

Research Report

| Engineers w/o Borders

| Emerging Scholars

| Clemson Medallion

CLEMSON

WORLD
MAGAZINE

WINTER 2009

A man with glasses and a dark long-sleeved shirt is crouching next to a red shipping container. He is holding a small, grey electronic device in his hands, looking down at it intently. The background shows the side of a white shipping container and the red one he is next to. The text "CSI of WMDs" is overlaid on the bottom left of the image.

CSI of
WMDs

Contents

Winter 2009 Volume 62, Number 1



FEATURES

- 14** **CSI of WMDs**
Meet two Clemson alumni who are literally making the world safer from weapons of mass destruction.
- 17** **Education without borders**
Discover Clemson's new generation of global thinkers.
- 20** **Emerging Scholars**
A Clemson program for high school students is changing attitudes and economics.
- 24** **Clemson Medallion**
You'll recognize these two men, but you may not know just how much they mean to Clemson.



DEPARTMENTS

- President's View** 2
- Upfront** 4
- Clemson Family**
Classmates 26
- Lifelong Connections 40
- Landmarks & Legends — 45
A Clemson giant:
R.C. Edwards
- Giving Back 46
- My Clemson — 48
Black Hawk pilot Franklin
Wallace

EXTRAS ON THE WEB

Catch Clemson podcasts at www.clemson.edu/itunesu.

See what's happening around campus at www.clemson.edu/webcams.

Find Clemson's latest videos at www.youtube.com/clemsonuniversity.



Cover photo: Tim Hasty '83 of the International Nonproliferation Export Control Program — Photography by Patrick Wright

www.clemson.edu/clemsonworld

Bold steps, tough decisions

*Clemson
has a
focused
plan for the
next five
years and
the resolve
to be
successful.*

The service on December 8 to celebrate the life of President R.C. Edwards was a fitting send-off for a great man. It began and ended with reverence and great dignity, but in between there was laughter, tears, cheers, fist pumps and Tiger Band playing "Tiger Rag."

I was honored to be asked by his family to speak, and I'd like to share a part of what I said that day:

- *If you seek a history of Clemson University, here is the summary. In the 19th century, there was Thomas Green Clemson. In the 20th century, there was Robert Cook Edwards.*
- *As a student, he was my president. As a dean, he was my inspiration. And as president, he was my mentor and role model.*
- *He saw Clemson whole, not in parts. Athletics and academics were not separate; they were simply "Clemson."*
- *He told me once that he would rather serve as president of Clemson University than serve as president of the United States. He believed the former was more significant than the latter.*
- *His most important legacy is not what you see on campus. It is in what you feel ... the energy, the spirit, the unity, the can-do attitude.*

At the end of his service, we stood in Tillman Auditorium and sang *Dear old Clemson, we will triumph* with a lump in our throats.

Outside, on Military Heritage Plaza, after a 21-gun salute and a lone bugler blowing taps, we chanted C-L-E-M-S-O-N in cadence count: *fight Tigers, fight Tigers, fight, fight, fight.*

That fighting spirit was with Dr. Edwards throughout his presidency and to the end of his long and good life at the age of 94.

He fought to preserve and strengthen Clemson University. He prevailed against the federal government when flood waters from the proposed Hartwell Dam design threatened the campus. He led us with a sure hand through the changes brought about by coeducation, desegregation and growth.

Yet through it all, he helped preserve the essence, the spirit, the DNA of what makes Clemson great by putting people — especially our students — first.

Today, Clemson finds itself once again at a crossroads.

Last fall, the Board of Trustees endorsed a new five-year plan aimed at achieving our vision of being one of the nation's top-20 public universities. **However, we are also dealing this year with unprecedented state budget cuts that have left our educational and general (E&G) funding per student, when adjusted for inflation, at 40 percent less than it was in 1973 — in the R.C. Edwards era.**

We expect this trend to continue. State funding now represents less than 20 percent of our total budget, and Clemson's relationship to the state is changing in fundamental ways.



