doctoral studies me Doctor™. This professional development intensive program supports high-achieving minority students pursuing doctoral studies through IBIOE; the long-term goal is to institutionalize the program and facilitate widespread participation from non-IBIOE students. Call Me Doctor Fellows are paired with a mentor/advisor and work in the IBIOE collaborative, team-based research and training environment. Part of the Call Me Doctor student's experience is partnering with educators, other students and faculty mentors to deliver cutting-edge science and engineering concepts to the community and K-12. Huge business potential Another of IBIOE's goals is to maximize economic development for South Carolina through the establishment of an internationally recognized Medical Research Center with industrial partners. Business opportunities are both huge and proven. An example is KIYATEC, a company founded by Matt Gevaert M '99, PhD '03 and David Orr PhD '06 in 2005, based on an IBIOE technology. KIYATEC's corporate mission to commercialize novel 3-D cell culture technology developed in IBIOE's laboratories. It was awarded the 2007 Five Ventures innovation award, and its founders were recently featured among "Twelve People Whose Technology Will Change the World" in Greenville Business Magazine (April 2010).

KIYATEC personnel work to deliver enabling 3-D cell culture tools for the pharmaceutical, biomedical and life science industries. These efforts will ultimately provide researchers and clinicians with advanced in vitro diagnostics for improved understanding in cell and systems biology, drug development and clinical diagnosis.

The underlying principle of KIYATEC — as IBIOE researchers on the front edge of these discoveries have found — is that there are great advantages in growing cells in three dimensions," says KIYATEC CEO Gewart. "KIYATEC's proximity to IBIOE provides a workforce development advantage. IBIOE exposes students to disparate areas of expertise and produces students that have exactly the skill set that we require for KIYATEC." IBIOE continually looks for business opportunities and therefore often collaborates with Clemson’s Arthur M. Spior Institute for Entrepreneurial Leadership. The Spior Institute supports educational, research and outreach programs that promote entrepreneurial activity and economic development of the region, state and nation. IBIOE researchers, in collaboration with the students and faculty members of the Spior Institute, are involved in intellectual property process, including the development of more spinoff companies and forecasting of new business opportunities. For example, a Spior MBA team evaluated IBIOE's tissue test systems technologies last year. "They developed a fantastic market analysis," says Burg. "One of the students from that team is beginning similar analysis of an absorbable tissue expander that we are assessing for craniofacial application as well as breast tissue engineering. Spior students will also be developing a marketing piece to facilitate technology transfer to industry." To make the most of economic development opportunities, IBIOE has appointed Clemson University's first Professor of the Practice — an expert whose industry or business background aids the University's mission — Steve Hunter. Hunter, who spent 39 years with General Electric, is helping pair private-sector connections with its core researchers and will mentor students on real-world applications for research.

Doing as teaching The educational goal of the institute is to immerse students and medical residents in a technologically diverse environment. IBIOE is heavily involved in community outreach and education through performing biomedical demonstrations. These activities help IBIOE researchers transfer their work from the lab to the real world for others to see firsthand. The institute’s role in teacher education reaches across South Carolina through National Science Foundation-sponsored summer training programs for teachers based on the Clemson campus, all the way to Massachusetts through the Boston Museum of Science Teacher Training seminars. IBIOE students, with the help of IBIOE faculty members, have developed half a dozen classroom-friendly modules that convey complex biomedical ideas that teachers can incorporate in the classroom while helping IBIOE researchers become better presenters and communicators outside the laboratory setting.
Clemson Renaissance man
James Oliver “Jim” Sweeney ’39, HD ’10

When Clemson conferred nearly 700 degrees in August, the University also presented a special honorary degree to electrical engineering graduate Jim Sweeney of Highlands, N.C., for his outstanding career and support of the University.

After graduation and then foreign military service, Sweeney joined General Electric Corp. — and stayed for nearly 40 years — where he worked in test program administration, market research, and planning, marketing and business management.

At Clemson, he led volunteer efforts that created unrestricted scholarships, the Class of 1939 Faculty Award for Excellence and an endowment for the S.C. Botanical Garden. He’s a charter member of the Presidents Club and was chairman of the Class of ’39 Golden Anniversary committee. The Clemson Alumni Association named him Volunteer of the Year in 1998 and awarded him the Distinguished Service Award in 2000.

Sweeney is also a well-known numismatist expert. He has authored and co-authored numerous articles and has written several books on coin collecting, including the prize-winning two-volume reference titled Tempus in Nummis.

Calling Class of 1961!
Plan now to come home to Clemson for your 50th Reunion, June 9-11. To find our more about the Class of 1961 Golden Anniversary and how you can support the class project, go to clemson.edu/1961 or call 864-656-1240.

Lowcountry leader
Arthur Herbert “Doc” Lachicotte Jr. ’49

When you think of Pawleys Island, you probably think of “hammock.” And if you know anything about the area, you’ll probably think of “Lachicotte,” too, a family name deeply rooted in the Lowcountry.

