

CLEMSON WORLD

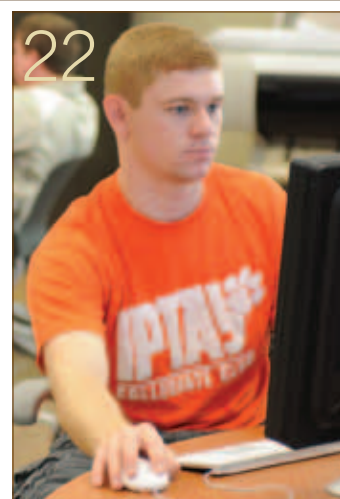
MAGAZINE

SUMMER-FALL 2009

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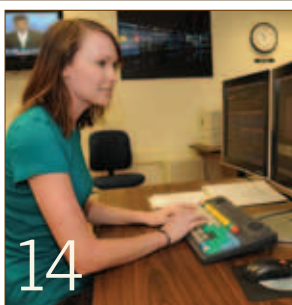
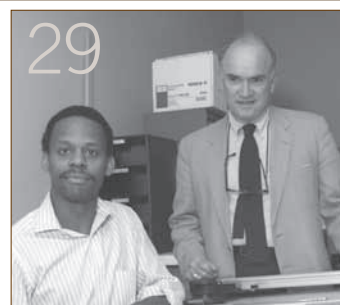
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EXTRAS ON THE WEB

Keep up with the latest University news at twitter.com/clemsonnews.

Check out Clemson World on Facebook at www.facebook.com/clemsonworld.



Visit the Clemson Alumni Association on Facebook at www.facebook.com/clemsonalumni.



Cover: We designed this issue's cover to reflect Clemson's defining qualities — winning spirit, history and tradition, big ideas, student-centered, academic quality, Solid Orange, family, determination — as we reveal Clemson's new brand architecture. See p. 20.

www.clemson.edu/clemsonworld

View from 30,000 feet

“When you’re down in the weeds dealing with problems like budget cuts ... it’s easy to think you would exchange your problems for your neighbor’s.”



In the midst of getting ready for fall semester to begin, I received this e-mail message: “If we all threw our problems in a big pile in the middle of the room, when we saw everyone else’s, we would grab our own back.”

I decided there’s sometimes a lot of truth in Internet humor!

In preparing for our budget this year, Clemson University faced problems from a total reduction in state and private funding of \$45.7 million. But one problem we do not have is lack of demand, and we are grateful for that.

Applications and enrollments were up to record levels for both undergraduate and graduate programs. This is a tremendous vote of confidence in Clemson. The campus community welcomed its largest freshman class in history this fall, along with a large group of transfer students. Clemson actually accepted and enrolled more South Carolina students this year than ever before.

Campus housing was literally full to overflowing in August. About 300 students were in temporary housing in study lounges and commons rooms in the high rises.

Contrary to rumor, no one was asked to live in a broom closet! They all had air conditioning, Internet access — even cable TV. Except for the lack of a window, most temporary rooms are very similar to permanent ones.

Departments added lecturers and class sections to make sure we could honor our commitment to offer students the classes they needed. As in a normal year, some did not get a preferred room assignment, class section or teacher, however. Not everyone can be in class only on Tuesday and Thursday between the hours of 10 a.m. and 2 p.m. So it became a “teachable moment” for us and for parents as we try to help students learn to distinguish between an inconvenience and a real roadblock to their academic goals.

Clemson’s policy on enrollment has not changed. We want to remain a “right-sized” university, one that combines the classes and the close faculty contact of a private, liberal arts school with all the advantages of a big-time public university with major research programs and Division I sports.

So why is the campus so crowded this fall? Three reasons.

- We accepted more applicants because, at a key decision point last spring, it looked like enrollment might be down from previous years. Two weeks before the May 1 deadline, paid deposits were lagging 15 percent behind last year. We erred on the high side to make sure we maintained enrollment, not to increase it.
- Yield, thankfully, remained very strong. Students want to come to Clemson because of our strong reputation and outstanding student experience. They just delayed their decision-making this year, probably because of the economy.



- We were able to offer additional, last-minute aid in the form of our own “Clemson Stimulus Plan” to continuing students who needed extra financial help to graduate. Thanks to almost \$500,000 in unrestricted gifts to a new program, the Leadership Circle, we were able to restore about 175 student jobs and offer emergency grants to more than 40 continuing students who were at risk of dropping out because of severe financial need.

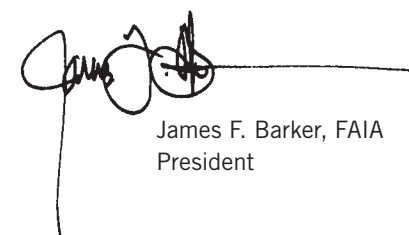
Leadership Circle donors cast another very strong vote of confidence in Clemson University, as did all the 28.3 percent of alumni who gave back to Clemson last year.

That level of alumni support helped us maintain our No. 22 rank among all public universities in the *U.S. News & World Report* guide for 2010. This is our highest ranking ever and keeps us shoulder-to-shoulder with some of the most highly regarded research universities in America. It also proved that our entry into the top 25 was not a one-year phenomenon. We were able to sustain a high level of academic quality.

When you are down in the weeds dealing with problems like budget cuts, staffing shortages and over-crowded residence halls, it’s easy to think you would exchange your problems for your neighbor’s. I would not. In fact, this fall we are off to our finest start ever.

When I look at Clemson with a wide-angle lens, I see a university with a strong reputation and growing demand ... a school with alumni and donors of character, who are engaged in our success ... and an institution with a tremendous sense of purpose and community. The absence of any of these things is a problem; overcrowded dorms are not.

Best wishes from campus.



James F. Barker, FAIA
President

P.S. — I have entered the blogosphere! Bookmark www.clemson.edu/barkers-blog where I will share regular updates and thoughts about my day-to-day life as Clemson’s president.



Executive Editor
Dave Dryden

Art Director
Judy Morrison

Editor
Liz Newall
(864) 656-0737

Classes Editor & Advertising Director
Sallie Leigh
(864) 656-7897

Contributors
Dale Cochran
Debbie Dunning
Catherine Sams
Media Relations
Creative Services

Photographers
Patrick Wright
Craig Mahaffey

University Officials
President
James F. Barker

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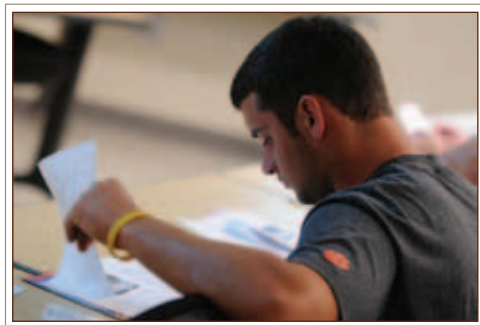
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‘Stimulus plan’ for students

THE UNIVERSITY IS CREATING ITS OWN VERSION OF AN economic stimulus plan for students, targeting those most impacted by the current economic recession and state budget cuts.

The plan will fund approximately 175 jobs to replace student positions that were eliminated in departmental budget cuts and will provide scholarships for students near the end



of their academic careers to ensure that they graduate on time.

The jobs will include both University-funded positions and work-study jobs, allowing

Clemson to leverage available federal funds, which cover 75 percent of wages for eligible work-study students. Both will give priority to low-income students.

The Clemson stimulus program is privately funded through donations to the Leadership Circle, a new annual giving society that encourages unrestricted gifts, allowing the University to determine how gifts can best be used.



Wilkins to lead Clemson Board of Trustees

LONGTIME S.C. LEGISLATOR AND FORMER U.S.

Ambassador to Canada David H. Wilkins '68 (right) is the new chairman of the University's board of trustees. Fellow trustee Smyth McKissick congratulates Wilkins, the unanimous choice, at the announcement. Former chairman Leon "Bill" Hendrix '63, M '68 stepped down as head of the board in July and will continue to serve as a life trustee.

Students win Yellow Pages challenge

MARKETING MAJORS MOLLY MORROW AND Matthew Herrold and graphic communications major Brittney Washington, advised by marketing professor James Gaubert, won the Yellow Pages Association Advertising Challenge for U.S. and Canadian undergraduate students. They designed print and Internet ads for U-Store-It, a self-storage company selected as this year's client in the competition. Their entry beat out nearly 1,000 other entries from 150 schools. For more information, go to www.ypa-academics.org/cc/081.html.



You did it again!

YOU KEPT CLEMSON AMONG THE TOP UNIVERSITIES

in the country in alumni giving. More than 28 percent of Clemson's alumni gave back to the University during the 2008-09 fiscal year (ending June 30).

In fact, private gifts to the University totaled \$78.7 million for the fiscal year. The total includes \$43.1 million given by donors to the Clemson University Foundation to support academics and athletic capital projects, \$16 million added to the inventory of planned gifts and \$19.6 million to IPTAY, which supports athletic scholarships. Your generosity and trust in Clemson made this the third best fundraising year in the University's history.

Private gifts are essential to expand scholarship opportunities for students, support excellent faculty, improve learning environments and enrich the overall Clemson experience.

Pennell Center for real estate development

METROMONT CORP. HAS MADE A \$2.5 MILLION GIFT TO CLEMSON FOR the Richard H. Pennell Center for Real Estate Development to help focus research within the real estate industry on sustainability and other aspects.

The center is a joint venture between Clemson's College of Architecture, Arts and Humanities and College of Business and Behavioral Science, a relationship that mirrors the complex nature of real estate development.

Metromont was founded in 1925 by J. Roy Pennell. Richard H. "Dick" Pennell Sr. '50 now serves as chairman of the board for Metromont Corp., and Richard H. "Rick" Pennell Jr., president and CEO, is the third generation to run the company.

The center will complement Clemson's academic programming with re-search and outreach opportunities that will enhance the real estate profession. For more information, go to www.clemson.edu/cred.



Metromont Corp. president and CEO Rick Pennell (right) honors his father, Dick, and his family's commitment to Clemson — with a gift that names the Richard H. Pennell Center for Real Estate Development.

Creative Inquiry delivers!

In her new book, *The College Solution: A Guide for Everyone Looking for the Right School at the Right Price*, financial writer Lynn O'Shaughnessy profiled Clemson's Creative Inquiry program as a best practice in undergraduate research.

Now in its fourth year, this unique initiative brings together undergraduates, graduate students and faculty to learn from each other and to research important issues that affect our world. About 50 percent of sophomores, juniors and seniors are pursuing degrees that require some form of Creative Inquiry.

Clemson research, tech earn \$4M in federal support

CLEMSON RESEARCH AND TECHNOLOGY

projects will receive nearly \$4 million from federal appropriations this year. The projects range from construction of a biofuels research plant to connecting South Carolina's research universities to the national high-speed network called the National LambdaRail.

- **Clemson University Cyberinstitute** will link South Carolina to university researchers, industry partners and technology entrepreneurs throughout the nation.
- **Advanced photonics research at Clemson's Center for Optical Materials Science and Engineering Technologies** focuses on developing novel optical materials for everyday products such as DVDs and communications.
- **Scientists at the biofuels research plant to be located at the Clemson University Restoration Institute in North Charleston** will develop ways to convert plant materials into fuel and help reduce the nation's dependence on fossil fuels.
- **Peach tree short life and fruit tree genetics research** at Clemson seeks to identify genes and control resistance to diseases that threaten the economy of the peach industry.
- **Advanced materials innovation center to be located at the Clemson University Advanced Materials Center in Anderson County** will provide space for related startup companies and relocating businesses.



Tissue research gets major boost

THE S.C. ENDOWED CHAIRS REVIEW BOARD APPROVED the establishment of a tissue research center at Clemson using \$3 million in state funds and another \$3 million in non-state funds.

The Center for Economic Excellence in Tissue Systems Characterization, to be housed at the University's Institute for Biological Interfaces of Engineering (IBIOE), is expected to connect expertise in cellular engineering and biomaterials.

"The potential remains great for new medical advances in the juncture between engineering and biology," says Karen Burg, IBIOE director. For more information, go to www.clemson.edu/centers-institutes/ibioe.

Rowing's Varsity 4+ is No. 1!



Clemson's Tiger Varsity 4+ captured the 2009 national championship at the NCAA rowing championships at Cherry Hill, N.J. The winning crew consists of Kelly Murphy, Lydia Hassell, Callen Erdeky, Allison Colberg and coxswain Meredith Razzolini. In addition, Tigers Varsity 8+ was named the ACC Crew of the Year, and the Clemson Rowing team, coached by Richard Ruggieri, won the 2009 ACC championship.

Groundbreaking organ replacement research

CLEMSON JOINS NINE OTHER S.C. UNIVERSITIES AND COLLEGES in a research program that offers new hope for the thousands of individuals whose lives are threatened by organ failure and who wait in vain for too few available transplant organs.

A \$20 million grant from the National Science Foundation (NSF) creates a statewide alliance in the field of tissue biofabrication, which could lead to the ability to produce human organs. The award is one of the largest in the state's history.

The resulting intellectual property could be the basis for new startup companies that would be part of the emerging biomedical-device cluster in the state, creating a wide range of jobs at every level, from technicians to researchers.

The research alliance is managed by the Experimental Program to Stimulate Competitive Research (EPSCoR) and Institutional Development Awards, two federal-state-university partnerships.

Pediatricians for anti-bully program at Clemson

A bullying-prevention program based in the University's Institute on Family and Neighborhood Life has been endorsed by the American Academy of Pediatrics as an effective way to address youth violence in schools.

The academy identified the Olweus Bullying Prevention Program as the model for successful programs. Clemson's Institute on Family and Neighborhood Life oversees all product development, research and training for the program in North and South America. For more information, go to www.clemson.edu/ifnl and www.olweus.org.



Glover brings home U.S. Open

2009 U.S. OPEN CHAMPION LUCAS GLOVER '02 GETS A superstar welcome home from Clemson President Jim Barker, Alumni Association Board President Leslie Callison and many other fans. The Alumni Association with the Greenville Clemson Club hosted the celebration to honor Glover in July at Fluor Field in Greenville.

Glover, an All-American at Clemson, became the first former Tiger golfer and the first native of South Carolina to win a major professional golf championship. He already made Clemson history when he became the first alumnus named to the U.S. Presidents Cup team (selected by captain Jack Nicklaus in 2007).

For The Children



FOUR CLEMSON ARCHITECTURE STUDENTS ARE finalists in an international competition to design new pediatric clinics for East Africa. Their work was showcased in May at a fundraiser in Seattle hosted by Humanity for Children, a nonprofit organization dedicated to providing health care for children in developing countries.

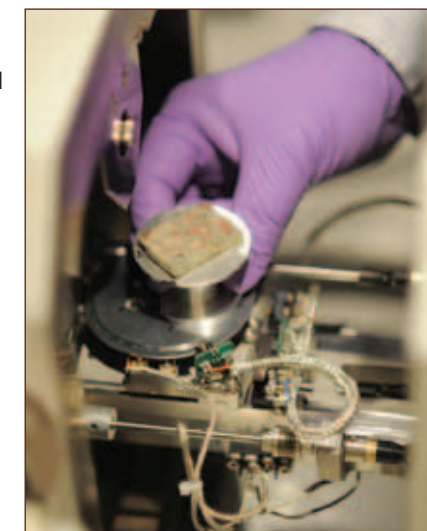
Design For The Children was an open, international design competition inviting architects and designers to create a pediatric clinic model that is both sustainable as well as culturally responsive in its use of local materials and methods of construction — with possible sites for the new clinics in Kenya, Rwanda, Tanzania and Uganda.