President Barker and Provost Dori Helms celebrate with new Clemson graduates.

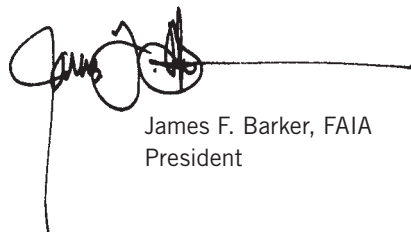
We are responding to the current financial crisis by freezing nonessential hiring and travel, eliminating vacant and temporary positions, delaying or deferring construction projects, and imposing a mandatory furlough for all faculty and staff. Other steps may be needed. These were all difficult decisions, but they were necessary to protect core academic programs and minimize the impact on students.

Now, the real work has begun. **By June 30, 2009, we must replace all of the one-time funds used to balance this year's budget with permanent dollars. We can either nibble away at everything or take bold steps and make the tough decisions that will position Clemson to thrive in this new economic reality.**

We choose to do the latter.

Clemson has a focused plan for the next five years and the resolve to be successful. We also have a track record of seizing the opportunity that exists within every challenge. If there is a greater example of turning adversity to advantage than Hartwell Lake, I do not know it.

Clemson is determined to maintain the momentum we have built to become one of the nation's top public universities. Because we are heirs to R.C. Edwards' spirit, energy and can-do attitude. Because we are Tigers, and that's what we do. We fight.



James F. Barker, FAIA
President



CLEMSONWORLDMAGAZINE

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
News Services
Publications and Promotion

Photographers
Patrick Wright
Craig Mahaffey

University Officials
President
James F. Barker

Board of Trustees
Leon J. Hendrix Jr., chairman;
Joseph D. Swann, vice chairman;
Bill L. Amick,
John J. Britton,
Louis B. Lynn,
Patricia Herring McAbee,
John N. McCarter Jr.,
Leslie G. McCraw,
E. Smyth McKissick III,
Thomas B. McTeer Jr.,
Robert L. Peeler,
William C. Smith Jr.,
David H. Wilkins

© 2009 Clemson University

Clemson World is published quarterly for alumni and friends of Clemson University by the Division of Advancement. Editorial offices are in the Department of Publications and Promotion, Clemson University, 114 Daniel Dr., Clemson, SC 29631-1520 (FAX: 864-656-5004). Copyright© Publications and Promotion, Clemson University. Story ideas and letters are welcome, but publisher assumes no responsibility for return of unsolicited manuscripts or art. Send address changes to Records, Clemson University Foundation, 155 Tiger Park, Ste. 105, Clemson, SC 29633 (FAX: 864-656-1692), or call 1-800-313-6517.

CLEMSON WORLD
Corporate Sponsors

ARAMARK
The Clemson Corps
Coca-Cola Company
Keowee Mountain
Solid Green

Donors, state invest \$8 million to fund advanced-fiber Center of Economic Excellence

GENEROUS PRIVATE GIFTS AND A STATE MATCH HAVE RAISED A TOTAL OF \$8 million to establish the Advanced Fiber-based Materials Center of Economic Excellence at Clemson.