Arthur Herbert Lachicotte Sr. ’13 established the original Hammock Shop in the 1930s. His son, Doc, came to Clemson, served in the military and returned to earn a degree in horticulture. Doc then helped expand the family business to include a nursery, and from there, he added a real estate agency. He retired as planning engineer for flood control projects. He’s the proud father of three Clemson alumni — Marcy ’86 (MASC), Tom ’88, M ’90 (IM) and Eva ’89 (ECON). Eva serves on the senior advisory board for the College of Business and Behavioral Science.

1961
Ron E. Cowart (HORT, M ’63) of Elgin has launched a landscaping consulting business, Cowart Landscape Consulting. He’s also a horticulture lecturer at Midlands Technical College in Columbia.

Luke A. Nance Jr. (AGE, M ’67) of Columbia received the Association of Retired Conservation Service Employees President’s Award for Outstanding Community Service for his voluntary service to the agency. He retired as planning engineer for flood control projects.

1967
Ronnie E. Bullock (SED) of Oxford, N.C., was elected to serve a four-year term as a city commissioner.

1968
“David H. Wilkins (HIST, HD ’03) of Greenville is a member of the board of trustees for SC BIPEC — business and industry political education committee. The chairman of the Clemson Board of Trustees is the former U.S. Ambassador to Canada and serves on the board of directors for the Park Artisians, the Royal Bank of Canada, North America and the Greenville Area Development Corp.

1970
Donald S. Cherry (PhD CHEM) of Blacksburg, Va., was conferred the title of professor emeritus by the Virginia Tech Board of Visitors. He’s a retired professor of biological sciences.

1971
Robert M. Behling (POS) of Wrennerville, Pa., is borough manager for the Borough of Manheim in Lancaster County.

1975
Mike E. Elkenbrock (RPD, PhD ’80 APPLICE) of Blacksburg, Va., serves on the Virginia Tech Board of Visitors. He’s a professor of agriculture and applied economics in Clemson’s College of Agriculture, Forestry and Life Sciences.

1976
Edward M. Gouge (PHD CHEM) of Clinton retired as the Daniel Professor of Chemistry, College of Arts and Sciences at Presbyterian College. He’s an adjunct professor in the college’s School of Pharmacy.

1977
Teresa W. Knight (POS) of Gray Court is chairman of the S.C. Bankers Association. She’s executive vice president of bank administration, human resources and marketing for The Palmetto Bank.

1979
Robert H. Jones (FORTMG, M ’81 FOR) of Morgantown, W.Va., was named dean of Ebere College of Arts and Sciences at West Virginia University.

1982
J. Wayne Merck (ME, M ’93 BUSADM) of Greer is a senior adviser for Angelo, Gordon & Co.’s private equity group. He also serves on the board of the firm’s portfolio company, KEE Action Sports.

1987
Ronnie E. Bullock (SED) of Oxford, N.C., was elected to serve a four-year term as a city commissioner.

1988
J. Wayne Merck (ME, M ’93 BUSADM) of Greer is a senior adviser for Angelo, Gordon & Co.’s private equity group. He also serves on the board of the firm’s portfolio company, KEE Action Sports.

1950s mystery solved!

Thanks to Frank Townsend ’85 of Aiken, we’ve solved the mystery in which we asked readers to help identify a Clemson “C” charm and a photo signed “Patrick” (summer/fall 2010, p. 26). Townsend told us the photo was of his childhood neighbor and friend Patrick Allen, whose father, Albert “Ab” Allen, was a 1956 graduate. Ab, a member of the Central Dance Association, had given the “Jr., Sr.” bracelet to his wife, Judy, many years ago. Ab passed away in December 2009, so having this token of his love returned was especially touching to Judy. A special thanks to Risa Weiss, whose kind heart and strong will made this reunion possible! For more on the story go to www.aikenstandard.com/Local/090202measure.

Dairy legend and civic leader
Frank S. Hancelk Jr.’55

Dairy graduate Frank Hancelk grew up on Cobury Dairy in Charleston, a company co-founded in the 1920s by his father. He helped it become the largest independent dairy in South Carolina, also with customers in North Carolina and Georgia, and served as its president and CEO. The Charleston Metro Chamber of Commerce recently presented him with the 2010 Joseph P. Riley Leadership Award for his outstanding leadership qualities and skills to make the region a better place.

He has been active in civic, community and charitable affairs including leadership roles in the Trident United Way, March of Dimes, Lowcountry Red Cross, Charleston County Parks, Recreation & Tourism Commission, S.C. Jaycees, Charleston Clean City Commission, Charleston Rotary Club, S.C. Chamber of Commerce and others.

For Clemson, he has served on the Foundation Board, Board of Visitors, Dairy Science Advisory Board and the Commission for the Future of Clemson. He received the Alumni Distinguished Service Award in 1985. He and his wife, Loraine (pictured here), have also provided for the Frank S. & Loraine B. Hancelk Family Endowment for the Clemson University Libraries, the Frank S. & Loraine B. Hancelk Family Endowment for the Class of ’55 Exchange and a generous gift to the Palmetto Challenge Program.
Still ‘Making It Grow!’