Stronger roads and bridges

CLEMSON AND COLLABORATORS FROM Purdue and PSI Inc. have received \$1.1 million to improve durability of concrete infrastructure materials.

The four-year grant from the Federal Highway Administration will help researchers better understand the challenges facing the durability of concrete infrastructure and develop new test methods to address them.

"The research could have a wide-spread effect on how various agencies build or rebuild concrete infrastructure, such as roads and bridges, with a potential to save millions or even billions of dollars down the line," says Clemson civil engineer Prasad Rangaraju.



Walker Course, a LINKS choice

LINKS Magazine rated the John E. Walker Sr. Golf Course at Clemson University as one of the top-25 collegiate courses in the country in its recent "Best Of" issue. In South Carolina, the course was voted the best public golf course in the Upstate by the S.C. Golf Course Ratings Panel.



Don't miss your World!

Coming in January — a retrospect of the past 10 years at Clemson, how far we've come, where we're headed.

Stay on the mailing list! Clemson World is mailed mostly to readers who've made a gift to the Clemson Fund in the past year or two.

Be sure to make your annual gift to the Clemson Fund through the enclosed envelope or online at www.clemson.edu/isupportcu.

New frontier for cleaner energy

CLEMSON RESEARCHER DAVID BRUCE will participate in a multi-university Energy Frontier Research Center — funded with \$12.5 million from the U.S. Department of Energy — focusing on the development of new catalysts for the production of clean fuels and chemicals from renewable sources.

The ultimate goal is to develop new environmentally friendly, cost-effective reaction processes that will help to decrease the nation's dependence on fossil fuels. Clemson's Palmetto high performance computer system and Internet 2 connectivity will greatly enhance abilities to model these reaction systems and interact with the other center investigators.

Bruce, coordinator for all simulation efforts for the project, will use advanced computational methods to provide the molecular insights for collaborators to prepare catalyst materials best suited to convert cellulose and other waste organic materials into renewable liquid fuels and bio-derived chemicals.

One Clemson, One World



STUDENTS PLANT FLAGS REPRESENTING HATE CRIME STATISTICS from the FBI, with each color representing a different type of hate crime. The Field of Flags is a traditional highlight of Clemson's annual One World Project, a campus and community forum for discussion on tolerance and diversity.

It's organized each year through the Harvey and Lucinda Gantt Center for Student Life, which is committed to fostering a welcoming and inclusive campus community that values and celebrates the diversity of its members.

For more on Clemson's diversity programs, go to www.clemson.edu/gic/diversityeducation/programs.

Grad engineering among U.S. best

Eight graduate programs in the University's College of Engineering and Science are among the nation's 40 best (in public universities) with three of them in the top 25 of their respective categories, according to the 2010 edition of *U.S. News & World Report's* guidebook of graduate programs.

Each program was ranked against similar programs at all national doctoral-granting public universities. Clemson's environmental engineering and science program is ranked 19th; biomedical/bioengineering program, 22nd; and industrial/manufacturing engineering, 24th.

Pandemic communication

INDUSTRIAL ENGINEERS SANDRA GARRETT OF CLEMSON AND Barrett Caldwell of Purdue are monitoring signals in human behavior during a pandemic.

They're working to identify what specific event phase of a pandemic the public is in and the action triggers that are appropriate for response strategies — for example, when to begin social distancing measures such as school closures.



The research will help in determining the need for additional community education in influenza and the best ways to communicate new information as the pandemic progresses.

Garrett and Caldwell collaborated with health officials and hospitals in the test state of Indiana to determine the feasibility of an alternative-care system that may require activation once a pandemic illness reaches a local area. The study looks at how authorities react, what facilities are available and how to communicate timely information. To learn more, go to www.clemson.edu/newsroom/articles/2009/may/pandemic.php5.

Info systems shine

The management information systems program at Clemson is one of the most productive in the world, according to *Communications of the Association for Information Systems*. Varun Grover, the William S. Lee Professor of Information Systems at Clemson, is ranked fourth among more than 3,400 published information systems researchers in the world based on the number of publications in the top six information systems journals.

The program's Ph.D. students are ranked first in productivity (along with the University of British Columbia and the University of Arizona) in the top six journals between 2003 and 2007.



Cryovac's Richie Burke loads the bucket conveyor for the Cryovac Onpack 2070 VFFS machine.

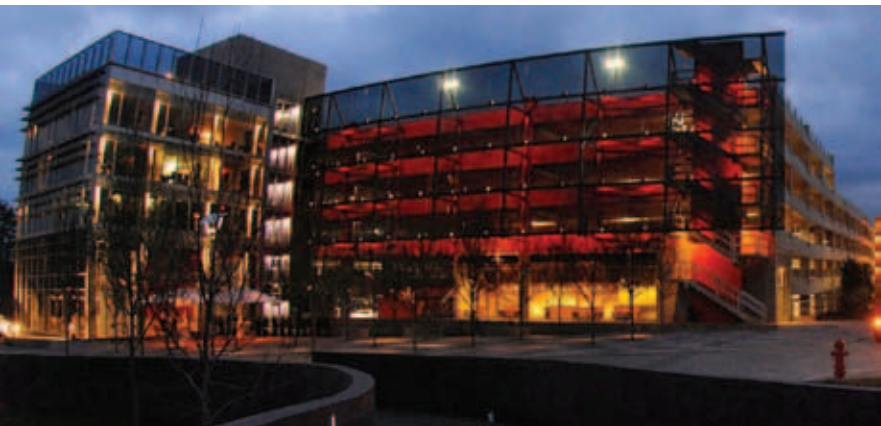
Cryovac Lab for food-packaging research

CRYOVAC AND THE University have combined efforts to build a multiuse food-packaging laboratory in Clemson's Center for Flexible Packaging. The 2,000-square-foot laboratory — The Cryovac® Flavour Mark™ Retort Laboratory — is a teaching, research and service facility in the University's

renowned packaging science department.

The Flavour Mark food packaging system, donated by Cryovac and its parent company Sealed Air Corp., is an integral part of the laboratory's research and instruction effort.

Cryovac has a long history of supporting Clemson including an endowed chair in packaging science and providing adjunct faculty for both packaging science and food science. Cryovac employs many Clemson graduates and hires undergraduates as interns and co-op students. It's also the first large business to be recognized as a Champion for Children through Clemson's Strong Communities program. For more information, contact Scott Whiteside at wwhtsd@clemson.edu or (864) 656-6246.



CU-ICAR scores LEED-Gold

CLEMSON HAS RECEIVED THE U.S. GREEN BUILDING COUNCIL'S award of LEED (Leadership in Energy and Environmental Design) certification for two buildings on the campus of the Clemson University International Center for Automotive Research (CU-ICAR) in Greenville.

Innovation Place, which houses the CU-ICAR partnership offices, and its adjacent AutoPark, with parking for 1,200 vehicles, received LEED-NC Gold certification for new construction. The Innovation Place building and AutoPark project, designed by Greenville architects Neal Prince and Partners with the Smith Group, are the first state-funded LEED-NC Gold building and project in the city of Greenville.

Innovation Place has also been recognized by the S.C. Chapter of the American Institute of Architects with a 2009 Special Citation for Design Excellence. For more information, go to www.clemson.edu/newsroom/articles/2009/june/LEED.php5.

Life-saving class work

NONPROFIT MARKETING STUDENTS, LED BY professor Patricia Knowles, are working with Donate Life South Carolina and LifePoint Inc., the state's nonprofit organ and tissue procurement organization, to bring Donate Life's "Every 11 Minutes" campaign to campus.



Although many South Carolinians believe that they are already identified as organ donors because they have a red heart on their driver's license, they now must either register at every11minutes.org or sign forms when they renew their driver's license. The new symbol is a red heart enclosed in a red circle.

Last semester, students identified reasons that other students may or may not want to register for organ donation. Then, they developed messages to reach potential donors about the need to register online or when they renew their license. A group of USC students prepared some materials to reach students there, too.

Now, marketing students in promotional strategy classes are joining nonprofit marketing students to promote a virtual Clemson vs. USC Organ Donor Registration Bowl coinciding with the annual Blood Donor Bowl.

For more information, go to every11minutes.org or contact Patricia Knowles at kpatric@clemson.edu.

Traffic Bowl Champs, again!



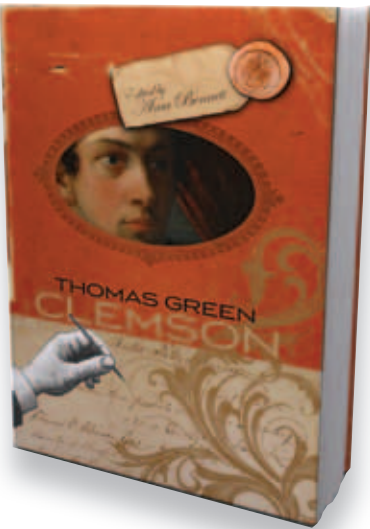
FOR THE FOURTH YEAR IN A ROW, MEMBERS OF the University's chapter of the Institute of Transportation Engineers are Traffic Bowl winners. They represented South Carolina at the Southern District ITE's "Jeopardy" style competition — the William H. Temple Scholarship Challenge — that tests students' road engineering mettle. Graduate students Vijay Bendigeri, Johnatan Dillon and Gabe Dobbs represented the Clemson team, advised by civil engineering faculty Wayne Sarasua and Jennifer Ogle. For the sixth year in a row, Clemson also took home the Southern District ITE Outstanding Student Chapter Award.

Clemson Blue, a big cheese

Clemson Blue Cheese was rated among the best in the nation at the 15th biennial U.S. Championship Cheese Contest in Green Bay, Wis. Clemson Blue Cheese's history dates back to 1941 when it was cured in the damp air of the Stumphouse Mountain Tunnel near Walhalla by a Clemson dairy professor. Now the cheese is made by ARAMARK food service in Clemson's Newman Hall, where air-conditioned rooms replicate the temperatures and humidity of the tunnel. The famous cheese is available in the East Side Food Court in the Hendrix Student Center or online at www.clemsonbluecheese.com.

Clemson biography — bestseller

THOMAS GREEN CLEMSON — THE NEW BIOGRAPHY OF the University's founder — is a hit with alumni. The biography, published by the Clemson University Digital Press, is written for general readers as well as scholars, history buffs and students. The 400-page book includes a 16-page color signature of historical portraits and selections from Mr. Clemson's art collection. In addition to each chapter's illustrations, the biography features genealogy charts of the Clemson and Calhoun families from the 1600s to the 1970s. You can purchase *Thomas Green Clemson* through the Alumni Center at cualumni.clemson.edu/bookoffer or call (864) 656-2345.



Clemson favorites on Facebook

MAKE CLEMSON ALUMNI Association and *Clemson World* your new favorites on Facebook. See Clemson Alumni Association at www.facebook.com/clemsonalumni for up-to-the-minute news on alumni events, services and opportunities in your area. Join *Clemson World* at www.facebook.com/clemsonworld to stay connected with us between issues. You'll see new campus shots, videos, a sports blog and other features. And, best of all, you can post your own photos and news.



Global Clemson classroom

TOUGH ECONOMIC TIMES ARE NOT keeping an unusual group of graduate students out of the classroom. In fact, these full-time professionals are benefiting from the convenience and camaraderie of a global Clemson classroom experience. The program — a master's degree in industrial engineering with a concentration in capital projects supply chain and logistics — is a first-of-its-kind online graduate program that has working professionals from around the world and across the spectrum of disciplines sitting in a virtual classroom any time of the day or night that fits their schedule. This program is offered by industrial engineering in collaboration with the civil engineering and management departments at Clemson as well as with owners, contractors and suppliers in this industry segment including Fluor Corp., CH2MHill, Chevron, Duke Power, Emerson and Anixter. For more information, go to www.clemson.edu/ces/departments/ie.

S.C. Market Maker

THE PALMETTO STATE'S freshest seafood and agricultural produce are just a mouse click away. S.C. Market Maker is an online resource that puts the state's agricultural products and from-the-boat seafood in the hands of consumers. At www.scmarketmaker.com, users can search the database for products or register their own business. S.C. Market Maker is a cooperative effort of Clemson's Public Service Activities, the S.C. Department of Agriculture, the S.C. Sea Grant Consortium and the U.S. Department of Agriculture Natural Resources Conservation Service.



Inflation station at CU-ICAR

MICHELIN NA AND CLEMSON'S Automotive Safety Research Institute open a tire-inflation station for safety and fuel efficiency at the entrance level of the AutoPark at CU-ICAR in Greenville. The Michelin Tire Inflation Station features a six-foot replica of the iconic Michelin Man, a visible reminder for drivers to check and adjust tire-inflation pressure as they leave the parking area. To learn more about the Automotive Safety Research Institute, go to www.clemson.edu/centers-institutes/cu-icar/ASRI.



S.C. switchgrass could power Europe

RESEARCHERS AT CLEMSON'S PEE DEE RESEARCH AND EDUCATION CENTER, in an initiative with Charleston-based Carolina-Pacific LLC, are supplying switchgrass to European power plants as a substitute for coal to generate electricity. Carolina-Pacific will need more than 350,000 tons of switchgrass per year for its European markets beginning in 2012. The initiative could be worth more than \$20 million a year to S.C. farmers during the next decade, according to company officials. The company will pay farmers for their crops, and Clemson researchers will assist in how to plant crops and make the most from their fields. For more information, go to www.clemson.edu/newsroom/articles/2009/april/Rural_Heritage_2009.php5 or contact Jim Frederick at jfrdrck@clemson.edu or (843) 622-3526.



Good news for hunters

American Hunter ranks Clemson No. 2 on its list of Top Ten Colleges for Hunters, behind Penn State and ahead of Cornell, University of Wisconsin-Madison and Michigan State. Clemson is also home to a collegiate powerhouse air rifle team, former national champions. The team is currently fourth in the U.S. and has never ranked lower than seventh in the national competition.

BORN BIOENGINEER. PERFECTING PROSTHETIC KNEES. DISSEMINATING PASSION.



“I knew at an early age I wanted to be an engineer. I liked to make things,” says Martine LaBerge, chair of Clemson’s bioengineering department.

“In graduate school, I studied biomedical engineering and biomaterials. All of my professors spoke very highly, almost reverently, of Clemson” — the birthplace of the field — LaBerge recalls, leading her to jump at a chance to join Clemson’s faculty in 1990.

Now known internationally for her orthopedic research, LaBerge continues to find ways to make knee replacements more comfortable and longer lasting.

“Physicians come to us with the problems, and we look for solutions,” she explains. “It’s my job to disseminate my passion for the field and help my students leave here as inventors and problem solvers.”

Make your gift today to support Clemson faculty and their students as they turn bold ideas into big results. Call (864) 656-2121 or visit www.clemson.edu/isupportcu/faculty.



Enjoy the great taste of **chilis** right on the Clemson campus.

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Burgers, classic sandwiches, Guiltless Grilled Chicken, a wide array of beverages including beer and margaritas, and other American cuisine with a Southwestern flair.

Party platters and takeout are available.



University Union • (864) 656-0753



BBQ Burger

What a time to be a business student!

by Kelsey Sontag '10

With the recent economic downturn and the fact that some of the responsibility falls onto the shoulders of the once-roaring financial institutions, the areas of finance and ethics have been on everyone's mind.

Few would argue that ethical misconduct in banking and business has been among the catalysts for this economic crisis that our country is currently experiencing.

But the news is not all bad. For finance students, the recession has offered an amazing opportunity to experience and learn about the causes and cures for recessions as well as the importance of adhering to business ethics.

The international spotlight on business ethics also highlights Clemson's approach to exploring ethics with students, faculty and community, a part of the Clemson experience that sets our university apart from others.

As a rising senior in financial management, I have experienced Clemson's commitment firsthand.