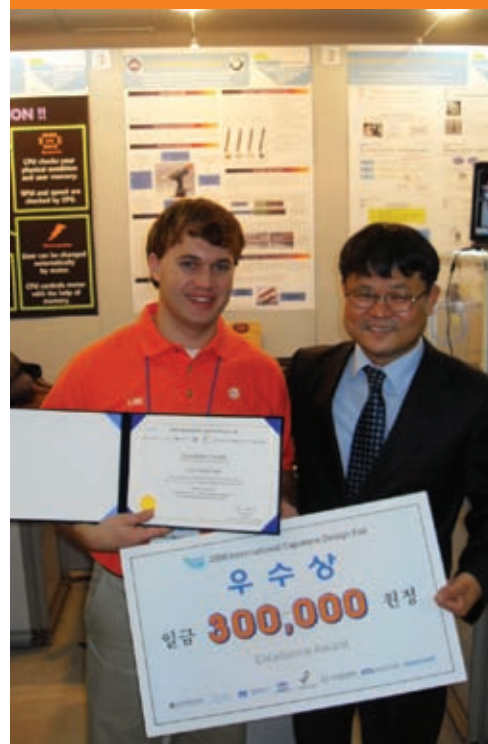
Researchers will work to develop advanced synthetic polymers and to enhance natural fibrous materials, including wool, cotton and silk. Other studies will focus on fiber-reinforced composite materials based on metals, ceramics and polymers for high-performance — yet lightweight — applications in automotive, space, athletic equipment and medical prosthetic markets.



The Center of Economic Excellence connects scholars and entrepreneurs with shared interests and expertise in polymer-based advanced fibrous materials. It will work in partnership with Clemson's Center for Advanced Engineering Fibers and Films and will be home to the J.E. Sirrine Textile Foundation Endowed Chair in Advanced Fiber-based Materials.

Donors include the J.E. Sirrine Textile Foundation: \$2.9 million (announced in 2005); KENTWOOL: \$500,000; Brian and Amanda Morin: \$250,000; and other generous corporations and individuals. The S.C. Centers of Economic Excellence Program (www.sccoe.org) is funded through S.C. Education Lottery proceeds. For more information, contact materials science and engineering professor Mike Ellison at ellisom@clemson.edu.

International capstone design winners



CLEMSON UNDERGRADUATE mechanical engineering student Luke Berglind traveled to Seoul, South Korea, to represent his team in a capstone design fair competition. He brought home a medal and international accolades.

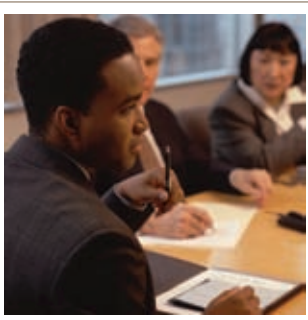
His team's screw-feeding system project, sponsored by BMW, earned third place and was recognized as the best applicable project at the fair to have immediate impact in industry.

Team members include Luke Berglind (pictured with Jang Dong, the director of Seoul Technopolis), Christopher Martin, Nick Pillman and Ross Vickers, and faculty advisers Joshua D. Summers and Todd Schweisinger.

BB&T gift to expand capitalism institute

CLEMSON WILL USE A \$3.5 MILLION GIFT FROM BB&T CORP. TO EXPAND ITS University-based research and teaching center dedicated to exploring the moral foundations of capitalism.

The Clemson Institute for the Study of Capitalism in the College of Business and Behavioral Science was established in 2005 with \$1.4 million from the BB&T Charitable Foundation.



With this additional gift, to be paid over 10 years, the institute will expand academic and professional offerings for students, faculty and the general public on the moral, political and economic foundations of a free society.

Clemson students will interact with students and faculty in a consortium of universities. For more on the institute, go to business.clemson.edu/BBTCENTER/cci.



Nobel Laureate Charles H. Townes

Clemson honors Nobel Laureate Townes

CLEMSON CELEBRATED ITS LONGTIME CONNECTION WITH

Nobel Prize-winner Charles H. Townes by naming its state-of-the-art optical science laboratories in his honor. **Townes, a native of Greenville, is most well known for his research that led to the development of the laser, for which he received the Nobel Prize for Physics in 1964.** Clemson honored him with an honorary degree in 1963.

The Charles H. Townes Laboratories for Optical Science and Engineering is located at the Advanced Materials Research Laboratory in the University's Advanced Materials Center.

The dedication follows the 2005 creation of the Townes Fellows program, a joint effort by Clemson and Furman universities to bring Furman undergraduates to Clemson to conduct optics research with the COMSET (Center for Optical Materials Science and Engineering Technologies) program.