Clemson Public Service Activities’ “Making It Grow!” — featuring three College of Agriculture, Forestry and Life Sciences alumni — Rowland Alston Jr. ’70, M ’72, Amanda McNulty ’80 and Tony Melton ’80, M ’86 — has won its sixth Emmy Award from the Southeast Regional National Academy of Television Arts and Sciences! The live, interactive call-in program is produced at WRJA-TV in Sumter and provides viewers with research-based horticultural information. Alston, the host, and featured guests focus on gardening topics and highlight interesting places and products around the state. Extension agents McNulty and Melton are contributors for the ETV show.

Key KEMET team

KEMET Electronics Corp., headquartered in Greenville, has an Extended Leadership Team comprised of approximately 100 employees that hold leadership positions from around the world. Seventeen of these key employees are Clemson alumni.

The team helps the company formulate, develop and execute the company’s strategic plan. From left are Larry McAdams ’73, Chuck Meeks ’83, Randy Hahn ’81, Keith Moore ’97, Ben Freeman ’77, Tommy Weir ’78, Travis Ashbourn ’94, June Cely Lancaster ’70, Debra McAlister Ham ’78, John Powers ’80, Hal Perkins ’80, Bob Wilcoxby ’88 (not pictured), Jim Brurton ’73, Jim Piller ’91, Franklin ‘91, Bill Stoka ’93, Patrick Stringer ’95).

Food safety expert Donna Garren ’99

Food science and human nutrition graduate Donna Garren is the new president and general manager of NSF Davis Fresh, a modular, food safety and quality program within NSF International, The Public Health and Safety Company™. NSF International is an independent, not-for-profit public health organization that certifies products and writes standards for food, water and consumer goods to minimize adverse health effects and protect the environment.

Garren has more than 14 years of experience working in the food industry. Most recently, she served as vice president of Food Safety Programmes for The Consumer Goods Forum where she managed the Global Food Safety Initiative activities in the North American region.

She also served as vice president of Health and Safety Regulatory Affairs for the National Restaurant Association and earlier as vice president of Scientific and Technical Affairs at the United Fresh Fruit & Vegetable Association. In 2005, Produce Business Magazine named Garren one of the produce industry’s “40 under 40 Rising Stars.”

*Active Clemson Fund donor for 2011 Fiscal Year (July 1, 2010 – June 30, 2011) through October 14. For more information, call Annual Giving at 864-656-5896.
Disc golf world champ

Physics graduate Sarah Stanhope ’03, M ’07 is the 2010 Professional Disc Golf Association (PDGA) Women’s World Champion. She beat out competitors from Texas, Florida, California, Michigan, Oregon, Japan and elsewhere. She also won the PDGA rookie of the year award in 2007.

Stanhope, who earned a master’s degree in administration and supervision, teaches at Eastey High School. She’s president of the FootHills Disc Golf Club in Eastey and runs a club at the high school.

Outstanding volunteer in Afghanistan

Ceramic engineering graduate Capt. Kevin McClure ’00 of the 1-178th Field Artillery Battalion, S.C. Army National Guard, was recently awarded the Military Outstanding Volunteer Medal for exceptional volunteer service to the Afghan people.

He was deployed to Afghanistan early last year where he helped six schools in Kabul. While there he volunteered more than 100 hours of his time to help distribute clothing and school supplies to hundreds of poverty-stricken Afghan children. He also worked with the elderly and helped restored well water to the village. McClure is now back at home in Murrells Inlet.

4 Seasons veterinarian

A

Animal science graduate and veterinarian Nan Moses has worked at home and abroad, including time in New Zealand and nearly a decade in Akron, Ohio. But several years ago she decided it was time to return to the Southeast and open her own unique practice — 4 Seasons Cat Hospital — in Charlotte, N.C.

Moses focuses all of her continuing education on felines and has hired her staff members on their love and understanding of this unique species. Her hospital provides care for internal medicine, surgical and behavioral cases. It promotes preventive care and has boarding and grooming services. She also works with local cat rescues and has established the Felines without Families Fund to help sick and injured cats that have no owners.

When she has time, Moses loves hiking and exploring the mountains. She also breeds and shows Maine Coon Cats.

Tiger in Cape Town

Psychology graduate Susan E. “Betsy” Sutherland ’03 of Charleston has earned a highly competitive Rotary International Ambassadorial Scholarship. She’s currently studying graduate-level courses in international relations and education at the University of Cape Town in South Africa, while visiting and working with schools in Cape Town and around the country.

She’s also serving as goodwill ambassador to Cape Town, and when she gets home, she’ll share her experiences of her host country with Rotarians and others. Sutherland plans to be back at Clemson next fall to work on a Ph.D.

Follow her blog at betsysutherland.blogspot.com.