The teaching of business ethics plays a major role in the study of finance here. Classes include case studies, discussions and other forums concerning the importance of upholding both personal and professional integrity.

'Shock marketing'

I've also had the opportunity to expand my knowledge and experience as a member of the University's nationally recognized Intercollegiate Ethics Bowl team. (We call it the "Orange Wave" to show our energy and Clemson pride!)

Being on the team offers members a way to apply ethical theories to solve real-life problems while competing for Clemson. The bowl works like a debate tournament that focuses on difficult issues in the form of cases for which we prepare theoretical support for the correct action. My perspective for the team is on business ethics and market economics.

Clemson finance students explore the blurred boundaries between profit-making and ethical behavior in business.

One of my recent cases focused on the ethical justifiability of "shock marketing."

Shock marketing often uses offensive material or grotesque images to get attention and thus boost sales. Case in point was a billboard advertisement for a clothing company that featured male clothing with the phrase: "Looking good sure beats rape." The ad certainly got attention and probably increased sales and profits for stockholders. But responsibility — not causing harm or serious offense to the general public — was totally lacking.

On the other hand, ad campaigns against drunk driving often use shock

marketing as well. And the *American Journal of Preventive Medicine* has shown that mass media campaigns can reduce alcohol-related car crashes significantly. Of course, this use isn't for financial gain, but it does aim to get attention and change behavior.

Beyond 'right' or 'wrong'

One of the biggest lessons I've learned is that, often, there's no right or wrong answer to an ethical dilemma. Each perspective that you apply to the case at hand will produce a different course of action.

If you apply *utilitarianism*, the action will produce the greatest good for the

greatest number of people with no regard for what is "right" or "wrong." If you apply *deontological* ethics, which emphasizes moral intentions and motives, the action focuses almost completely on what is right or wrong.

And to make matters even more complex: The most ethical action for one person may not be the same for another. These discrepancies illustrate the difficulties that people in professional industries face in the pursuit of desired outcomes with integrity.

Ethics isn't something we just "learn." But through studying the different theories, deciding what's appropriate

for given situations and applying that knowledge in and out of the classroom, I have gained experience and confidence in analyzing complicated issues.

Clemson's commitment to ethics has enhanced my ability to make those decisions — not only in my study of finance, but beyond the classroom. I feel I already have an edge in my chosen career and in my everyday life. ☺

Financial management student Kelsey Sontag, the author of this piece, has received Bank of America, Trustee, Class of '38 and other scholarships. Scholarship support makes the Clemson experience possible for her and many other students. To learn how you can help, go to www.clemson.edu/giving or use the enclosed envelope.

"Economic advance is not the same thing as human progress."

— John Clapham, economic historian

For all students

Clemson's Robert J. Rutland Institute for Ethics serves students, faculty, staff and the community. Its Ethics Across the Curriculum program teaches students in all majors — whether they plan to be architects, teachers, medical professionals, engineers, biologists, managers, marketing or finance specialists — how to incorporate ethical values in rewarding careers and personal development.

Clemson's Intercollegiate Ethics Bowl team, sponsored by the Rutland Ethics Institute, is a national powerhouse. Over the past three years, the team has won first, second or third in the nation at the Ethics Bowl Championships.

The Rutland Institute is home to the national Center for Academic Integrity, a consortium of more than 360 educational institutions who share with peers and colleagues the center's collective experience, expertise and creative energy.

To learn more about Clemson's ethics programs, go to www.clemson.edu/ethics.

From Your Porch
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Get back to the simplicity and beauty of nature with an exquisite lakeside town home. Enjoy the amenities of this gated, waterfront community, while being close enough to Clemson to take part in all the game day action.

The Regatta offers three bedroom, three and a half bath town homes with a host of upgrades and exclusive features. Enjoy maintenance free landscaping and your own personal covered boat slip.



From Charlotte/Greenville:
Exit 19 A Clemson Blvd. 1.6 mi Right on 28 Bypass, 2 mi, Right on Whitehall Rd. 2.7 mi, Right on Lakewood Ln. Go 1 mi Left on Old Green Pond Rd. next Right on Pritchards Dr. 9 miles to stop sign Right on Bridgeview. Keep straight on Tucker Regatta on Right.



From Atlanta: Exit 11 onto Hwy 24 towards Anderson. Go 3.9 mi, over double bridges Turn Left on Old Asbury Rd. Go 4 mi Left on Bridgeview Dr. Go 6 miles onto Tucker Trail Regatta on Right.

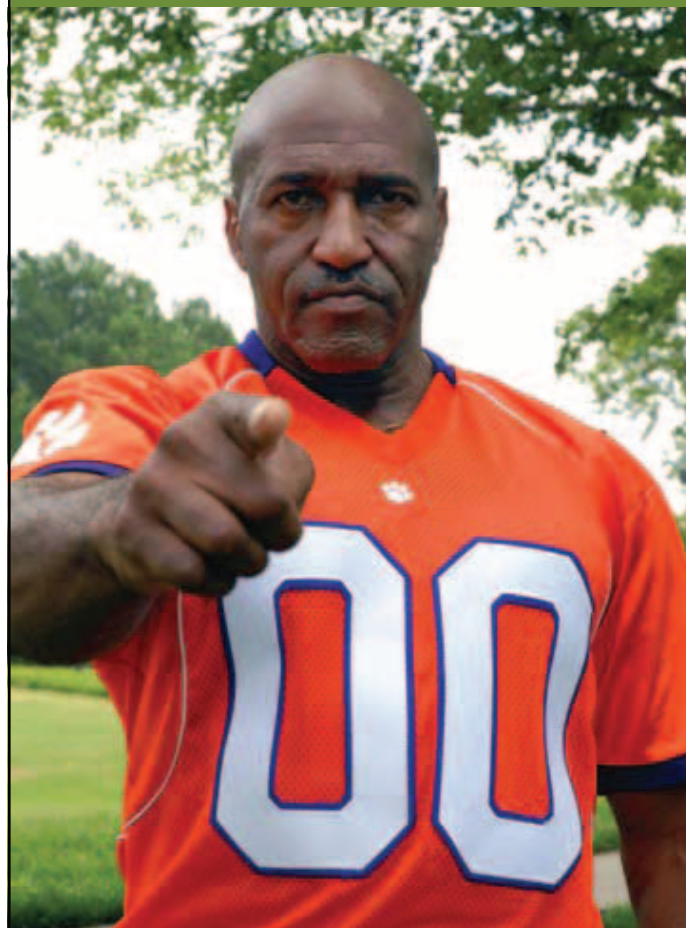
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A library for St. Helena Island

Clemson students help bring library to historical Penn Center.

by Liz Newall

Here's the assignment.

Find the perfect building site and design for a library. Not just any library. But one that blends modern technology with the essence of the Penn Center on St. Helena Island in Beaufort County — a location that's among the most significant African American historical and cultural centers in existence today.

Take into account the massive oak canopy, dripping with moss and alive with birdsong. The marshes and rolling Atlantic. The Gullah culture. The storied structures on the 50-acre campus of the Penn School. The island itself.

Think big, but not big box. The site must support a 25,000-square-foot structure with the option to expand another 10,000 square feet. It must be easily accessible, yet fit in seamlessly with the surroundings — especially those incredible live oaks.

Be prepared to communicate your site choice and design to civic leaders, architects, librarians, horticulturists and a diverse general public.

Listen. Revise. Refine. Present again — until you have a plan with elements worthy of inclusion into the final design.

That's exactly what seven teams of Clemson architecture and landscape architecture students, mostly undergraduates, have recently accomplished. In fact, their work, as part of a multidiscipline design team, has made the construction of the St. Helena Branch Library at the Penn Center closer to becoming a reality.

Beaufort County officials have already advertised the project among architectural design firms for quality-based selection, narrowed the field and begun interviews. Selection is anticipated by this summer, followed by public input. Design and bid should be completed by next spring with construction to begin in the summer of 2011 if all follows the current (tentative) schedule.

Who you gonna call?

Last fall, when Beaufort County planners secured funding and authorization to build a branch library in or near the Penn Center,



planning director Tony Criscitiello picked up the phone and called Clemson architecture professor Lynn Craig.

With good reason. Criscitiello had collaborated with Craig and Clemson students on a mixed-use urban design project in North Augusta several years earlier. He knew Craig's combination of expertise, respect for community and high expectations.

Craig's international, academic and professional knowledge brings a wealth of experience to his teaching. So does his belief in service-learning. His students' work is visible in numerous community improvements across the state and as far away as Dominica.

As soon as the call came in, Craig began planning a design studio and charrette to assist Beaufort County, Penn Center

administrators and St. Helena Island residents with possible ideas for a branch library.

In architecture design studios, small groups of students work with master teachers on a semester- or yearlong team project to devise solutions to a problem or to meet a particular need.

For every project, students interview key people; gather statistics on demographics and traffic patterns; collect previous plans, deeds and plats; photograph the site from every conceivable angle; and compile all data. Then, they brainstorm ideas, discuss them, refine them and present them to their teachers and clients in a process called a design charrette.

In planning for the St. Helena Island library project, Craig invited landscape architecture students and faculty to join. “It just made sense to have the two — both driven by landform and function — coordinating, rather than one following the other,” says Craig. “And the collaboration gave each student a richer perspective.”

He enlisted fellow faculty Robert Bruhns, Pernilla Christensen and Doris Gstach and architects David Moore ’88, M ’90, Cooter Ramsey, Jim Tiller and Brian Wurst ’84. The team worked closely with Beaufort County library director Wlodek Zaryczny.

Everyone gets into the act

Students started with the architectural program from Zaryczny. **The library must meet the educational, recreational and career development needs of a multi-generational and historically unique community and one that supports 21st century technology.** Elements include:

- Children and family service areas along with collections and afterschool programs and resources for younger children outfitted with specific literacy education standards.
- Teen services and programs to include a teen room with collections, collaborative learning area, educational gaming and a media production lab.
- Adult and senior resource components including collections, job skills, work force development and literacy training, and small business center.
- Areas of service would also include a computer lab, large community meeting room, study rooms, café, shop and art gallery space.
- Program space would accommodate a heavily populated PC environment and central commons area.
- Depending upon funding, a 10,000-square-foot Gullah-Geechee/African American Resource Center.

Zaryczny gave them a final directive: Make it a place where young people as well as adults will want to be.

With program in hand, students began the next phase — living and breathing the design as it developed from the ground up.

To do that, they, along with faculty, traveled to the historic center area of the Penn Center and stayed at the community center for four days. They researched, studied and chose possible sites, and created site-specific designs while meeting local people involved in the center itself and the library project.

After preliminary research, teams began creating seven distinctively different plans. Sites ranged from within the Penn Center grounds to open fields farther away from the historic buildings.

“In each group, almost everyone had pen, marker or colored pencil in hand,” says Craig. “The respect for each other’s ideas, the focused energy and the collaboration — all were extraordinary.”

Library designs varied from long, low profiles to two-story organic structures, some circular, others in separate units or wings. All were suited to the specific site, incorporated eco-friendly materials and had elements of the history and culture of St. Helena Island.

Community input was critical for both the success of the project and the experience of the students.

“It was a win-win experience for all involved,” says Zaryczny. “The students and faculty were a delight to work with. They listened carefully to what we want, need and can accommodate. Then they came up with a variety of viable options and ideas to address our concerns.”

Students agree. Participant Lindsay Woods says, “Being at the charrette was one of the things I loved most about the project. Traveling to the Penn Center was an experience on its own, plus we were introduced to a new way of studying architecture. This intense form of designing allowed a constant flow of ideas and taught us valuable communication skills.”

Back at Clemson, several other fourth-year design studios have begun designing libraries as close as Atlanta, Ga., and as far away as Barcelona, Spain; Genoa, Italy; and Dubai.

In fact, the Sandhill Research and Education Center in Columbia, an earlier design studio and charrette project led by Craig, has just opened its doors.

And that just may be the perfect ending for the assignment.

For more about the design charrette, contact professor Lynn Craig at clynn@clemson.edu or call (864) 656-3905. For more about the St. Helena Island Branch Library, contact library director Wlodek Zaryczny at wzaryczny@bcgov.net or call (843) 470-6505. ☎



Clemson has a “World Class School of Architecture with High Distinction” and some of the best architecture and landscape architecture programs in the nation according to *DesignIntelligence*.

Lee Hall, a top priority

Keeping Clemson’s architectural programs among the best in the nation will bring exceptional opportunities to our students and help our graduates continue to lead the field. With a marketplace focused on increasing environmental, health, geographical and spatial concerns, graduates in these fields are in high demand.

Meeting this demand will require adequate space for Clemson’s design and building disciplines to grow and thrive. Studios and galleries, spaces for design charrettes and library collections, and cutting-edge technology and equipment are essential.

Yet, as Clemson’s design and building disciplines have grown and multiplied over the years, their physical home — the 50-year-old Lee Hall — has fallen far behind in providing adequate space for its inhabitants. Today, Lee Hall has only half the space needed for the design and building studies and projects.

Underscoring the urgency of the proposed expansion are **accreditation board reviews that have cited the current facilities in Lee Hall as a deficiency that must be addressed.**

Clemson has proposed a design and building complex to be home to architecture, planning and landscape architecture, and construction science and management departments, and temporarily house the visual arts department. The renovation and expansion will nearly double the space available in the current Lee Hall.

Expanding Lee Hall will allow Clemson to accommodate current students and staff, increase enrollment in response to market demands, address the facility-related concerns of our accreditation boards, add programs of study and continue on that path of excellence of a top-20 university.

Fulfilling this goal, however, will require Clemson to raise millions in private investments. To learn how you can support the expansion of Lee Hall and Clemson’s nationally recognized programs, contact LeRoy Adams at ladams@clemson.edu or (864) 656-0445; or Daniel Bozard at dbozard@clemson.edu or (864) 656-2742.



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fresh look,
**STRONGER
BRAND**, same
DNA
determination.
boldness.
family.spirit.
traditions.
determination.
boldness.
family.spirit.

by Dave Dryden
Creative Services director
Clemson World executive editor

“DETERMINED SPIRIT” —
the shared sense that

drives our progress,

unites our family,

generates our diverse stories

and shapes our experience.

The strong Clemson brand just got stronger.

You may have noticed *Clemson World’s* new look — fresher, bolder, more active and interactive.

The transition is part of the University’s overall new master brand architecture. By “new” we don’t mean radically different. Clemson’s Tiger Paw is already among the best-known collegiate icons in the nation. And we like to think we own the color orange (although a few other schools attempt to claim varying shades).

The Clemson brand goes beyond logos, colors, typography and art.

Brand is the overriding concept of a product or an institution. It tells you what the product’s values are and what it aspires to be.

It’s dynamic. It generates both feeling and action.

Clemson’s unifying concept is “determined spirit” — the shared sense that drives our progress, unites our family, generates our diverse stories, shapes our experience. In fact, the very foundation of the University rests on the determination of Thomas Green Clemson and his wife, Anna, to create a high seminary of learning. Determined spirit is in our DNA.

How do we know?

As Clemson has evolved into a major research university, so has our identity. We felt it was the right time to take a good look at what sets the Clemson experience apart — whether it’s something new and different or deeply rooted in our founding.

Once we could answer that, we could refresh and refine our visual identity and the way we tell the Clemson story to reflect the heart of the Clemson brand.

Refreshing an image, especially one that’s long been valued, takes time and research. We began by partnering with education marketing firm EM2.

The process also involved study of peer schools with strong master brands and extensive interviews with alumni, students, faculty and staff, parents and community members.

We learned a lot. What we heard over and over was that the University’s most valued attributes are the Clemson family, winning spirit, tradition and history, academic quality, making a difference, determination to succeed and bold thinking.