Nikon helps start new microscopy facility

NIKON INSTRUMENTS INC. HAS PROVIDED AN IN-KIND DONATION OF

\$620,000 in microscopy equipment to help the College of Agriculture, Forestry and Life Sciences' biological sciences department start a new core microscopy facility.

The facility will be the first of its kind in the Southeast, equipped with one of the most technologically advanced systems Nikon Instruments Inc. has installed anywhere in the United States.

"The donation by Nikon dramatically expands microscopy capability and enhances the development of new imaging techniques on campus," says Hap Wheeler, department chairman. "With this donation, combined with another partnership in the University's electron microscope facility, **Clemson is positioned to be a leader in advanced-imaging analysis.**"



Clemson scores BIG in student engagement

According to a national survey, Clemson students say they receive an education in a challenging intellectual environment that includes opportunities to work closely with instructors and other students inside and outside the classroom.

Dancing for 'Safe Kids'

CLEMSON UNIVERSITY DANCE MARATHON RECEIVED THE Student Organization of the Year for Exceptional Community award for its work for Safe Kids Upstate, part of the Children's Miracle Network and the Greenville Hospital System.

During the 2008 marathon, 175 "dancers" participated in games, listened to stories from the children, danced and created gifts for the children in the Greenville Hospital System. They raised \$25,179 for Safe Kids Upstate.

The 2009 Dance Marathon is set for Feb. 27-28, 2009. For more information, go to cudancemarathon.googlepages.com or contact marathon director Amy Boggs at aboggs@clemson.edu.



More durable heart valves

THE NATIONAL INSTITUTES OF HEALTH HAS AWARDED BIOENGINEERING PROFESSOR NAREN Vyavahare more than \$1.5 million over four years to develop durable bioprosthetic heart valves (BHV).

Aortic valves taken from pigs are used in thousands of human heart valve replacement surgeries annually, but they have a high rate of failure because of degeneration and calcification. **Vyavahare's goal is to extend their biological durability beyond 20 years. This would allow surgeons to implant the valves in the younger patient population as well.**

Vyavahare, Clemson's Hunter Endowed Chair, and his colleagues have studied the problem of calcification in arteries and heart valves for nine years. **Their long-term fatigue damage study funded by NIH is unique in the BHV field.** The Clemson group has collaborations with the University of Pittsburgh and the University of Minnesota.

City of architects



FOURTH-YEAR ARCHITECTURE DESIGN STUDENTS VISIT UNITY Temple, designed by Frank Lloyd Wright, in Oak Park, Ill.

Each fall, students see historic and contemporary works of architecture and investigate sites in Chicago for studio projects. **Class of '76 architecture alumni help make the trip possible for some of the students.** Professors Annemarie Jacques, Harry Harritos and Jane Hurt led the 2008 field trip.

Clemson MBA students among 'most competitive' in U.S.

Students in the MBA (master of business administration) program at Clemson are among the most competitive in the United States, according to *Princeton Review's* "The Best 296 Business Schools."



Upping efficiency, downing power use

SCIENTISTS AT CLEMSON FOR THE first time have been able to make a practical optical fiber with a silicon core, according to a new paper published in the current issue of the Optical Society's *Optics Express*.

This advance ultimately should help increase efficiency and decrease power consumption in computers and other systems that integrate photonic and electronic devices.

Led by professor John Ballato and including fiber pioneer Roger Stolen, the team of scientists was able to create this new fiber by employing the same commercial methods that are used to develop all-glass fibers, making silicon fibers viable alternatives to glass fibers for selected specialty applications.

FeelGood to fight hunger



CLEMSON STUDENTS are making grilled cheese sandwiches to help fight global hunger. The group — FeelGood

— sells sandwiches during lunchtime on Wednesdays to raise money for the Hunger Project.