4 Seasons veterinarian

Nancy T. Moses ’92

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Follow her blog at betsysutherland.blogspot.com.
Making life better in Mozambique

Nursing graduate Meghann Glenn ’09 is on a mission in Maputo, Mozambique, with Iris Ministries’ Zimpepo Base. She works within base facilities including schools, children’s centers, homes and churches. Mission activities include feeding programs, spiritual and medical care, orphanages, schools, children’s centers, homes and works within base facilities including medical care, orphanages, schools, children’s centers, homes and churches. Mission activities include feeding programs, spiritual and medical care, orphanages, schools, children’s centers, homes and works within base facilities including medical care, orphanages, schools, children’s centers, homes and works.
**TRAINING TOMORROW’S LEADERS TODAY**

Training leaders. It’s never been more important. Clemson’s ROTC programs have been training America’s leaders for over 100 years. The Clemson Corps provides scholarship support to current cadets in both Army and Air Force ROTC.

To help fund scholarships for our future military leaders, use the envelope in this magazine, or make a secure online contribution at clemson.edu/giving. Specify that your gift is for the Clemson Corps scholarship endowment.

**What’s new?**

We love to hear from you!

**Audience of Honor**

- **Annette Shealy Stuck** with Kay Hall, dean of Clemson Libraries.

**Happy Birthday, Aunt Annette!**

Annette Shealy Stuck, who grew up in a large household in Chapin, has always loved Clemson. From her childhood experiences of seeing Extension Services support the Shealy family farm to decades of Tiger tailgating with family to encouraging nieces and nephews as they earned Clemson degrees. She also values libraries and the printed word — having spent most of her public service years working for the South Carolina State Library. So, to celebrate her 70th birthday, five of her nephews and nieces — all Clemson alumni — honored her with a special Clemson gift in the Cooper Library.

**Mike Shealy ’81**, along with cousins **Gregory ’88, *Paula Shealy Garcia ’89, *Jody ’92 and *Kendall ’97**, dedicated one of the library’s new overstuffed chairs in her honor, marked by an engraved brass plate.

To learn how you can honor a loved one with a donation to the Clemson University Libraries, go to clemson.edu/audience.

**AUDIT OF DONOR RECORDS**

The University’s internal auditing department will mail confirmation letters to a sample of Clemson University Foundation donors. This annual audit procedure helps validate the integrity of donor records. If you receive a confirmation letter, please complete and promptly return. For more information, contact Jeff Rozenganger, internal auditing, at jrfed@clemson.edu or 864-656-4896.

**Address changed?**

Please send your old address information from the back cover with your new address.

**Sorry for the delay!** You may not see your class note in the issue or two after you send it in because of the amount we receive and the cutoff time necessary to keep the magazine on schedule. But we will include it as soon as possible. Thanks for your patience.

**Are you receiving duplicate copies of this magazine?** Please help us keep our mailing costs down by sending your address information from the back cover so that we can delete it from our list.

**What's new?**

- **Address changed?**
- **Are you receiving duplicate copies of this magazine?**
- **Sorry for the delay!**

**We welcome general comments, address information, class notes, birth announcements and passing announcements.**

Send your news by e-mail to sleigh@clemson.edu or FAX to 864-656-5004. Or mail your news to Clemson World, 114 Daniel Drive, Clemson, SC 29631-1520.

You can also update your information online at cualumni.clemson.edu/audience.

**Remember** — include your name (and maiden name), year of graduation, major, town and state.
1. South Dakota
Bill ’52 and Mary Alice
Burnett, Jim ’61 and
Louise Hall, and *Claudia
and *David ’74 Byrity at
Mount Rushmore

2. Croatia
Douglass Wilson ’76,
Mindy Higgs Taylor ’85,
Bill Taylor ’74 and *Larry
Gant ’59 overlooking
Dubrovnik

3. Grand Cayman Island
George ’63 and Ann
Harmon visiting a turtle
farm

4. Hungary
*Gary ’65 and *Toni
Faulkenberry in front of
the opera house in Budapest

5. Haiti
Brett Turner ’93 and
Earl Burch ’66, M ’68, PhD ’70,
professor emeritus of busi-
ness administration and
mathematical sciences, in
Bois Joli

6. Rhine River
Buck ’67 and Mary Reese
on a Rhine River cruise
through Europe

7. Northumberland
Mark K. ’07 and Miller S.
JR. ’59, Ingram at the end of
the St. Cuthbert’s Way hike
from Scotland to Lindisfarne
Abbey in North England

8. Peru
Bill Easterling ’83,
Dan O’Neal ’76, Cathy Curtan
Richardson ’77 and David
Smith ’80 on a mission trip
to Santa Clara

9. Africa
Jim Rowell ’83 with
his Tiger Rag at Camp
Lemonnier, Djibouti

10. Turks and Caicos
Islands
Tammy West and David
Williamson ’83 at the
beach

11. Scotland
Mike Ralings ’85 at the Old
Course in St. Andrews

12. Alaska
Lendam Harthon ’66, Jack,
Bill Carlisle and Randy ’96
Harris vacationing at Denali
National Park

13. Haiti
Jacob Nathans (student),
Wilson Eglein ’92, Katie
Jones ’69, Mark Buchholz
’98 and Randy Williamson
’97 on a mission trip