The research kept our design team focused while we refined and unified different elements of the brand identity. The result is a new master brand architecture that incorporates the familiar with some fresh elements. Our overriding goal was and continues to be telling the Clemson story accurately and consistently. ☺

Hitting the mark

Clemson has one of the strongest college symbols in the country — the Tiger Paw. The new architecture does not alter the paw, but places it alongside the University seal and redesigned wordmark as one of three master brand symbols in the new architecture. These marks are all strong enough to identify the University in the marketplace.

A new academic symbol based on the Bengal tiger and the tiger symbol in Clemson’s centennial flag has been created. The shield design includes the founding date and a star to represent our military heritage. This mark is seen as a secondary symbol to the three masterbrand marks and must be used as shown with the new wordmark.

Colleges, schools, departments and units will use a variation of one of the three wordmark options to the right.

Clemson-related entities such as alumni groups, funded student organizations, special projects and ongoing programs will be allowed to use unique logos as long as they contain a wordmark or Tiger Paw and Clemson Orange.



Orange plus

Based on popular demand, tradition and just plain common sense, Clemson Orange, of course, remains our pre-dominant color, and purple and white, the secondary colors.

Research, however, shows a need for a more versatile color palette for official documents, displays, departmental communications and other uses. Twelve colors now compose the Clemson color palette. These colors were drawn from the campus environment — Tillman brick, Centennial Oak, Howard’s Rock, Bowman Field and the Blue Ridge Mountains.



Just our type

Four typefaces will be used for most of the University’s communication needs. These fonts are Goudy Oldstyle, Trade Gothic, FG Saga and Zapfino. Verdana is the approved font for use in electronic media where the other four faces are not available or practical. Each was chosen for its “personality” and its ability to convey Clemson’s brand attributes.

Goudy Oldstyle
Trade Gothic
Zapfino
FG Saga

Up-close and engaged photography

Primary photography reflects those same attributes such as boldness and spirit, sense of family, tradition, Clemson people engaged in activity.



These official logos, colors, typefaces, photography style and other details are simply communication tools to help tell the Clemson story — an exciting story of determined spirit, remarkable people and extraordinary successes.

So, if you notice that our look has changed a little, rest assured that Clemson’s DNA and our commitment to honoring it have not changed.

For more information on Clemson’s new master brand architecture, go to www.clemson.edu/guidelines or contact Dave Dryden at drydend@clemson.edu or (864) 656-2469.

Wrapped up and *ready to go*



Clemson's latest bold idea has moved Clemson students to the head of the line in the white-hot industry of consumer packaging.

by Liz Newall

We want it all ... and we want it now. But we also want it to open easily, reseal snugly, resist spoilage, prevent breakage, store conveniently and somehow be recyclable.

We are, after all, savvy consumers of lots of stuff. Not that we give packaging that much thought, at least not consciously, until it doesn't work. Like those bulletproof blister packs or double shrink-wrap you need Edward Scissorhands to get into. Foam peanuts that defy gravity. Anything that leaks.

Clemson's Sonoco Institute of Packaging Design and Graphics is all about getting it right. And with its new Harris A. Smith Building, state-of-the art equipment, industry support, across-the-campus collaboration and well-established reputation, Clemson has secured its position as a national leader.

"We're the only university program in the country bringing together packaging science, graphic communications, materials, environmental science, manufacturing, marketing and psychology disciplines to study packaging methods," says Chip Tonkin, institute director.

The right design for the right stuff

"Modern" packaging may have begun with the metal can and contents label (or glass container, depending on your source). But "appropriate packaging" is as old as the New Testament if you consider the analogy of not putting new wine in old wineskins.

Maybe that's a stretch. But the economic impact of the packaging industry isn't. In fact, consumer packaging is a \$4 billion global industry with well over \$1 billion in the United States (REXAM, Consumer Packaging Report 2007-08).

Tonkin, who holds Clemson degrees in mechanical engineering (1992) and graphic communications (M 1994), brings his own industry experience from the diversified, global company of International Paper.

He returned to the University for the chance to guide Clemson's bold approach to preparing students for the packaging and graphics industry — a concept that relies on academic excellence, willingness to think beyond "separate towers" and eagerness to engage industry leaders — all for the best possible experience for Clemson students.

Clemson's Sonoco Institute of Packaging Design and Graphics does just that. **It focuses on the big picture by integrating the multiple steps in package design, graphics and construction into a single workflow** including:

Designing **environmentally sustainable packages;**

Developing **electronic films**

Packaging faculty instructor Andrew Hurley (right), undergraduate student Filip Coleman (left) and graduate student Carson Snipes evaluate the slit scores produced on a Kongsberg iXL44 sample table.



that can be printed on packages to create displays, track shipments, or apply environmental or biological sensors;

Testing the **impact of package design and graphics on consumer attention**, buying patterns, use and disposal in its consumer experience lab.

Environmentally friendly packaging is moving from "a good idea" to preferred in most areas. And no one is more concerned with environmental impact of packaging than current students going through the institute. In fact, the Smith Building itself was constructed for LEED Gold certification.

Printed electronics for packaging — including displays, radio-frequency identification, and environmental and/or biological sensors — just may be the new frontier in the packaging graphics industry.

According to IDTechEx, of the total \$1.92 billion market for printed and potentially printed electronics in 2009, 35 percent of these electronics will be predominantly printed. Initially, photovoltaics, organic light-emitting diodes (OLEDs) on glass, and e-paper displays will grow rapidly, followed by thin film transistor circuits, flexible OLEDs, sensors and batteries. By 2019, the market will be worth \$57.2 billion, with 76 percent printed and 73 percent on flexible substrates.

Clemson is perfectly positioned to be a leader in printed electronics.

“Advancing the applications and usage of printed electronics in packaging is a natural fit for the University,” says Tonkin. “We have a practical applied approach to the printing process, advances in optical materials research, high-quality engineering and science programs, and thorough knowledge of the packaging requirements and test procedures.”

The Smith Building “classrooms” are laboratories designed for interaction among students, faculty and industry. They include a state-of-the-art computer-aided packaging design lab; a package prototyping lab capable of using paperboard, corrugated board, plastics and other materials; and a printing lab with a variety of small-scale and production-class printing equipment. Offices, conference rooms, even casual seating areas reflect a combination of art, technology and open communication.

Collaboration with a big C

The institute, like Clemson’s other innovative centers and partnerships, thrives on collaboration.

The institute wouldn’t exist without the ongoing support of industry icon Sonoco. Nor would it would have a new 28,000-square-foot home without the generosity and foresight of Harris Smith, former chairman, president and chief executive officer of Smith Container Corp. of Atlanta, Ga.

Smith made gifts and pledges of \$3.7 million and Sonoco Products Co. of Hartsville \$2.5 million for the construction of the building and to launch the packaging and graphics institute.

Other companies have given top-of-the-line equipment, software and additional materials that will be used to train students and help industry partners research packaging methods, technology and design.

And it gets even better.

“The institute will have a great deal of positive impact on student and faculty opportunities and will do it without affecting the University’s budget,” says Tonkin. “The ultimate goal is to be self-supporting with revenue streams from faculty research, assistantships, intellectual property, and industry fees and contributions.”

For more on the Sonoco Institute of Packaging Design and Graphics, go to www.clemson.edu/sonoco_institute or contact Chip Tonkin at sonoco_institute@clemson.edu or (864) 656-4732. 🌐



Carson Snipes and Dannah Curcio load the final plate cylinders for an acceptance test on the newly installed Omet Varyflex platform printing press.



Student with a \$25M mission

Packaging science senior Stephen Tyner traveled from his South Carolina home in McBee to Pleasanton, Calif., last year for an internship with The Clorox Co.

While there, he helped design a package that saved the company a bundle — estimated at \$25 million. And just as sweet, the new design is a boost to environmental sustainability.

“My dream is to help bring about a new age of truly sustainable packaging by developing packages that have a positive end use,” says Tyner, “whether it be natural degradation or by utilizing a more efficient recycling system.”

He’s well on his way. And as the recipient of several University scholarships, he’s grateful for the opportunity to begin his dreams at Clemson.

BUDDING BIOLOGIST. HARMONIZING HUMANS AND NATURE. IMPACTING LIVES.



“Growing up, I would rather play in the creek looking for aquatic forms than play sports,” says Keenan Adams, doctoral student in forestry, wildlife and natural resources.

He excelled in both, playing football on scholarship while earning a biology degree at Furman. His passion for the environment has led him to Clemson, where he’s completed an M.S. degree in forestry and is pursuing a Ph.D. in wildlife and fisheries biology.

Adams is focusing on the human dimensions of natural resources, which studies the impact people have on the natural world and seeks solutions that benefit both humans and nature. “My dream is to become a professor who will impact the lives of students,” says Adams, “and produce research in the natural resource field.”

Make your gift to support Clemson students like Keenan Adams as they make life better now and for the future. Call (864) 656-2121 or visit www.clemson.edu/isupportcu/students.





The Quinn Twins

Class of 1948 alumni **Woodford S.** (left) and ***Winston A. Quinn** are pictured with Winston's grandson **Rhett W. Smith**, a Clemson senior. The twins' brother, **Dewey W. Jr. '47**, is in Clemson's Hall of Fame.

1941

***Ed L. Young** (DAIRY) of Florence received the Distinguished Service Award from the S.C. Young Farmer and Agribusiness Association.

1949

Fred W. Andrea Jr. (CE) and his wife, Jean, of Spartanburg celebrated their 60th wedding anniversary.

***Betty Ulmer McGregor**, wife of ***Sam E. McGregor Sr.** (DAIRY) of Hopkins, was named 2009 National Mother of the Year by the American Mothers Inc. The McGregors are parents of ***Jimmy '78** (CE), ***Johnny '82** (DAIRY) and ***Sam Jr. '88** (DAIRY).

1953

***Leonard C. Butler Sr.** (TMFG) of Burlington, N.C., represented Clemson University at the installation

of Chancellor Linda Parrish Brady at the University of North Carolina at Greensboro.

1965

Harvey B. Gantt '65 (ARCH, HD '85) of Charlotte, N.C., was awarded an honorary doctor of public service degree by the



Part of U.S. naval history

Civil engineering graduate ***Jack T. Day '56** (right) is pictured in the late 1950s at the Charleston Naval Shipyard where he helped extend the *USS Proteus* into a nuclear submarine tender. Day became director of management engineering and completed a long and accomplished career ensuring our safety. To see a tribute to him and learn more about his work, go to the *Clemson World* Facebook site's discussion board (www.facebook.com/clemsonworld).

University of North Carolina at Charlotte. As former Charlotte mayor, he was recognized for his devotion, time and energy to improving the quality of life in the area. Clemson's Harvey B. Gantt Scholarship and Harvey Gantt Lecturer in African American Literature are also named in his honor.

1967

***Norman E. Dowling** (CE) of Blacksburg, Va., was awarded the Frank Maher Professorship in Engineering by the Virginia Tech University Board of Visitors. He's a professor of engineering science and mechanics, and materials science and engineering at Virginia Tech.

***Bob P. Trainor** (INDE) of Bartlett, Tenn., is celebrating 20 years of business for his

company, Trainor & Associates, a productivity improvement consulting firm.

1969

***Alton B. Jeffords** (AGRON, M '75 AGSC) of Lamar, **Carlin Creel Munnerlyn '78** (ANSC, M '82 AGSC) of Hemingway, ***Curtis D. White '80** (AGSC) of Seneca and **H. Keith Cox '86** (AGSC, M '94) of Latta were recipients of the Honorary American Future Farmers of America Degree at the 2008 National FFA Convention.

1970

***G. Frederick Worsham** (PREMED) of Charleston was honored by the Roper St. Francis Foundation with the 2008 Physician Champion Award for recognition in leadership and devoted service. He's a practicing pathologist.

1973

***Hugh M. Bland** (AGSC, M 84) of Edgefield was given the 2009 State Conservation Award by the S.C. Soil and Water Conservation Society of America. He's agriculture education instructor at Strom Thurmond Technology Center.

***Pamela Defanti Robinson** (ELED) of Columbia received the 2009 University of South Carolina Service Award. She's the director of the pro bono program at the university.

1974

***William S. Ambrose** (RPA, M '76) of York led a team of consultants, state and local agencies and organizations, and Duke Energy Lake Services in a two-year public recreation planning effort focused on lakes Keowee and Jocassee. The result led to improvements for lake area recreation.

Stephen S. (RPA) and **Danelle O'Toole** (PSYCH) **Nelson** are serving as missionaries in Kyiv, Ukraine. He has written the book *Secure in an Insecure World*. For more on the book, go to openmission.com.

***George F. Stang Jr.** (FOR) of Liberty, N.Y., retired from the USDA Natural Resources Conservation Service after 35 years of federal service. He's a consultant for agriculture and natural resource issues in the Northeast.

Roger J. Troutman (ZOOL) of Rock Hill was named the 2008 Veterinarian of the Year by the S.C. Association of Veterinarians.

1975

***Edward M. Shannon III** (POSC) of Columbia is executive vice president of the S.C. Independent Colleges and Universities Inc., after retiring as executive director of the S.C. Higher Education Grants Commission with 28 years of service to the state.



Clemson at Jo-Kell

Electrical engineering graduate **Casey T. Jones '72** and accounting graduate ***Cathy Barrineau Cherry '86** recently joined Jo-Kell Inc., in Chesapeake, Va., an electrical distributor and solutions provider servicing the military, commercial, marine and industrial marketplace. Jones is manager of the company's engineering services group, and Cherry is the chief financial officer.

Alan M. Wind (SED) of Marietta, Ga., was named one of WXIA-TV, Atlanta's 11 Alive Class Act winners for his outstanding accomplishments as an educator. He teaches history at Chattahoochee High School in Alpharetta.

1978

***Charles S. "Chick" Jacobs** (POSC) of Fayetteville, N.C., received a fellowship in the National Press Foundation's Understanding Violent Weather seminar held at the National Weather Center in Norman, Okla. He participated in panel discussions on weather emergency coverage in the new media world.

***James R.** (CE) and ***Marilu Putnam** (ENGL) **McGregor** are living in Houston, Texas. He's chief project manager of ExxonMobil Chemical Co., and she's a case manager at the Salvation Army Family Residence, a homeless shelter for women and children.

1979

***Kim L. Hellenga** (M MICRO) of Edwardsville, Ill., was certified by the National Registry of Microbiologists. He's senior research associate, business support group, R&D with Covidien in St. Louis, Mo.

***William F. McCrary** (FORMGT) of Chapin was awarded the 2009

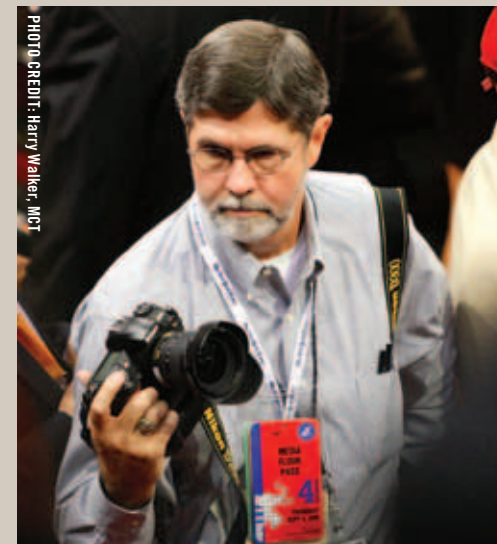
David H. Sandler Award by Sandler Training. He's the founder and CEO of Strategic Partner, a Columbia-based professional services firm that specializes in leadership and sales force development. He's also served on the board of a nonprofit adventure ministry based in Greenville. Great Outdoor Adventure Trips (GOAT) provides at-risk and underprivileged youth with whitewater rafting, rock climbing and backpack trips. Joining him on the board are his son, **R. Ryan McCrary '07** (GRCOMM) of Chapin, ***Anderson L. Baxley '04** (CE) of Greenville, **E. Sean Gaffney '06** (CE) of Bluffton and **Travis M. Yates '06** (CE) of Scotland, Pa. Go to www.goattrips.org for more information.