Last year, the group raised \$4,000 from sandwich sales alone. Now in its second year, the grilled cheese sandwiches are even more popular. Bloom grocery store donates the bread, and ARAMARK provides the cheese so that all proceeds go straight to the Hunger Project. Customers, who pay what they wish, have donated up to \$45 for a single sandwich.

Out of all FeelGood chapters around the country, Clemson's ranked third in fundraising last year and was recognized as the fastest growing chapter in the nation. For more information, email feelgd@clemson.edu or go to feelgoodworld.org.

Better cancer cell detection

CLEMSON CHEMISTRY

professor Ya-Ping Sun has earned a \$205,000 grant from Susan G. Komen for the Cure to work on imaging agents that could better detect cancer cells. He was awarded \$25,000 from Komen's Upstate South Carolina Affiliate and \$180,000 from Komen Headquarters.

The new method allows for a combination of light and MRI (magnetic resonance imaging) that may help researchers look at different parts of cells and tissues.

The funding will play a major role in further developing Clemson technologies on fluorescent carbon nanomaterials, dubbed "carbon dots," by implanting magnetic elements into the dots. **This will serve as a contrast agent for both light- and magnetic-imaging techniques for the early detection and diagnostics of breast cancers and beyond.** Li Cao, a research scientist in Sun's research group, will carry out the research project.



Reducing oil use

TO REDUCE THE SOUTHEAST'S DEPENDENCE ON OIL, THE UNIVERSITY WILL LEAD A \$1.2 million bioethanol research project to find the best way to produce plant-based fuels in the region.

The U.S. Department of Energy awarded the grant to Clemson, which will collaborate with DOE's Savannah River National Laboratory in Aiken. The purpose of the grant is to assess the potential of switchgrass and sweet sorghum as "feedstocks" — plants used as fuel — that can be processed into ethanol.

The grant also will fund development of a small-scale biofuel processing plant at Clemson's Restoration Institute in North Charleston.

Better medical diagnostic tools

THE NATIONAL SCIENCE FOUNDATION HAS AWARDED TWO Clemson professors, Konstantin Kornev and Igor Luzinov, a grant of \$250,000 to research and develop nanofiber-based probes for medical diagnostics.

The probes — needles that are 10 times smaller in diameter than a human hair — may save both money and time compared to more traditional methods of sampling biological fluids. One potential application is the ability to draw tiny samples of saliva from the glands of chemotherapy patients who often experience

painful dry mouth as a side effect of their treatment. Another is extracting sweat from individual human pores.

The research is part of an ongoing project to



develop fiber-based medical devices in Clemson's School of Materials Science and Engineering and the Center for Advanced Engineering Fibers and Films.

'Coffee and Tea' in any language

CLEMSON'S International Coffee and Tea Hours, held each month in the Atrium of the Hendrix Student Center, bring together students, faculty, staff and community members.

For more on programs and services through the Gantt Intercultural Center, go to www.clemson.edu/gic.



Hydrogen research for future energy

THE U.S. DEPARTMENT OF ENERGY (DOE) has awarded Clemson researchers, in collaboration with DOE's Savannah River National Laboratory, \$409,000 to develop a new polymer membrane that may enable the production of hydrogen using high-temperature heat, such as that from a nuclear reactor.

Because hydrogen could be a major source of energy in the future, DOE is exploring infrastructure for that possibility. Advanced materials like polymers will help enable this and other membrane technology in fuel cells, water purification and simple batteries.

Clemson chemist Dennis Smith will lead the program to develop a new fluoropolymer material that can withstand the harsh conditions in the electrolyzer, which is used to react sulfur dioxide and water to produce hydrogen and sulfuric acid. Membranes will be supplied to Savannah River National Laboratory scientist David Hobbs and his group for evaluation.



Design-Build wins first



CLEMSON'S DESIGN-BUILD STUDENTS WON FIRST PLACE AT the 2008 Associated Schools of Construction/Associated General Contractors of America Region II Design-Build Student Competition.