14. Hawaii
Lee, Megan Roberts ’90
and Ken Mcconn on top of
Diamond Head, Honolulu

15. Afghanistan
Bill Poling ’91 serving as an
infantry officer in the 101st
Airborne Division

16. Bald Head Island,
N.C.
*Ashleigh, *Diamond
Gethers ’94, M ’01 and
*Nataleigh Palmer in front
of “Old Baldy” lighthouse

17. Mexico
Denise Gary Shealy ’96 on
the Yucatan Peninsula in
Cancun

18. Iraq
Maj. Mark Tyndall ’96 and
*1st Lt. Daniel Phillips ’08
at Camp Taji

19. Afghanistan
*Todd M. Graham M ’98,
a major in the U.S. Air Force,
serving with the Marine
Expeditionary Force in the
Helmand Province

Michael Hader ’01, Maria
Ishmaa M ’09 and Lisa Britt
‘81 hiking the Ben Johnson
Trail at Muir Woods

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information, call Annual Giving at 864-656-5896.
For more Clemson World Travelers photos, go to clemsonworld.clemson.edu/travelers.

Fran McGuire
Alumni Distinguished Professor  
Department of Parks, Recreation and Tourism Management  
Class of ‘39 Professor

Fran McGuire is no stranger to leading the way for change. Over the past four years, he has worked tirelessly with a group of colleagues revamping the PRTM curriculum and developing an immersion program for second-year students called PRTM EDGE (Engagement in Diverse Guided Experiences), which offers an improved, hands-on educational experience while reducing the program’s cost. The innovative curriculum has broadened the future of this nationally recognized program and answered the challenge of today’s economy: giving students the best possible educational experience in the most cost-effective manner. Faculty such as McGuire are giving Clemson an academic edge by working to transform the way students experience and apply what they learn.

The competition for outstanding teachers and researchers is fiercer than ever today. The Clemson faculty is one of the University’s great strengths. And they deserve our support. Our donors make the difference by funding endowed professorships and chairs, research programs and facilities.

Will you be the one to make a difference? Will you lead? Make your gift or find out more at clemson.edu/giving.

If you sent in a Clemson World Travelers photo earlier this year, but haven’t seen it in print, go to the online version at clemsonworld.clemson.edu/travelers.

You can post your own Travelers photos on the Clemson World Magazine Facebook site at facebook.com/clemsonworld. Or send them, with a brief description, directly to Sallie Culbertson at sleigh@clemson.edu.

21. Alaska
Sam ’02, M ’04 and Emily Robertson ’02 Parsons overlooking Portage Glacier

22. Kenya
Aenea Wesley ’03 on safari in Masai Mara

23. Michigan
Betty, Brad, Lindsay, Bryan ’04 and Jim Garrison at half-ironman marathon in Benton Harbor

24. Baja
See, Lindsey Graham and USAF Capt. Andrew F. Smith ’05 at Al Udied Air Base

25. Argentina
Steven Bejcoholicere ’07, Rachel Yest ’07 and Andrew Sanki ’07 at Portillo Moreno Glacier in Patagonia

26. Austria
Ryan and Lauren M ’09 Kilberth at Schönbrunn Palace in Vienna

27. Turkey
Al Saunders ’08 in front of Istanbul’s Blue Mosque

28. Yosemite
Trevor Turner ’08 hiking at Yosemite National Park

29. France
Aubrey Coward ’09 in Paris

30. Australia
Caitlin Creweck ’09 and Edward Curtis ’09 kayaking off Moreton Island, Queensland

31. South Africa
Jesse Godfrey, student, in Johannesburg

32. Switzerland
Britton Hunter, student, highflying in the Swiss Alps at Interlaken

HOW WILL YOU LEAD?

This year, Clemson launched The Will to Lead: A Campaign for Clemson, an effort to raise more than $600 million to support Clemson students and faculty by July 2012.

The Will to Lead: A Campaign for Clemson

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Honorary Alumns — Cheryl Holland and Betty Poe

The Clemson Alumni Association has recognized Cheryl R. Holland of Columbia and Betty Sheppard Poe of Greenville as honorary alumnae for their tremendous roles in the Clemson Family. Holland, president of Abacus Planning Group Inc., has been named to the top financial adviser lists in Worth, Medical Economics and Wealth Manager Magazine and has been featured in The Wall Street Journal. She serves as vice chairperson for Clemson College of Business and Behavioral Science Senior Advisory Board. Holland and her husband, Doug Quackenbush ’82, gave Clemson $100,000 to support the Will to Lead campaign. Half of the gift was used to develop the Abacus Planning Group Endowed Scholarship in Financial Planning, and the other half went to the renovation and expansion of Lee Hall.

Betty Poe, a retired executive with Channel Insurance, is the widow of Clemson alumnus William M. “Billy” Poe ’46. She is a member of the Clemson University Foundation Board of Directors and recently served as co-chairperson of the leadership phase of the Will to Lead campaign. A longtime financial supporter, she’s a member of the Thomas Green Clemson Society and the Clemson Legacy Society. She and Billy named Memorial Stadium’s Poe Plaza, and she named Gate 1 in memory of her husband.