1981

Timothy S. (FINMGT) and **Kenyon Hill** ('82 ELED) **Powers** are missionaries in Kiev, Ukraine. She has written *The Lighter Side of a Serious Mission*, a book highlighting the unusual and amusing adventures they have had during their time living in the former Soviet Union. The book is available at powers.weebly.com.

1982

***Ken M. Robertson Jr.** (CHE) of Mooresville, N.C., was re-elected



Online journalism pioneer

Thomas H. Priddy '73

Tom Priddy and his five careers are a great example of how passion for your work and following with your heart can grow from a Clemson experience. Tom arrived at Clemson to major in architecture and then discovered it was not going to be where his talents lay.

He switched his major to English, embraced what was interesting to him as a freshman from New Jersey — namely *The Tiger* newspaper and Tiger Band. Priddy began his journalistic interest as a music reporter for *The Tiger* and ventured on to beat reporting.

His contributions and gifts to the world of modern reporting and its technology are vast. After graduation, he went on to be a reporter, features editor, music writer, graphics and design editor for several newspapers throughout the state and managing director for PressLink — a major online news service.

He has been a pioneer in digital photography, a builder and manager of *Knight Ridder Tribune Direct* and *NewCom* in Washington, D.C. He's currently the multimedia editor of *GoUpstate*, the Web site of *The Herald-Journal* in Spartanburg.

Priddy also works as a freelance photographer. His interest in photographing baseball has evolved to such a professional level that his work is used by *Baseball America*, *Sports Illustrated*, *ESPN* magazines and the *Washington Post*. He's a regular contributor to *MinorLeagueBaseball.com*, and many of his photos have "starred" on baseball cards.

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county commissioner in Iredell County. He's an application development and technical service engineer for DSM-Dyneema® in Stanley.

***Brad B. Smith**
(DESIGN, '83
BLDSC, '85 ARCH)

of Greenville was appointed a member of the S.C. Board of Architectural Examiners. He's a principal with Pazdan-Smith Group Architects.

***Mark D. Wasserman**
(ECON, M '83) of



Pfizer Global Health Fellow

***Richard J. Edwards M '74**

Environmental engineering and science alumnus Richard Edwards of Kalamazoo, Mich., has been with Pfizer, the world's largest research-based biomedical and pharmaceutical company, for more than 31 years. But he's recently taken on a new role with the company.

Earlier this year he began a six-month fellowship in Pfizer's Global Health program. Each year, Pfizer sends 40 or so of its volunteer employees out into developing world countries to support NGO organizations in the field of health and wellness. **Edwards is supporting the Water Aid Uganda program as a senior wastewater adviser.** Water Aid is a UK-based NGO with a mission to contribute to the provision of sustainable and equitable safe water and adequate sanitation to the poor through advocacy and strategic partnerships.

So far, he's supported urban sanitation projects at Kampala, Amuria and Buwana. The program follows the United Nation's Millennium Development Goals aimed at improving the world in places where help is needed and sanitation is a key factor in improving quality of life. A critical piece of the work is to bridge the gap between the UN Goals and implementation.

For more on Pfizer's Global Health Fellows program, go to globalhealthfellows.pfizer.com. And to view Edwards' journals of his trip, use ID "richard" and password "edwards."

Marietta, Ga., was re-elected to serve a second four-year term as managing partner of Sutherland Asbill & Brennan LLP law firm in Atlanta and Washington, D.C.

1983

James E. Amundsen (FORMGT) of Murrells Inlet was recalled to active duty in the U.S. Army. He's a major, Special Forces, stationed in Grafenwoehr, Germany.

Brian H. Nilsson (HIST) of Arlington, Va., is on a one-year rotation from his position at the Commerce Department at the White House serving as director of nonproliferation at the National Security Council.

1984

Bridget Bennon Lytton (POSC) of Columbia is director of account management in the national accounts



Bouknights go racing

The Bouknight guys at the 2009 Indy 500, from left, ***Justin '03**, ***Leonard '76**, **Jeremy '06**, **Wes LePage** and ***Mendal '74**.

Mount Vernon gardens

J. Dean Norton '77

Alumnus Dean Norton of Alexandria, Va., must have known what he wanted to do at an early age. The director of horticulture at George Washington's Mount Vernon Estate and Gardens actually began his career there as a high school student.

After earning a horticulture degree at Clemson, Norton returned to Mount Vernon. A few years later, he became the estate's horticulturist. He's taught courses through the U.S. Department of Agriculture Graduate School and, fittingly, for George Washington University.

Throughout his career, he's earned an array of honors including the American Horticultural Society's Professional Award. For more on his work at Mount Vernon Estate and Gardens, go to www.mountvernon.org.



department of Colonial Life & Accident Insurance Co.

John W. Raymond (ADMMGT) of Colorado Springs, Colo., was appointed to the rank

of brigadier general in the U.S. Air Force. He's serving as the commander, 21st Space Wing, Air Force Space Command, Peterson Air Force Base.

1986

J. Walker Coleman IV (ECON) of Mount Pleasant was named one of the 2009 S.C. Super Lawyers for Employment Litigation: Defense. He's an attorney with Parker Poe Adams & Bernstein LLP in Charleston.

Alice Ryan Stribling (ADMMGT) of Columbia is assistant vice president, enrollment technologies at Colonial Life & Accident Insurance Co.

1987

***Joseph J. Cappello Jr.** (POSC) of Manassas, Va., retired from the U.S. Air Force. Clemson alumni who gathered at the Pentagon to wish him well were ***Tom K. Saxe '82** (INDMGT), ***Roger A. Wilson '85** (COMPSC, M '91 BUSMGT), **Bob J. Cappello '89** (HIST), ***Bruce A. DuBois '83** (ET), ***Jeff D. Lowery '83** (MATH) and ***F. Carlos Hill '86** (CE).

1988

Katie Mahon Rama (MGT) of Mount Pleasant was elected to the board of directors of the S.C. State Museum Foundation.

1989

Sharon Lynette Jones (ENGL, M '91) of Anderson has published the book *Critical Companion to Zora Neale Hurston*:

A Literary Reference to Her Life and Work. She's assistant director of African and African American Studies at Wright State University in Dayton, Ohio, and associate professor of English language and literature.

John R. Perkins Jr. (EE) of Simpsonville is special counsel for intellectual property at Nexsen Pruet in Greenville.

Sarah Ann Richardson Turpin (ELED) of Clemson is a recipient of the 2009 American Civic Education Teacher Award by the Center for Civic Education, the Center on Congress at Indiana University and the National Education Association. She's a teacher at Clemson Elementary School.

M.D. Anderson legacy

S. Eva Singletary '77

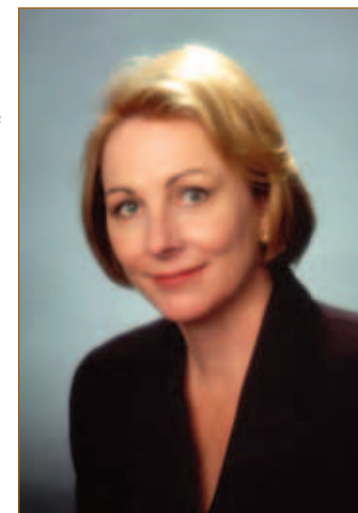
Physician Eva Singletary, professor of surgical oncology at The University of Texas M.D. Anderson Cancer Center in Houston, has a story to tell.

The 1977 premed graduate is one of 26 successful women faculty members profiled in the book *Legends and Legacies: Personal journeys of women physicians and scientists at M.D. Anderson Cancer Center* edited by Elizabeth L. Travis.

The S.C. native's journey takes her from her hometown of Coward to Clemson to medical school to her present position at M.D. Anderson. In a field populated early on by so few women, Singletary made a commitment to treat cancer patients and followed it unwaveringly.

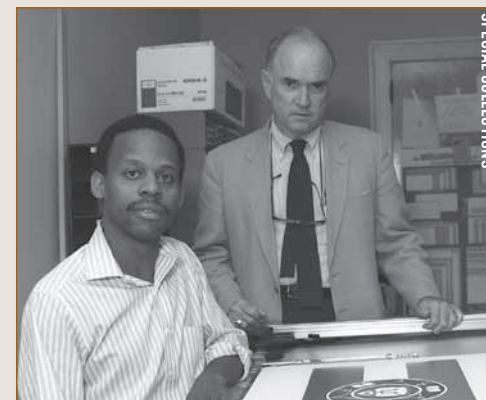
In *Legends and Legacies*, she recognizes those who inspired her along the way and includes her time at Clemson. She notes that the faculty and students created a sense of family that still exists today.

For more on women faculty at M.D. Anderson or to order the book, go to www.mdanderson.org/departments/womenfaculty.



Centennial flashback

University graphic designer ***Connie Mack Floyd M '77** (left) collaborated on the design for the Clemson centennial flag with University historian ***Jerry Reel** during Clemson's centennial celebration in 1989. (See how art from the flag is reflected in our new academic symbol on p. 20.)



SPECIAL COLLECTIONS

'Extreme' project

Mechanical engineering graduate **Will Johns '87** (right) and accounting graduate ***Mark Powers '82** put in tons of work on a project in Charlotte, N.C., for the ABC program "Extreme Makeover, Home Edition." During the five-day build, the crew constructed and decorated a complete house from ground up.

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1990

David J. De Vita (S&HMG) of Greenville is founder and president of Carolina Safety Consultants, which was recognized as Small Business of the Month for March 2009 by the Greater Greenville Chamber of Commerce.

Allen B. Ward (CE, M '91 ESE) of Bluffton is president of Ward Edwards, a civil engineering and consulting firm. The firm has awarded \$9,000 grant monies and in-kind services to organizations that promote environmental sustainability in coastal South Carolina and Georgia.

1992

W. Rob Chumley (POSC) of Woodruff was appointed judge to the Spartanburg County Court. He teaches government and business at Spartanburg Community College and is office manager of Drainbox LLC.

Jennifer L. Ealey (SPAN, M '08 CNLED) of Seneca received a master's degree in counselor education from the University and is a counselor with the Upward Bound program at Tri-County Technical College in Pendleton.

***Phil L. Lindler** (SOC, M '94 CRP) of Greenwood was elected president of the S.C. Chapter of the American Planning

Association. He's a city/county planner.

***Deborah Jackson Thomason** (EDD VOCTEC) of Westminster received a leadership award for building family strengths programs from the S.C. Association of Family and Consumer Sciences and the S.C. Department of Education.

1993

William H. Jarrard (M PACC) of Mount Pleasant was appointed to the S.C. Association of Certified Public Accountants professional relations task force and its memberships and benefits committee. He's a CPA and principal of Jarrard, Nowell & Russell.

Jaro Zawislan (COMPSC) formerly of Ontario, Canada, was named head soccer coach at Cornell University in Ithaca, N.Y. The former Clemson soccer great played professionally in the U.S. and Poland.

1994

S. Dickson O'Brien (EE) of Chapin is head of the electrical engineering firm GWA in Columbia. GWA won a 2009 Engineering Excellence Award for the uninterrupted power system replacement project at the Medical University of South Carolina and the Small Firm Award by

the American Council of Engineering Companies-S.C.

***Sonya Angelakos** (PSYCH) and ***Tom H. (MGT) Selander** are married and living in Charleston. She's in customer service with Wells Fargo, and he's owner of Horizon Mortgage.

1995

Gregory T. Edwards (HIST) of Charleston is vice president and general counsel with Roper St. Francis Healthcare.

Steven A. Hammer (CHE) of Dallas, Texas, is chief audience developer for a free online dating site, *Downtoearth.com*.

Eric B. Nail (SED-SOC) of Charleston received the 2009 Pearson Prize – Teen Choice Award for his book, *The Wave Wranglers and the New Order of the Pyramid*. Learn more about the book at www.wavewranglers.com.

1996

***Dan M.** (BIOSC) and ***Mary Atmar Owings** (PSYCH) **Bradley** are living in Charleston. He's an attorney with Olson, Good and Brown law firm, and she's a part-time speech pathologist in pediatric home health.

***Virginia Freeman Hayes** (ENGL) of Greenville is a Realtor with Prudential C. Dan Joyner Co. and has



'Color of the Land'

Joseph Drew Lanham '88, M '90, PhD '97

Clemson alumnus and forestry and natural resources professor Drew Lanham's mix of history, philosophy and conservation has earned him national support for an in-state project.

In his project — "The Color of the Land" — Lanham is contacting, educating and providing technical support for African American rural landowners across South Carolina. He's learning firsthand how a significant but underserved population of potential conservationists value and manage their property.

He's also helping them develop strategies to implement sustainable timber and wildlife management practices.

Lanham, who holds Clemson degrees in zoology and forestry, is one of only 40 people selected nationwide for the TogetherGreen Conservation Leadership Program, part of a new initiative of the National Audubon Society with support from Toyota. For more on the project, contact Lanham at (864) 656-7294 or lanhamj@clemson.edu, or see his video at www.clemson.edu/public/psatv/env/lanham_land.html.

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launched a Web site (www.virginiahayes.com).

J. Rett Rutland (SCT-MATH) of Rock Hill received the State Farm® Chairman's Circle Award for outstanding sales ability.

1997

***Will G. Bullock Jr.** (DESIGN) of Charlotte, N.C., is a partner and head of graphic intelligence with SLANT Media, a full-service creative and marketing studio founded by **Christopher Cecil '01** (DESIGN).

***Nanette Falb Duffey** (FINMG) of Kennesaw, Ga., was awarded the Microentrepreneur of the Year Award by Georgia Micro Enterprise Network. She's an organizing and training professional who started Organized Instincts LLC (organizedinstincts.com).

Alexandra I. Lautenschlaeger (BIOL, '98 SOC) of Spartanburg was named South Carolina's Young Dietitian of the Year by

the American Dietetic Association. She's clinical nutrition manager at Palmetto Health in Easley.

1998

***Mark R. Fisk** (CHE) of Houston, Texas, is vice president of engineering at Fairways Offshore Exploration Inc., a private oil and gas exploration and production company.

Haralambos D. Mihas (HIST) of Dearborn, Mich., received a law degree from University of Michigan Law School and is an attorney at Butzel Long in Detroit.

1999

L. Kevin Bell (PRTM) of Greenville received a master's degree in education from Anderson University in Anderson.

Jeannette M. Myers (M PHYS, PhD '03) of Central received the Award for Excellence in Service from Francis Marion University in Florence. She's assistant professor of astronomy, director of the Dooley Planetarium and the FMU Observatory, and coordinator of the astronomy program.

Amanda Lenoci Zang (ACCT) is married and living in Washington, D.C.

2000

***Craig D. Story** (FINMG) of New York, N.Y., has joined J.P. Morgan Private Bank.

Young Engineer of the Year

L. Suzanne Aultman '00, M '02

Success is nothing new to civil engineering graduate Suzanne Aultman of Atlanta, Ga. She is, after all, a chief engineer with Metromont Corp., one of the largest privately owned precast/prestressed concrete companies in the country.

In July, she was named the 2009 National Society of Professional Engineers Young Engineer of the Year.

Aultman, who was the 2008 S.C. Society of Professional Engineers Young Engineer of the Year, is involved in the Precast/Prestressed Concrete Institute where she serves on various committees. She's also an adjunct professor in Clemson's civil engineering department where she's taught prestressed concrete design.