They outscored teams from Auburn University, Georgia Southern University, Southern Polytechnic State University, University of Florida, UNC-Charlotte, University of North Florida, Virginia Tech and Western Carolina University.

The Clemson team will compete for the national title at San Diego, Calif., in March. Team members, architecture and construction science and management majors, are, front row from left: Justin Frank, faculty adviser and coach Shima Clarke, Heather Nelson and Lee Smalley. Back row: Joe Scarborough, Taylor Bredow and Chris Monroe.

Keeping students with disabilities in school

THANKS TO ANOTHER \$3.5 MILLION grant from the U.S. Department of Education's Office of Special Education Programs, the National Dropout Prevention Center for Students with Disabilities (NDPC-SD) at Clemson will continue the work it began five years ago under an earlier grant.

NDPC-SD provides states and local education agencies with technical assistance to build their capacity for keeping students with disabilities in school and helping them graduate.

A major focus of the center's work involves helping states utilize their school and student data to pinpoint school-completion needs and then identify appropriate evidence-based practices that will address those needs.

Under this five-year grant, the center will also address dropout recovery and re-entry programs, which help get students who have dropped out back into a program that will grant them a diploma or alternate credential, or into vocational training. For additional information about the center, go to www.ndpc-sd.org.



Clemson geoscientists tackle water project in India

CLEMSON RESEARCHERS WILL LEAD THE WAY FOR GEOSCIENTISTS

Without Borders program in India, addressing the severe water crisis in rural areas.

Geoscientists Without Borders is a new program offered by the Society of Exploration Geophysicists Foundation made possible through initial support by Schlumberger. **Clemson was selected as an inaugural recipient of a grant through a competitive proposal review process that was open to global competition.**

Clemson and the Foundation for Ecological Security, a nonprofit organization in India, will use electromagnetic induction tools, similar to the kind of technology used in metal detectors, to map soil moisture and shallow aquifers in the Salri watershed in the state of Madhya Pradesh.

Clemson geoscientist Stephen Moysey expects to go to the area in the spring with environmental engineering and science graduate student Dan Matz, who then will spend six months working with villagers and Foundation for Ecological Security staff in the watershed.

'Wall That Heals'

AMID THE ORANGE

and purple displays that adorned Bowman Field for Clemson Homecoming was a much more somber display — "The Wall That Heals," a half-scale replica of the Vietnam Veterans War Memorial. The University with Pendleton American Legion Post 113 and veterans from Anderson and Oconee counties sponsored the event that brought the mobile memorial to Bowman Field.



Cadet Patrick Gohl,
Air Force ROTC

ACC Volleyball Player of the Year

SOCIOLOGY SENIOR DANIELLE HEPBURN OF MIAMI, FLA., HAS had an amazing career at Clemson including her latest honor — 2008 ACC Volleyball Player of the Year.