2010 Alumni Volunteer of the Year

Congratulations to Andrea L. MacMeccan ’99 M ’00 of Greer, the 2010 Alumni Volunteer of the Year! MacMeccan is vice president and process design consultant for Bank of America. She serves on the Alumni Association Board of Directors and previously served on the Alumni Council. She’s past chairwoman of the Women’s Alumni Council and former president of the Atlanta Clemson Club. She and her husband, Robert ’02, have been consistent donors to the University since graduation. “Not only does Andrea spend countless hours volunteering and leading alumni events and initiatives, but she also always finds time to encourage and inspire those around her,” says Wil Brasington, senior director of alumni relations.
Welcome, Treasure Coast!

Welcome to our newest Clemson Club — the Treasure Coast Clemson Club in Florida, covering Martin, St. Lucie and Okeechobee counties. Contact the club at treasurecoastclub@alumni.clemson.edu. We’ve also welcomed Berkeley County and San Diego Clemson Clubs! To find out how you can help start a Clemson Club in your area, contact Reed Cole at ccole@clemson.edu or 864-656-3605.

Columbia CG gathering

Tigers in Columbia gathered for fun, fellowship and featured speaker Will Merritt. Picture are J. Lewis Comer, past president of the club and Clemson Humanities Board member; Merritt, former Clemson football player and sports talk radio personality; and Sonny Jones, assistant S.C. attorney general. E-mail this club at columbiaclub@alumni.clemson.edu.

Pittsburgh picnic

The Pittsburgh Clemson Club gathered for a picnic at the home of Stuart Olson. For more on this club, contact Allison English at pittsburghclub@alumni.clemson.edu.

Record turnout for Black Alumni Homecoming

More than 450 Clemson Black Alumni came back to campus for Homecoming 2010 festivities! The tailgate event boasted unprecedented attendance on the Alumni Center lawn to enjoy food, music and fellowship prior to cheering on the Tigers from block seating in Death Valley. See more photos at flickr.com/groups/clemsonblackalumnicouncil/pool/show. For CBAC information, contact blackalumni@alumni.clemson.edu.

Jacksonville Freshman send-off

Jacksonville Clemson Club sent area freshmen to Clemson in style! For more on this club, e-mail jacksonvilleclub@alumni.clemson.edu.

CBBS Family Weekend

Clemson’s College of Business and Behavioral Science held a family gathering on campus in September with 300 guests. The event gave families the opportunity to visit their students, participate in the tradition of Clemson football and make new friends during a reception on the Sirrine Hall lawn. For more on CBBS alumni, go to clemson.edu/cbbs/alumni.

CAFLS Tailgate stuffs Tundra!

College of Agriculture, Forestry and Life Sciences students and alumni “stuffed the Tundra!” during the annual CAFLS Tailgate in October, uniting students, alumni, faculty and staff for a great day at Clemson. For more on CAFLS alumni events, go to clemson.edu/cafls/alumni.

IN-Theta Zeta and KDX — Has it been that long?

Nearly 200 Sigma Nu/Theta Zeta chapter members and Kappa Delta Chi founding fraternity members celebrated their common bonds during a reunion marking their 40th (IN) and 50th (KDX) anniversaries. To see more photos, go to flickr.com/clemsonuniversity, click on “sets” and choose “Sigma Nu Reunion.”

Like mom, like daughter

In September, 151 students received their rings from President Jim Barker at the Brooks Center as family and friends shared the moment. Students who’ve earned 90 credit hours at Clemson are eligible. The next ceremony — sponsored by the Alumni Association and the Student Alumni Association — is April 11. For more on the Clemson Ring Ceremony or Student Alumni Association, contact Stewart Summers at sssummer@clemson.edu or 864-656-5653.

Mark Your Calendar

• Alumni Distinguished Service Award Celebration — March 18
• Ring Ceremony — April 11
• Senior Week — April 25
• Bring Your Daughter to Clemson Weekend — May 20-22
• Clemson Reunion 2011 — June 9-11

Advance your career

Check out CAA’s new online career services! You can create, present, manage and share your professional credentials with the tools available through this new online application. Whether you’re building a résumé, preparing for an interview or searching for jobs, this new career services resource will help. Go to clemson-alumni.optimalresume.com or contact Glenn King at glennk@clemson.edu or 864-656-2345.

Clemson at Mount Vernon

One hundred members of the Clemson Club of Baltimore and Washington, D.C., enjoyed a beautiful day at the Mount Vernon Estate and Gardens in October. The group had a picnic-style lunch at the West Gate, the original entrance to the estate now closed to the public, followed by a private walking tour of the gardens led by Dean Norton ‘77, director of horticulture. View all photos at flickr.com/groups/clemsonclubpool/shares.

Travel with fellow alumni

The Clemson Alumni Association is offering exciting travel opportunities for our alumni and friends for 2011. From the Caribbean to an Alaskan getaway, there is something for everyone. Go to clemson.edu/travel or contact Randy Boatwright at brando@clemson.edu or 864-656-5671.