As a volunteer with Engineering Ministries International, she's served as a structural engineer intern in India and has been a structural engineer volunteer on project trips to Guatemala and Jordan.



ICON of sport flying

Thomas H. "Kirk" Hawkins '91, David A. Crook '92

Clemson mechanical engineering graduates Kirk Hawkins (right) and David Crook are in a business designed to help people live out their dreams of flight — ICON Aircraft in Los Angeles, Calif.

Hawkins, who's also a graduate from Stanford Business School, founded ICON Aircraft in 2005 with Stanford classmate Steen Strand. Its first product is the ICON A5, a spectacular sport aircraft to inspire pilots the way great sport cars do drivers.

Hawkins got the idea soon after the Federal Aviation Administration's groundbreaking regulatory change in 2004 creating the Light Sport Aircraft category and sport pilot license.

An accomplished engineer, former U.S. Air Force F-16 pilot and longtime motorsport enthusiast, Hawkins began his love of flight at Clemson. As a student, he built an ultralight airplane on his own and equipped it with floats so that he could land it on Hartwell Lake.

Clemson classmate and friend David Crook joined GE Manufacturing Management Program after graduation, which included assignments at GE Aircraft Engines. He gravitated toward finance and later became a director for GE Capital. **After Crook earned an MBA from UCLA's Anderson School of Management, he became a senior vice president at CWCcapital. In 2005, he joined ICON part time as chief financial officer and came on board full time in 2009.**

Since January 2009, ICON and the A5 have been hot topics for "FOX News," the Discovery Channel and other media outlets and publications. For more on ICON, its full team and its A5, go to www.iconaircraft.com.

Great smiles!

This Clemson gathering took place at the College of Dental Medicine at the Medical University of South Carolina.

The new dentists are, first row from left, **June Winston Price '05**, **Chris Costa '05**, ***Mary Frances Ross '04**, **Maylyn Price '04**, **Lori Simmons Cook '04**; second row, **Michael Snider '05**, **Sarah Proulx Donald '05**; third row, **Reese McElveen '04**, **Eric Jones '05**, **Will Owen '00** and **Robin Strickland Skowronski '05**.



Underwriter designation from the American College. He's a financial planner of Blakeslee & Associate, MetLife®.

***John Alex** (ME) and ***Tanya Diaz** (SPECED) **Tenney** are married and living in Greenville. He's a mechanical engineer with Fluor Corp., and she's a special education teacher with the Greenville County School District.

2007

H. Walt (MGT) and **Haley Hardgrove** ('08 L&IT) **Clay** are married and living in West Columbia.

***Sonya Nazar** (MICRO) and ***Coker B.** ('08 MGT) **Prosser** are married and living in Lynchburg, Va.

Lindsey S. Simpson (PKGSC) of Wilmington, N.C., was a finalist in a Hallmark Card-Creation contest. She used her winnings to donate to the Make-A-Wish Foundation and to Tanner's Totes Inc. She's associate package developer for Coty Beauty, a division of Coty Inc. in Rocky Point.

2008

Marshall D. Saunders (ME) of Greenville is pursuing a Ph.D. in automotive engineering at Clemson's Carroll A. Campbell Jr. Graduate Engineering Center located on the CU-ICAR campus.



31K miles in 36 days

Ryan Fernandes '08

Biochemistry graduate and MBA student Ryan Fernandes already knows something about world travel. A native of Mumbai, India, and longtime resident of Greer, Fernandes spent the month of May in a whirlwind tour that included Australia, Belgium, China, France, Germany and India.

Fernandes' enterprising trip came together because of Clemson connections and experiences in and out of the classroom. As an undergraduate, he took two executive leadership and entrepreneurship classes related to his major. During his senior year, he received the John Copses Business Scholarship, awarded by the Spiro Institute for Entrepreneurial Studies. And his extracurricular experiences included student government and co-founding (with Oliver Basic '07) an indoor soccer league at Clemson.

This year, he received a fellowship through the Clemson MBA Student Association for a study abroad program and decided to complete a two-week program in China. From there, he put together a return trip through other countries.

He stayed with family in Australia and India and with Clemson friend Oliver Basic in Germany. His trip to Brussels was based on recommendations from Brussels students who had visited Clemson and Clemson students who completed a Maymester at the Clemson University Brussels Center.

For more photos and a travel journal, go to www.ryanfernandes.com.

Happy graduation times 2!

*Paula A. and *Jeronica Williams '09

During the morning ceremony of Clemson Commencement May 2009, Jeronica Williams walked across the stage in Littlejohn Coliseum to receive her packaging science degree while her family glowed with pride.



Then, in the afternoon ceremony, they glowed some more. This time the new graduate was Jeronica's mom, Paula Williams, who walked across the same stage and received her degree in human resource development.

In fact, Paula, an administrative assistant in Clemson's PEER office (Programs for Educational Enrichment and Retention), is a living example of the PEER philosophy and an inspiration to PEER students. Both mother and daughter plan to pursue their master's degrees.



Clemson at Parker

Clemson cooperative education students and alumni at Parker Hannifin Corp. in Moncks Corner, from left, **Silas Turner** (student), **Kyle Webster** (student), **Kevin Dejonckheere** (student), **Doug Billings '04**, **Kelly Wright '90**, **Erik Akrop '06**, **Brandon Bland '00**, **Ross Epstein** (student) and **Barry Blackburn '84**.

Alex K. Ball '35, Charleston

James P. McMillin '35, Bryan, Texas

David H. Roberts '35, Greenwood

Hiott C. Edens '37, Little River

William G. DesChamps '38, Bishopville, Clemson trustee emeritus

Levi Q. Fellers '40, Winnsboro

Harry B. Mays '40, Fair Play

Julian L. Murph '40, Seneca

Thomas C. Bethea '41, Florence

H. Balfour Foster '41, Greenville

Robert B. Moise '43, Charleston

Robert T. Harrison '44, Greenville

J. Edward Webb '44, Fayetteville, Ark.

Charles H. Fant '47, Rock Hill

Harry M. Wilson '48, Anderson

Albert C. Bruce '49, Taylors

Robert H. Fellers '50, Columbia

W. David Bozard '51, Chester

Harold S. Clinkscales '51, Starr

Billy W. Mathis '51, Peachtree City, Ga.

Jefferson D. McMahan III '51, Camden

James V. Patterson '51, Clemson

Clarence W. Lay '52, Seneca

John R. Cauthen Sr. '53, Lancaster

Paul W. Coleman '53, Mountville

Howard G. Love '56, Columbia

Olen T. Arms '57, Spartanburg

D. Gerald Gillespie '58, Anderson

William H. Renwick Jr. '58, Arnold, Md.

Thomas W. Brown '59, Monroe, Ga.

Wayne H. Martin '59, Aliceville, Ala.

Roger W. Stevenson '59, Knoxville, Tenn.

Louis P. Fuller '61, Lancaster

Charles C. Hagood '62, Easley

Larry R. Tant '62, Poquoson, Va.

Santos G. Valdes '63, Caracas Venezuela

R. Harry Vaught '64, Aiken

Kenneth J. Russo M '65, Salem, architecture professor emeritus. Memorials may be made in his honor to CAF/ Architectural Studies, 150 Lee Hall, Clemson, SC 29634.

John K. Segars '69, Bishopville

M. Cooper Thompson '70, Columbia

Michael P. Harris '72, Rio de Janeiro, a passenger on the Air France flight that crashed into the Atlantic between Brazil and Africa

P. Lindstrom Whatley '72, Chicago, Ill.

David R. Lever '75, Coppell, Texas

Jerry S. Cely '76, Greenville

Louis E. Fay III '76, M '80, PhD '83, Fort Walton Beach, Fla.

Claude E. Harris Jr. '78, Anderson

David R. Stone '79, Greenville

Norman A. Henderson III '80, Greensboro, N.C.

Mark C. Jennings '81, Folly Beach

Nnamdi Nwokocha '83, Onitsha, Nigeria, Clemson soccer legend

Gary D. McDaris '86, Newburgh, Ind.

Gilbert K. Gregory '89, Spokane Valley, Wash.

Melissa Lee Bryan '91, Tamassee

Susan Simpson Miller '93, Cumming, Ga.

Adam C. Becker M '09, Walhalla

Matthew G. Theiling, junior, Piedmont

Nicholas J. Parker, sophomore, Odessa, Fla.

Jacob Christopher Buckley, freshman, York

FACULTY AND STAFF

Hugh J. Clausen, Clemson, retired vice president of administration and secretary of the board of trustees. Memorials may be made in his honor to The Brooks Center for the Performing Arts, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Horace W. Fleming, Macon, Ga., founding director of the Strom Thurmond Institute of Government and Public Affairs.

Frederick T. Simon, Clemson, textile science professor emeritus. Memorials may be made in his honor to the Frederick Tyler Simon Endowed Scholarship Fund, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Thomas C. Tanner, Athens, Ga., director of the Regional Dynamics and Economic Modeling Laboratory in the Strom Thurmond Institute.

Judith E. Voelkl, Champaign, Ill., parks, recreation and tourism management professor. Memorials may be made in her honor to the Judith Voelkl Scholarship Fund, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Jerry A. Waldvogel, Clemson, biological sciences professor. Memorials may be made in his honor to Biological Sciences Curriculum Study, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889. To view a tribute to this beloved professor, go to www.jerry-waldvogel.virtual-memorials.com.

Lorrie Lindsay Lusk '89, a son, Justin James, Sept. 6, 2008.

Joanne Herko Cullinan '91, a son, Christopher Patrick, July 22, 2008.

Catherine Crane Wilkins '92, a son, Campbell Crane, Dec. 10, 2008.

Gene E. Forney '93, a daughter, Ava Grace, March 6, 2009.

James N. III '93, M '99 and Jamie Griggs '99 Goodson, a son, Graham Michael, Feb. 10, 2009, grandson of **W. Mike Griggs '70**.

Kendra Taylor Krezanosky '93, a son, James Philip, Sept. 9, 2008.

Christi Hunt Chambers '94, a son, Claiborne Jayce, Dec. 5, 2008.

Christopher J. '94 and Nicole Roberts '96 Diak, a daughter, Karrigan Anne, April 28, 2009.

Jeffrey S. '94 and Jamie Minick '99 Field, a daughter, Sara Elizabeth, Dec. 29, 2008.

Sonya Angelakos and Tom H. Selander '94, a daughter, Riley Grace, Feb. 13, 2009.

J. Gregory Cooper '95, a son, Ian Phillip, Feb. 7, 2009.

Bryan N. '95 and Amanda Travis '97 Elmore, a daughter, Kendall Elise, Nov. 21, 2008.

Ryan Hauck '95, a son, Deven Thomas, March 24, 2009.



Kristen Grubb '95 and Christopher '97 Patterson, a daughter, Caitlin Rose, April 17, 2009.

K. Wesley Porter '95, a daughter, Audrey Ann, July 24, 2007.

Daniel M. and Mary Atmar Owings Bradley '96, a son, William Atmar, April 24, 2009.

Matthew M. '96, M '98 and Kim Hazelwood '98 Cettei, a daughter, Anastasia Hazelwood, Oct. 24, 2008.

Joseph L. Munn '96, a son, Joey Lynn, Nov. 29, 2008.

Carrie-Ann Dunn Tulloch '96, twins, Ethan John and Megan Elizabeth, Oct. 3, 2008.

John W. '97 and Kristie Monjack '98, M '07 Campbell, a son, William Robert, Feb. 16, 2009.

Joel A. and Katie Simmons Dutton '97, a son, Jack Evans, Dec. 14, 2007.

Michael P. and Nicole Caputo Mastro '97, a daughter, Avery Jordan, May 11, 2009.

Matt T. Carmody '98, a son, Colin, Feb. 19, 2009.

Chris M. Johnson '98, a son, Benjamin, Feb. 16, 2009.

Brandon T. Scruggs '98, twin daughters, Riley Olivia and Tegan Celia, Feb. 16, 2009.

Joshua L. Ward '98, a daughter, Olive Payton, July 4, 2007, and a son, Wyeth Levy, April 2, 2009.

Martha Leath Bridges '99, a son, Connor Glen, July 29, 2008.

Steven A. '99 and Greshan Alexander '00 Charlton, a daughter, Kayce Abigail, Dec. 16, 2007.

Jill Worden Foxen '99, a daughter, Emma Faith, Aug. 17, 2008.

Andrea Schinck '99, M '00 and Robert M. '01 MacMeccan, a daughter, Avery Grace, June 9, 2008.

Bryan B. and Kristin Tomlinson Patterson '99, a daughter, Sadie Grace, Dec. 31, 2007.

Jennifer Vaughn Beaver '00, a son, Nathanael Jackson, Feb. 25, 2009.

Lacey Rhymer '00 and Matthew D. '02 Cobb, a daughter, Carson Ann, Feb. 2, 2009.

Bryan K. '00 and Julie Long '01, M '03 Taylor, a daughter, Sarah Kate, April 13, 2009.

Patrick W. and Susan Wiggins Thompson '00, a son, Owen Patrick, Oct. 21, 2008, great-grandson of the late **L. Lester Thompson '42**.

Miguel L. Green '01, a son, Miguel L. II, Nov. 28, 2008.

Jonathan Ryan Glenn '02, a daughter, Madison Nicole, Nov. 20, 2008.

Heidi Donald Bowman '03, a son, Hunter James, April 11, 2008, grandson of **Bill J. Donald '73**.

Danielle Mathers and M. Brad Hutto '04, a daughter, Perrin Elizabeth, Jan. 29, 2009.

Douglas M. and Sarah Slyker Perkins '04, a daughter, Margaret Elizabeth, Feb. 10, 2009.

Brian J. and Marya Clifton Marsh '06, a son, Connor Brian, Oct. 24, 2008.

Sonya Nazar '07 and Coker B. '08 Prosser, a daughter, Chloe Michelle, Aug. 10, 2008.



You can help beat the Gamecocks!

Be on the lookout for the online Clemson-Carolina Challenge for alumni participation at www.kickthechicken.net. Your gift, regardless of amount, counts as a point in favor of Clemson alumni. And best of all, your gift helps make our students winners in scholarships and other academic opportunities.

A Tribute to Coach Frank Howard in Story and Song by "Marshal Andy" Smalls
Center/Linebacker, Clemson Tigers® 1949-1959

\$10.00
Available online at www.echoesofthetigersroar.com

"Marshal Andy" Smalls Reminisces about Coach Frank Howard (4:58)
Tribute to Coach Frank Howard/ The Story of Howard's Rock™
Vocal by Andy Smalls (3:01)
More Stories about "The Coach"
Andy Smalls (12:59)
A Tribute to Clemson's Big Game Traditions
in Song and Poem
Clemson®-Carolina™
Performed by Shawn Lane, Al Osteen and Becky Osteen (2:29)
Bowden Bowl
Performed by Bryan Cumming (2:51)
Cinderella Season: The 1981 National Championship
Poem recitation by Andy Smalls (3:19)
Tiger Rag
Performed by Clemson University "Tiger Band" (LaRocca/Public Domain) (1:16)

ECHOES OF THE TIGER'S ROAR!
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Summer/Fall 2009

What's new?
We like to hear from you.



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.

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

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

Send your news by email 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/update.

Remember — include your name, year of graduation, major, town and state.

1. Venice

*Jim '57 and *Ruth Coleman celebrating their 25th wedding anniversary with a gondola ride



2. Alaska

Alex '61 and Dale Newton McLeod with granddaughter, Madison Smith, atop the Mendenhall Glacier, Juneau



3. South Africa

*Hunter Gilstrap '05, three-year letterman for Clemson soccer, now pro soccer player with Maritzburg United, and his father, *Rick '72, three-year Clemson football letterman, after a scrimmage match at the University of KwaZulu-Natal, Pietermaritzburg



4. Costa Rica

Joe '77 and Karin '78 Guy, and *Lana '75 and *Steve '76 Ross with their tilapia from the Tempisque River



5. Maine

*Cindy Bruce '77 and Michael Langley at Thunder Hole, Acadia National Park, Bar Harbor



6. Italy

*Mike '78, *Carol '80 and *Chris '08 Del Campo at the Coliseum



7. Iraq

Lt. Col Floyd "Randy" Harris '78 (retired) with the Boy Scouts of Iraq in Baghdad



8. Yellowstone National Park

*Gareth '07, Meghan (student), Ashley, Rudy '79, Beth, *Matthew '04 and Sonya '79 Ables atop Mount Washburn



9. New York City

Layne Bailey Smith '81, *Valerie Crelia Shaw '81, *Karen Kropp '81, *Janet Rucker Williams '80, *Barbara Feldhacker Hudson '83, Lisa Sierra Bursch '80, *Lynn Peck Chandler '81, Jayne McAlister Traurig '81, Diane Boyles Carnes '81, *Nan Brock Buckley '81 and *Terri Rudder Barnes '81 celebrating their 50th birthdays on the set of ABC's "Good Morning America" with Robin Roberts and Chris Cuomo



10. China

Sharon Meckelnburg Struthers '81 at the Beijing Olympics inside the Water Cube



6.



7.



8.



9.



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12.



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14.



15.



16.



17.



19.



20.



* Active Clemson Fund donor for 2009 Fiscal Year (July 1, 2008 - June 30, 2009). For more information, call Annual Giving at (864) 656-5896.

11. Malaysia

*John Wilde '83 at the Petronas Towers in Kuala Lumpur

12. Iraq

Col. Jim E. Fairchild '85 and Chief Master Sgt. *Steve Colbert in front of the Al Faw Palace in Baghdad

13. Budapest

Jeff Arnold '86 in front of the Hungarian Parliament Building

14. Switzerland

*Jay H. Bryan '87, with children, Madeline and Nic, atop the Swiss Alp Stanserhorn, overlooking Lake Lucerne

15. New Zealand

*Becca Driggers '90 and David Doswell at the Prince of Wales Feather Geyser at Whakarewarewa Thermal Reserve

16. Australia

Joey '91 and Deena Summer '89 Bishop in front of the Sydney Opera House

17. Germany

*Chris and *Beth Taylerson '91 in the Bavarian Alps near Mittenwald

18. Florida

*Kim Sandefer Goforth '92, *Ellen Frame '03 and Michelle Fractalossi '03 at the Gator Bowl 5K in Jacksonville

19. Afghanistan

Capt. Todd Shore '92 (right) on his last mounted patrol in Zabul Province

20. England

*Shannon Kelley '94, Julia Barham '93 and *Colin Kelley '94 in front of Hampton Court Palace

21. Grand Cayman

Jeremy Moore '95 with a mermaid on Sunset Reef



22. Hawaii

*Kristie Campbell '98 M '07, *Kristi Whitaker '97, *Matt Christie '98, *Lee Whitaker '97, *John Campbell '97 and *Sara Christie '99 with a mahi-mahi reeled in by Sara



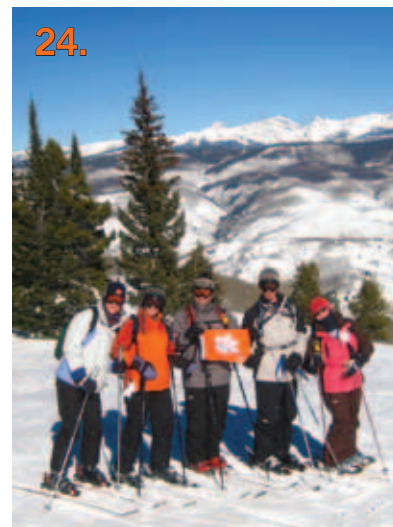
23. U.S. Virgin Islands

*Tim and *Shara Witherspoon Clark '00 atop Ram Head, St. John



24. Colorado

*Sarah Stanhope '03, M '07, Susan Perrone '03, Chris Clapp '02, M '03, *James Heatley '02 and *Jill Pavese '02 at Beaver Creek Ski Resort in Avon



25. Caribbean Sea

Lt. Stephanie "Pantz" Johnson '05 on the E-3 AWACS over the Caribbean Sea



26. Argentina

*Bill and *Kacie Lewis Forrest '06 in front of Mount Aconcagua in the Andes Mountains



27. China

Sri Kapali M '06, who works for TM GE Automation Systems in China, taking in the sights



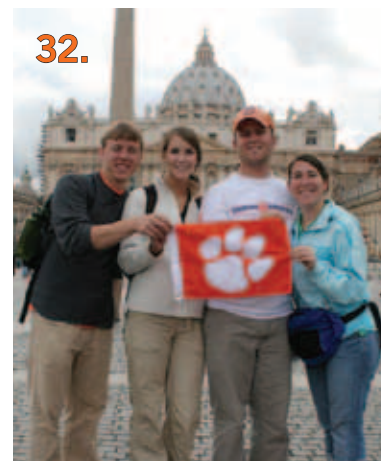
28. Oklahoma

*2nd Lt. Sabrina Madore '06 and *2nd Lt. Timothy Chmielewski '08 during a short break from training at Fort Sill



29. Alaska

*John Putnam '06 and *Kelly Rogers '07 drove from California to Alaska on the Alaska Highway



30. Australia

Andy Campbell '08 visiting Sydney

31. Honduras

*Chrissy Carpenter '08 and *Drew Powell '08, volunteer teachers, in Cofradia

For more *Clemson World Travelers* ...

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 www.clemson.edu/clemsonworld/travelers.

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

OPERATION 'Empowering Our Future'

Alumni support of the Clemson Corps is critical to the growth and enhanced mission-readiness of Clemson's ROTC programs. Thank you to all who have joined the operation. You are helping to ensure freedom by empowering our young leaders today.

- 467 ROTC cadets have received scholarships since 1999.
- 32 percent of the Army cadets are receiving scholarships this year.
- 54 percent of the Air Force cadets are receiving scholarships this year.



www.clemson.edu/alumni

Use the envelope in this magazine, or make a secure online contribution at www.clemson.edu/isupportcu. Specify that your gift is for the Clemson Corps.



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New Alumni Board members left to right Andrea MacMeccan, Evan Vutsinas, Sandy Edge, Jessie Hood, Teresa Coles.

New directors on board

The Clemson University Alumni Association board of directors has elected five new members to three-year terms:

Teresa Sarvis Coles '84 of Lexington, a principal with marketing and public relations firm RIGGS Inc., has served on Clemson's Alumni Council and Women's Alumni Council board.

Sandy Edge '72 of Clemson, a retired Air Force colonel and current director of the College of Business and Behavioral Science Academic Advising Center, is chairman of Clemson Corps.

Jessie Richardson Hood '94 of Atlanta, Ga., a health-policy analyst for the Centers for Disease Control, is chairwoman of Women's Alumni Council, past-chairwoman of Clemson Black Alumni Council and board member of the Atlanta Clemson Club.

Andrea Schinck MacMeccan '99 of Greer, a vice president and process-design consultant for Bank of America, has served on the Alumni Council and is former chairwoman of Women's Alumni Council.

Evan Vutsinas '79 of Old Hickory, Tenn., a retired air-traffic controller for the U.S. Department of Transportation, is president of the Nashville Area Clemson Club.

Call for Alumni Association Board nominations

We need your help in selecting a few outstanding alumni to join the Clemson Alumni Association board of directors.

We're looking for candidates with sound judgment, strong work ethic, demonstrated service to the University and Alumni Association, leadership qualities and potential, and the desire and vision to advance the goals and objectives of the Alumni Association.

The board is responsible for overall policy, direction and organizational vision of the Alumni Association. Its members oversee financial and administrative affairs of the Alumni Association; establish policies and goals to fulfill its mission and purpose; deliberate and decide on any proposed contractual relationship or partnership between the Alumni Association and any outside party; and give reports to the Alumni Council.

To nominate such a candidate (by November 30), go to cualumni.clemson.edu/boardnominations or contact Wil Brasington at wil@clemson.edu.



Jim Sweeny edges out a few other Class of 1939 members at the Golden Tiger Breakfast during reunion for the oldest alumnus (in attendance) and receives a Clemson Orange tie from young whippersnapper Wil Brasington, Alumni Relations senior director.

Class of '39 grows

While other classes are shrinking, the Class of 1939 is growing through its honorary members, who have been charged to continue the class's legacy to the University.

During reunion they named the new honorary president — Chip Egan, interim dean of the College of Architecture, Arts and Humanities, and a Class of 1939 Award of Excellence recipient.

He and other honorary members will continue the Class of 1939's faculty excellence award, S.C. Botanical Garden endowment and projects, and a scholarship endowment.

Pack your Tiger rag for travel!



Save your energy to cheer for the Tigers. Leave the travel arrangements to us. For away games this fall or international travel throughout the coming year, go to cualumni.clemson.edu and click on "alumni travel."

Welcome back, Alumni!

More than 600 alumni and friends returned to campus for Reunion 2009 to catch up on the University and each other. They packed in a weekend of everything Clemson from ice cream to the Jungaleers, from sports updates to tours, from memory videos to class parties.



Golden Anniversary Tigers sing Clemson Alma Mater.

'That the Tiger's roar may echo'

Clemson's golden anniversary class — the Class of 1959 — celebrated its 50th anniversary. Since their graduation, Class of 1959 members have given \$2.8 million to support students, programs and other University priorities. Their generosity continues to help Clemson students and generations to come.



Charlie Bussey, Chalmers Butler and their classmates clip ribbon on their new rotunda.

Class of '57 opens rotunda

During reunion, the Class of 1957 cut the ribbon on its golden anniversary gift to the University, a magnificent rotunda in the President's Park along S.C. 93.

The structure, made of sand-face finished brick, is 30 feet in interior diameter, 21 feet tall and has a domed roof covered with standing seam zinc. The centerpiece of the rotunda is a black granite medallion set flush into the brick-paved floor. The medallion has inlaid bronze elements inspired by the 1957 Clemson ring.

Class of '60 goes 'Green'

The Class of 1960 broke ground for its 50th anniversary project. The Class of 1960 North Green will feature a terraced green from the Carillon Garden toward the Outdoor Theater and reflection pond.

The site will include new sidewalks, lighting, benches and improved access routes to the area. The top of the green will feature the Transition Wall, which tells the story of four major milestones that took place at Clemson during the late 1950s and early 1960s: from a military school to a civilian school, from all-male to coeducational school, from college to university and from an all-white student body to an integrated one.



President Jim Barker and 1960 alumni Luther Bigby, Don Fowler and Allison Dalton dig into class project.

The 2009-10 Clemson Alumni Association Board

Leslie D. Callison '81, president
Lexington, lescal59@aol.com

James A. "Jimmy" Kimbell III '87, president-elect, Anderson, jimmy.kimbell@bankanderson.com

E. Grant Burns '88, past-president
Greer, grant.burns@alumni.clemson.edu

James "Jimmy" Addison '68,
Clemson University Foundation
Atlanta, Ga., james.addison@troutmansanders.com

Mary Anne Bigger '88, IPTAY
North Augusta, bbigger@comcast.net

B. Lindsey Clark '02
Orlando, Fla., blindseyclark@hotmail.com

Teresa S. Coles '84
Lexington, tcodes@riggsadvertising.com

W. Paul Craven '87
Greer, paulc@grandsouth.com

Sandy Edge '72
Clemson, sedge@clemson.edu

L. Taylor Garick III '94
Orangeburg, lgarick@sc.rr.com

Rick Griffin
Beaufort, dwtwnmarina@islc.net

Jessie R. Hood '94
Atlanta, Ga., jessierichardson@alumni.clemson.edu

Ann W. Hunter '80, M '82
Greenwood, ann.hunter@alumni.clemson.edu

Satch Krantz '72
Columbia, skrantz@riverbanks.org

Andrea MacMeccan '99
Greer, amacmec@alumni.clemson.edu

Allen Martin '69
Vienna, Va., amartin@livingstongroupdc.com

Mike Maxwell '67, M '68
Atlanta, Ga., mjmaxwell@aol.com

R. Kelly Molony '83
Charleston, kelly@creditadjustment.com

Evan Vutsinas '79
Old Hickory, Tenn., evtiger@comcast.net

Greg Youngghans '93
Camden, gyoungghans@go2uti.com

Ex-Officio members include:
J.J. Britton '58,
Clemson Board of Trustees
Sumter

Wil Brasington '00, Alumni
Relations senior director
Clemson, wil@clemson.edu

Brian J. O'Rourke '83, M '85,
Development and Alumni Relations
executive director
Clemson, orourke@clemson.edu

Greenville Club goes Solid Orange

The Greenville Clemson Club is making two new gifts to the University totaling \$50,000 over a five-year period.

•\$25,000 to the College of Business and Behavioral Science's Renaissance Center in downtown Greenville.

The center brings together business and community leaders with faculty and students in new business development projects.



Ross Turner, president of Greenville Clemson Club, and Caron St. John, director of Spiro Institute for Entrepreneurial Leadership.

•\$25,000 to the Clemson Athletic Department for renovation of Riggs Field.

The historic field is being upgraded and improved to reflect the University's soccer legacy. (For more on the Riggs renovation, contact Bobby Couch at jcouch@clemson.edu.)

The club is also donating \$25,000 to the Children's Museum of the Upstate.



Tiger fans meet the coaches during spring meetings.

Clemson Clubs prowl & growl

The Clemson Alumni Association and IPTAY took Prowl & Growl spring meetings on the road to nine locations and well over 4,000 fans. They made stops at Rock Hill; Charleston; Florence; Raleigh, N.C.; Greenville; Aiken; Lexington; Atlanta, Ga.; and the Grand Strand.

Clemson alumni and supporters got to catch up on the latest University news, meet coaches Dabo Swinney and Oliver Purnell, learn some of the ins and outs of plays, relive highlight videos from the past year and dine with fellow Tigers.

To see photos taken at Prowl & Growl or to find out what's coming up for your Clemson Club, go to cualumni.clemson.edu and click on Clemson Clubs.

CLEMSON CLUB

Calling alumni in Florence

The Clemson Alumni Association is looking for leaders in Florence to help start a new Clemson Club. Clubs bring together alumni, IPTAY members, friends and parents to support the University and have fun. To find out more, go to cualumni.clemson.edu or contact Reed Cole at lcoble@clemson.edu.



Ashleigh Palmer, Elizabeth-bleu Donovan and other alumni daughters have a great Clemson time on campus in May.

Daughters' weekend, Tiger tradition

Women's Alumni Council hosted its 11th Annual Bring Your Daughter to Clemson Weekend in May. More than 200 parents and daughters enjoyed a weekend full of exclusive activities and Tiger traditions. Mark you calendar for next year's event, May 15-16. For more information, go to cualumni.clemson.edu/women.

Clemson Corps' memorial takes shape

Clemson's new Scroll of Honor Memorial, overlooking Memorial Stadium, reminds us all of Clemson alumni who gave their lives in service of country.

The Clemson Corps — dedicated to the University's military heritage and current ROTC programs — maintains the Scroll of Honor, which includes names of 469 alumni who were killed from WWI through the current wars in Afghanistan and Iraq.