Find the perfect Clemson gift

Shop with your Alumni Association for special Clemson gifts — from books to baby gifts, from jewelry to apparel, from ring decals to custom ring plaques. Go to hearasonantone.com.

Clemson at Mount Vernon

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Promote your business on the Roar Board

The Roar Board is a Web-based business directory designed to connect Clemson alumni via common geographic and/or industry criteria. It allows you to locate other Clemson graduates when searching for a new service vendor or when entering a new geographic market. For an annual membership fee of $500, you and your company receive a prominent listing complete with company logo and link to the Clemson Alumni Association’s official website, which receives up to 20,000 unique user sessions per month. Register at www.clemsonroarboard.com.
Landmarks & Legends

Historic Riggs Field — Home to Clemson Athletics

Dedicated during the October 1915 Clemson-Davidson football game, Riggs Field has held home-field advantage for nearly a century of Tiger athletics.

When you think of Historic Riggs Field, you probably think soccer. But it’s more than home to Clemson’s proud soccer tradition; it’s the first field dedicated specifically to Clemson athletics.

Named for Walter M. Riggs, Clemson president (1911-1924) and first football coach (1896-1897), Riggs Field has been the scene of more athletic competitions than any other site on campus. Prior to Riggs, Clemson student athletes took to Bowman Field in front of Tillman Hall for competitions. Bowman Field was also the marching grounds of Clemson cadets and the stage for many other official events.

During Riggs Field’s 1915 dedication, then-president Riggs did the honors of booting the first kickoff. In addition to football, the field soon became the heart of other Clemson athletics, including track and baseball.

Football moved to Memorial Stadium in the early 1940s, and baseball was played where the tennis courts are now until Tiger sluggers got their own field during the early 1970s in what’s now Doug Kingsmore Stadium. Clemson’s tennis facility was constructed at about the same time on part of the original field.

In the 1980s, Riggs Field got new life as home to Clemson soccer. The soccer stadium was constructed in 1987, a premier facility at the time suitable for national champions.

That same year, the NCAA Men’s Soccer Final Four was contested on Riggs, and the Tigers won their second national championship on their own field. (They also won the 1984 NCAA Championship.) In 1988, 1994 and 2001, the men’s ACC championships were played there, and the women’s ACC championship in 1996.

Now, Clemson is working to make Historic Riggs Field a leading facility again. With 21st century upgrades from its playing surface and fan seating to its lighting and student-athlete facilities, the stadium will attract top recruits and give Clemson soccer fans a top-tier experience.

A major part of the renovation will be the Championship Plaza in recognition of the champions who have competed on the famed field over the course of nearly 100 years and made this one of Clemson’s treasured landmarks.

For more on Historic Riggs Field renovation plans, go to clemson.tigers.com/Riggs or contact Bobby Couch at jbcouch@clemson.edu or 864-656-0361.

A Community on the Move

Patrick Square, the lively TND community in the heart of Clemson, is buzzing with new construction, new families and a whole new way of life. You can hear it between hammers and saws and moving vans: Doors opening, children laughing and adults breathing a deep sigh of relief — that they’ve finally found just what they were looking for.

- Distinctive new homes with personalized designs that meet the needs of growing families, busy professionals and active retirees alike.
- A unique community that’s on the move. Along with even more new homes, the Town Center is set to break ground this fall.
- Enduring value. Including exceptional quality, builder incentives and homes designed to lower utility bills as much as 30 percent.


(864) 654-1500 • 578 Iasaquana Trail • Clemson, SC 29631
Village Homes from $269,000 to $400,000 • Custom Homes from the $600,000s • Custom Home Sites from $90,000
Lee Hall project boost

A $100,000 GIFT FROM PARTNERS IN A GREENVILLE ARCHITECTURE FIRM will support the expansion, renovation and restoration of Lee Hall, home to Clemson's design, build and visual arts disciplines.

Partners Ed Zeigler ‘77, M ’79; David Dixon ‘84, M ’96; Scott Powell ‘87; David Moore ‘88, M ’90; and Scott Simmons made the pledge for their firm, Craig Gaulden Davis of Greenville. Clemson will honor the donors by naming the Craig Gaulden Davis Review Alcove in Lee Hall.

The firm has a long connection to Clemson, from its founding in the late 1950s by 1951 classmates Kirk Craig and Earle Gaulden to the addition of partners Davis, Zeigler, Dixon, Powell and Moore. Partner Scott Simmons is a 1984 graduate of Virginia Tech.

Zeigler says, “When I arrived on campus in 1973, Lee Hall was under construction to make room for growing program needs. My partners and I are pleased to answer the call to expand and improve the facilities at Lee Hall to continue the tradition of developing outstanding design professionals.”

Lowry Hall project boost

ACM CHEMISTRIES INC. HAS PLEDGED $100,000 TO SUPPORT the expansion and modernization of Lowry Hall, home of Clemson's civil engineering program.

The company is led by a pair of Clemson civil engineering alumni — president Marshall L. Brown ‘82, M ’86, PhD ’88 and vice president Ted Light ‘86.