The Scroll of Honor's new Web site (cualumni.clemson.edu/scrollofhonor) allows family and friends to send comments, photos, awards, etc., for alumni listed on the scroll. You can post material on the Web site or send it through e-mail to scrollofhonor@clemson.edu or by mail to Scroll of Honor Memorial, 404 Shorecrest Dr., Clemson SC 29631.



Update your Clemson calendar!

Check the Alumni Association events calendar for these and more events at cualumni.clemson.edu.

CAFLS tailgate & golf • Clemson's College of Agriculture, Forestry and Life Sciences (CAFLS) kicks off its annual tailgate on September 19 at Fike Recreation Center. Doors open at 8 a.m. before the Clemson vs. Boston College ballgame at noon.

CAFLS Alumni Golf Tournament is Thursday, October 1, at the Walker Course with a shotgun start at 10 a.m. For more information on both events, contact Sennah Honea at schonea@clemson.edu or (864) 656-8998.

Baltimore/D.C. events • Baltimore/D.C. Clemson Club's annual Congressional Reception is September 22. Its Clemson vs. Maryland Tailgate is October 3. For more information, go to www.clemsonclub.org.

Nashville Golf Tournament • The annual Nashville ACC/SEC Golf Tournament, organized by the Nashville Clemson Club, is set for October 12. Go to www.accsec-golf4casa.org for details.

CBBS receptions • The College of Business and Behavioral Science will be holding alumni receptions in Raleigh (November 12) and Florida (December 2, 3, 4). For information, contact Meredith McTigue at mmims@clemson.edu or (864) 656-3177.

Outstanding!

The Alumni Association recognizes outstanding service to and for Clemson throughout the year. Here are the latest honorees.

E-mail us!

Keep us posted with changes in your address, family dynamics and career information online at cualumni.clemson.edu and give us your e-mail address so we can better serve you.

Students' choice

Clemson students have spoken. Their choice for the Alumni Master Teacher for 2009 is Bill Fisk of Clemson's Eugene T. Moore School of Education.

Fisk, who's been with Clemson for two decades, is chair of teacher education and professor of educational foundations. He's taught courses in human growth and development, child development, learning theory, tests and measurements, and educational psychology. Regardless of his subject matter, his students describe his teaching as animated, interesting, insightful and influential.

The Alumni Association recognizes excellence in teaching as part of Clemson's mission. This award is presented for outstanding undergraduate classroom instruction to a faculty member nominated by the student body and selected by the Student Alumni Council.



Honorary Clemson Alumni

The Alumni Association has made it official: These three individuals — who exemplify the passion and spirit typically found among the most dedicated of former students — have earned the title of Honorary Clemson Alumni.

Robbie Templeton of Greenwood, a Super Tiger recipient, has been a tireless supporter of Clemson through IPTAY, his Clemson Club and as a Clemson parent. He's the Greenwood Clemson Club secretary and has also been its president, vice president, treasurer and director. He has assisted with Clemson's Board of Visitors' high school reception in the Greenwood area. His son, Rett, is a junior at Clemson.



Van Jones of Charlotte, N.C., a Golden Tiger recipient, has been a leader in the Charlotte Clemson Club, was instrumental in reviving his club's Young Alumni chapter, and is a longtime IPTAY volunteer. He and his wife, Ashley '94, are Fort Hill Society scholarship donors. He's pictured (left) with Brian O'Rourke, director of development and alumni affairs.



Robert Barkley of Anderson has been



shaping future Clemson alumni several decades. Director of undergraduate admissions, he travels the country promoting the University's vision to prospective students. His work has been instrumental in attracting an annual freshman class that continues to surpass itself in academic achievement and position Clemson as a top-choice institution. His efforts support the value of the Clemson degree that he will now hold as an honorary alumnus.



Researchers' choice

The 2009 Alumni Award for Outstanding Achievement in Research goes to Stephen J. Klaine, professor of biological sciences and interim director of Clemson's Institute of Environmental Toxicology.

Klaine's work focuses on characterizing the effects of human activities on ecosystem health, particularly on aquatic ecosystems. His laboratory examines the effects pesticides, metals, pharmaceuticals and nanomaterials can have on fish and the water they live in. He also develops and researches strategies for land development that reduce the impacts on aquatic ecosystems.

The Alumni Association recognizes research excellence as another part of Clemson's mission. The award is administered by the Office of University Research with a selection committee from each of the academic colleges who are members of the Sigma Xi and/or Phi Kappa Phi honor societies.

Forest of *dreams*



PATRICK WRIGHT

You don't have to know that the Clemson Experimental Forest took root in the bleakest of times and the poorest of land to enjoy its 17,500 acres of beauty.

Clemson has the largest university forest connected to a campus in the nation. But that's only part of the story.

You don't have to be aware of the teaching, research and public service that go on every day in this working forest to experience its gift of shade, wildlife and serenity.

You don't need to know that this forest supports itself financially through timber production to find your way along the cool walking paths and riding trails of Issaqueena.

And you don't need a degree in wildlife management to enjoy the sight of a deer or wild turkey in a woodland, or a hawk soaring overhead.

But if you do know something of the Clemson Forest's history, its educational and research activities, the careful attention to wildlife within its borders, its positive impact throughout the state and beyond, then you begin to appreciate this living example of Clemson's mission — at its best.

From the ashes

During the Great Depression, the view from atop Tillman Hall revealed a bleak landscape of nearly bare hillsides and eroded fields of over-cultivated farmland. The few trees were

mostly stunted from lack of topsoil or decaying from lack of management. Both the land and the economy of South Carolina were exhausted.

By the time Franklin Roosevelt took office as U.S. president in 1933, South Carolina had 19.5 million acres available for cultivation. Of those acres, about 5 million were planted and harvested. Most of the rest was virtually destroyed from depletion or unfit for agriculture.

Much of the nation suffered from similar (though not as severe) conditions. In response, Roosevelt established funds "to buy land, retire it from cultivation and develop it for pasture, forest, range, park, recreation, wildlife refuge and similar uses."



PATRICK WRIGHT

This possibility and a deep love for his native state gave Clemson College graduate (Class of 1919) and faculty member George Aull an idea — Why not get the government to buy up land around the College, and let experts from the College reclaim the land for education, research and surrounding communities' enjoyment?

Thanks to Aull's and other visionaries' efforts — that included several years of proposal writing, revisions and red tape — reclamation of the land finally seemed within reach. Then World War II interrupted. (In fact, some of the land was used as a site for bombing practice!)

After the war, Clemson gained legal guardianship of the land, and by 1955, the forest was in a growth spurt — one that the construction of Hartwell Lake would shape into its current demographics.

Wild and wonderful

Today, the Clemson Forest is home to a grand assortment of native plants and animals, as documented through research by University biologists.

In addition to bears, bobcats, coyotes, deer and other mammals (50 species in all), it's among the southernmost breeding area of wood frogs, the discovery site of five new species of insects and a canopy to 170 bird species.

On weekends, you'll find horseback riders, bikers, joggers and

walkers winding along designated trails breathing in the forest's natural beauty and tranquility.

During the week, you'll see a host of students and researchers at work with interests ranging from forestry to architecture, from biology to military science.

Along with students, researchers and recreational users, you'll find individual farmers and other landowners learning better ways to manage their own land.

At the Clemson Outdoor Lab on a beautiful peninsula along Hartwell Lake, you'll find conference and retreat goers or campers attending Jaycee Camp Hope, Camp Sertoma, Camp Lions Den and other camps, many for children with special needs.

Behind the scenes, S.C. Department of Natural Resources biologists and technicians are busy assessing and supporting wildlife, and making sure the forest is free of hunting except in limited areas and at designated times.

All the while, experts are harvesting timber and replanting trees to help the forest support itself — including more than 100 miles of road maintenance. And people you don't see are seeking funding from state and federal sources, competitive and special grants, foundations and industries, and private donors.

Still, you don't have to know how this once barren chunk of land entrusted to Clemson stewardship more than 70 years ago has led to this extraordinary natural habitat.



PATRICK WRIGHT

But a bit of background just might make your walk along one of the trails a little more meaningful or the cool mist on your face from a nearby waterfall even more refreshing.

To learn more about the forest, go to www.clemson.edu/cef or contact forest manager Knight Cox at kcox@clemson.edu, (864) 656-4833; or professor emeritus Ben Sill at sbenjam@clemson.edu, (864) 506-1920.

You may also want to purchase the coffee-table book *Quiet Reflections, The Clemson University Forest* featuring photos by nationally recognized conservationist and photographer Tommy Wyche. For more information, call (888) 772-2665 or go to www.clemson.edu/psapublishing.



Building blocks

Guests at the Major Donors Breakfast in June were put to work building the new Lee Hall. Each guest received a piece of an image of the structure and was challenged to work with others at the table to put the pieces together to create the total picture.

President Jim Barker used the exercise to emphasize the importance of renovating and expanding the real Lee Hall: **"We need your help to get this project done. The picture won't be complete without your piece of the puzzle."** The Major Donors Breakfast is held annually on the Sunday morning of Alumni Reunion Weekend.

Major donors are essential to the overall Clemson experience. Their support expands scholarship opportunities for students, helps develop and retain excellent faculty, and improves learning environments. For more on becoming a major donor, go to www.clemson.edu/giving/donors.

Investing in women's leadership

Clemson graduate Cheri Dunmore Phyfer '93, M '99 of Dallas, Texas, an executive for Sherwin-Williams, has given \$25,000 to support the Women's Leadership Initiative in Clemson's Division of Student Affairs. Sherwin-Williams is matching her gift with a \$25,000 contribution, meaning a total of \$50,000 will be given over a five-year period.

The money will be used to support existing and new women's leadership initiatives, including the Food for Thought luncheon series and the annual Women's Leadership Conference. The program brings to campus keynote speakers, workshops and monthly gatherings to enhance confidence, ethical decision-making and civic engagement in female students.

Phyfer is the president and general manager of the Southwestern Division of Sherwin-Williams, a region that includes 800 stores.



Students, professionals and others learn the latest in building leadership skills in young women as they enter the work force.



Students meet with Chinese Embassy diplomats in D.C.

Gift for China Studies

An anonymous donor has given \$10,000 to the Clemson University Center for China Studies to support its mission and programs.

"This gift will assist the College of Business and Behavioral Science in maintaining an international focus at a time when having an international presence is crucial but funding is limited," says Claude Lilly, dean of the college.

The Center for China Studies promotes a better understanding of the U.S.-China relationship, China's economic development and its impact on the world. It also assists in arranging scholarships and study-abroad programs for Clemson students with top Chinese universities.

Oxford bound

2009 Duckenfield Scholar Adrienne Rankin of Johnsonville gets a send-off from her family and the Duckenfield family before leaving for St. Peters College, Oxford University.

The scholarship, in memory of longtime Clemson administrator Chris Duckenfield, supports an honors student's summer study in England each year.

Rankin is the fifth student to advance her studies and world travel experience thanks to private donors' endowment for the scholarship.



Scholar Adrienne Rankin (right) with Marty Duckenfield

Orange 'blood brothers'

After years of study, service, athletics and other activities on the Clemson campus, saying goodbye after graduation can be difficult. This was the case with Steve "Hutchy" Hutchinson '68 and roommate, fraternity brother and friend Jimmy Addison '68, whom he calls, even some 40-plus years later, a "blood brother."

"The day that we graduated, I was heading to Summerville, Jimmy to Alabama, and we just hugged one another and cried," he recalls. **"Clemson represented four of the best years of my life. The people I got to know, like Jimmy, have been extremely influential to me. My life wouldn't have been the same if I hadn't gone to Clemson."**

Clemson legend Frank Jervey first introduced Hutchinson to campus. But, upon enrolling, he wasn't too crazy about college life. "All your hair got cut off, you had to wear a little orange cap, and no girls would date you being bald!"

But, soon, he discovered the Delta Kappa Alpha fraternity, which completely reversed his prior opinion. "The fraternity was always very supportive, and it's where I bonded with some of the best friends I've had," he says, "Jimmy Bell, Jimmy Addison, Frank Cox, Randy Mahaffey, Harry Frampton, Jim Sutherland, John Welborn. ..."

Through the fraternity, Hutchinson made friends with a young pledge named Jim Barker. "I was the pledge master of Clemson University's president!" says Hutchinson. "To have been there and known Jim all these years is unique and has encouraged me to do something to support Clemson."

Prompted by his long-term friendship with college roommate and best friend, Jimmy Addison, and the desire to help students achieve their aspirations despite economic situations, Hutchinson established the James W. "Jimmy" Addison '68 Scholarship Endowment to provide scholarships for College of Business and Behavioral Science students who demonstrate financial need.



Brenda Patton and Steve Hutchinson with Jimmy and Dinny Addison

Hutchinson endowed the scholarship fund with a \$25,000 initial investment because he understands how critical scholarship dollars are for today's students. To be sure this endowment could touch as many students' lives as possible, he set up a charitable remainder unitrust in which he named the Clemson University Foundation as one of three beneficiaries of his estate.

"My parents taught me about giving back at an early age," says Hutchinson. **"Whether it was to church or school or other small organizations, I was raised to be involved, to invest in the future."**

Thinking back to his college days, Hutchinson gets a little choked up. "I feel very emotional about Clemson. The ties that I made, the connections with people, it is just all so special," he says. "And there is no question about the inner reward you get for giving back. ... It's a great sense of self-satisfaction."

For more information about supporting the University through planned giving, please contact JoVanna King, senior director of gift and estate planning, Clemson University, PO Box 1889, Clemson, SC 29633-1889 or call (864) 656-0663 or 1-800-699-9153 or e-mail jovanna@clemson.edu.

Back-to-school time often reminds me of when I was a homesick freshman at Clemson back in the fall of 1976.

I grew up in Maryland and hadn't heard much of Clemson until I was a high school junior. My math teacher, Carole Wilson Oakley ['71, M '73], told me if I was serious about college I should apply there.

I did, along with several other schools that were much closer. Clemson won out because it offered the best deal and a new experience in a different part of the country.

As far as the University was away from home, I found a friend in the president's office — Mrs. Elsie Wilson, Carole's mom and the longtime secretary to several Clemson presidents.

But when that first Thanksgiving away from home came around, I was one homesick freshman.

Maybe it was the holiday or just the first few months as a college freshman that caught up with me, but I was pretty miserable.

Then came a Thanksgiving dinner invitation from Mrs. Elsie. She put out a Southern-style feast, and she and her husband, Betts ['41], welcomed me as one of their family. They talked to me about Clemson and living in the South and made me feel so much better.

When Mrs. Elsie opened the door to her office and to the Wilson home, she opened the door to my true Clemson experience. She continued to treat me like a family member throughout my days at Clemson. She's one reason I stayed.

I went on to earn my undergraduate ['79] and graduate ['82] degrees and marry my high school sweetheart, Cindy ['80]. Cindy came to Clemson a year after I did. After graduation, we moved to Greenville where we started our careers and family. In 1990, we moved to Nashville, Tenn., where we met more fellow Tigers. We became involved with the Nashville Area Clemson Club and have helped make it one of the most active in the country. Now, I've just begun a three-year term on the Clemson Alumni Association Board of Directors.

Our eldest son, Chris, and his wife, Megan, each earned undergraduate and graduate degrees at Clemson. And we've recently established a Clemson bequest for a scholarship endowment in our family's name.

An act of kindness not only made an impact on me, and then my family, but it has ultimately resulted in our being able to give back to the University. I, like many other Clemson students, am forever indebted to Mrs. Elsie and her generous family.

I'm Evan Vutsinas and this is "My Clemson."



Mrs. Elsie Wilson with her presidents, from left, Walter Cox, Phil Prince, R.C. Edwards, Jim Barker and Max Lennon

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*-Dabo Swinney, RESERVE MEMBER AND
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