“Ted and I are very proud of our Clemson education, and we are glad to be a part of civil engineering’s continued growth and success,” says Brown. “The business we have today is a direct result of the education and research we had at Clemson. I’m grateful for what Clemson has provided me, not only a wonderful education, but also my wife, Cindra [Cindra Bell ‘86], an economics graduate I met when we were at Clemson.”

Norcross, Ga.-based ACM Chemistries Inc. is engaged in research, development and application of chemical admixtures for machine-made concrete products, such as pavers, roof tile and precast products.

“Right thing to do”

CHEMICAL ENGINEERING GRADUATE RON TAYLOR ’93 says his decision to contribute to his alma mater boiled down to just one thing: “It’s the right thing to do.”

His most recent $100,000 gift to Clemson will be divided equally between the President’s Leadership Circle — an unrestricted fund that allows the University to apply money where it’s most needed — and the Math Out of the Box program, an inquiry-based math curriculum for elementary school students.

The gift will help connect the math program with graduates of the Call Me MISTER™ program, which trains teachers from diverse backgrounds to serve in economically disadvantaged and educationally at-risk communities.

A former member of the Clemson University Foundation board, Taylor was instrumental in several major gifts connected with Dow Chemical Co., including the establishment of the Dow Chemical Engineering Alumni Endowment. A separate endowment bearing the Taylor family name provides need-based scholarships for freshman engineering majors.

CJ continues legacy

SHORTLY AFTER CLIFFORD “CJ” Spiller graduated in 2009 and before he headed off to the NFL, he visited the Barbers in the President’s Home. During that visit, he expressed how important his graduation was to him and his desire to help other students at Clemson and graduate.

He came back in October and did just that. At the Clemson vs. Maryland game, the University honored his great legacy as a Tiger by retiring his “28” Clemson jersey. And he in turn made a gift to help other Clemson students build their own legacies, both in athletics and academics.

He presented a One Clemson gift of $100,000. Part of the gift will go to Clemson football to allow Coach Dabo Swinney to direct the funds to the program’s greatest needs.

The other part will support President Barbour’s completion-grants initiative, which helps seniors who, without financial assistance, would be unable to complete their degrees.

Legacy Day celebrates people who've left their mark on Clemson

ALUMNI, STUDENTS, FACULTY, STAFF and friends celebrated Clemson history and the people who've left their mark on the University during Legacy Day in November.

The Fort Hill Legacy Society — honoring donors whose estate gifts have resulted in gifts of $1 million or more to Clemson — added the late Earl Charles Ray ’38, a chemistry graduate.

And the University installed a beautiful new bronze oak leaf in his honor with the existing seven Fort Hill Legacy Society leaves displayed on the grounds of Fort Hill, home to John C. Calhoun and Thomas Green and Anna Calhoun Clemson.

Ray, of Savannah, Ga., was the benefactor of the Earl C. Ray Student Assistance Endowment for graduates or undergraduates in chemistry or chemical engineering.

The Clemson Legacy Society — for other donors who remember Clemson in their estate planning — inducted 16 new members, bringing the total to 260, during the celebration. For more on legacy gifts, contact JoAnna King at jannaek@clemson.edu, 864-656-0663 or 800-699-9153.

Induction into the Cumulative Giving Societies honored Clemson’s most generous donors. For more on these societies, contact Kate Troelstra at kate@clemson.edu or 864-656-1331.

You can also find more information about gift plans to benefit you, your family and friends on the site at clemson.planyourlegacy.org.

46 © Clemson World — WINTER 2011
I understood what the Clemson Tiger Paw meant way before I understood what college was.

My aunt — Lisa Constante Torrence — graduated from Clemson in 1990, and I remember being at Littlejohn to watch her collect her degree. I was nine years old, and from my first visit to Clemson, it felt like a place I’d like to be one day.

I had no idea that Clemson would later give me the chance to combine my educational pursuits with my serious dedication to football. Thanks to my aunt, I received quite a load of Clemson goodies from a young age: a jersey, stuffed tigers, pompoms and more. Thanks to my dad, I received a lifetime full of knowledge about football.

After earning my economics degree at West Virginia University, I knew I wanted to get my MBA. Of course, I took a hard look at Clemson — and it was an easy decision to make. I came to Clemson to pursue a Master of Business Administration degree, and I decided to double down and also earn a Master of Arts in Professional Communication.

The opportunity to merge my study interests with my football interests came together thanks to the Atlantic Coast Conference. I discovered and landed an internship opportunity with the ACC — through the help of a classmate — where I blog about Clemson Football with national exposure. I still pinch myself at the thought of actually getting to do this “job.”

In my time at Clemson, I’ve met more people genuinely interested in me and my success than anywhere else (besides my family, of course). The Clemson Family atmosphere, sense of community and school spirit on campus (and not to mention Death Valley) are unrivaled.

I know that when I walk across the stage and accept my degrees, the entire Clemson nation will be rooting for me. It will be my turn to run down that hill.

I’m Melissa Constante and this is My Clemson.

After she earns two Clemson graduate degrees, Constante says her dream job will be to work at the corporate level for a bowl game organization or for the NFL in corporate relations and communication.
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