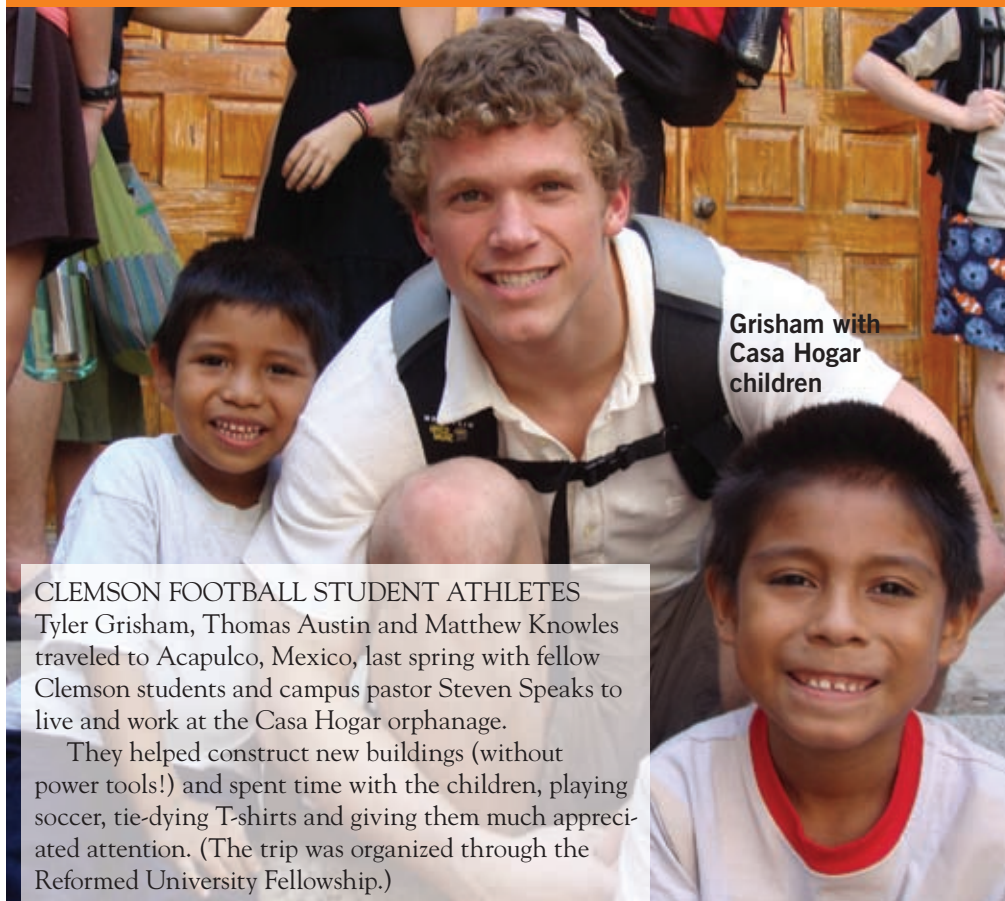
She's scored three All-ACC selections, three AVCA Honorable Mention All-America designations and a wealth of school and conference records.

Clemson's competitive atmosphere, volleyball's head coach Jolene Jordan Hoover and IPTAY's scholarship brought Hepburn to the University.

The bulk of scholarships for Clemson student athletes comes from donors to IPTAY, the University's athletic fundraising organization. To learn more about supporting scholarships for Clemson competitors like Hepburn, go to clemson.tigers.com/iptay or call (864) 656-2115.



Tigers in Mexico



Grisham with Casa Hogar children

CLEMSON FOOTBALL STUDENT ATHLETES Tyler Grisham, Thomas Austin and Matthew Knowles traveled to Acapulco, Mexico, last spring with fellow Clemson students and campus pastor Steven Speaks to live and work at the Casa Hogar orphanage.

They helped construct new buildings (without power tools!) and spent time with the children, playing soccer, tie-dying T-shirts and giving them much appreciated attention. (The trip was organized through the Reformed University Fellowship.)

Clemson and CU-ICAR earn diversity award

The Minority Economic Development Institute Inc. presented the University and the Clemson University International Center for Automotive Research with the Corporate Suppliers Minority Business Award for leadership in employment of minority- and women-owned businesses during the first phase of construction of CU-ICAR.

Great summer odyssey for kids

IT'S TIME TO THINK ABOUT CAMP —

Camp Odyssey at the University's Outdoor Lab — a one-week residential camp for children between the ages of 6 and 12.

This year's camp will be July 12-18 with activities including hiking, fishing, canoeing, swimming, arts and crafts, outdoor games, archery, overnight camping trips and so much more!

Cost of the program is \$480 per child with a discount to additional children from the same family. Space is limited so sign up early. Call (864) 646-7502, email cuolcamps-L@clemson.edu or visit the Web at www.clemson.edu/outdoorlab/ody.htm.



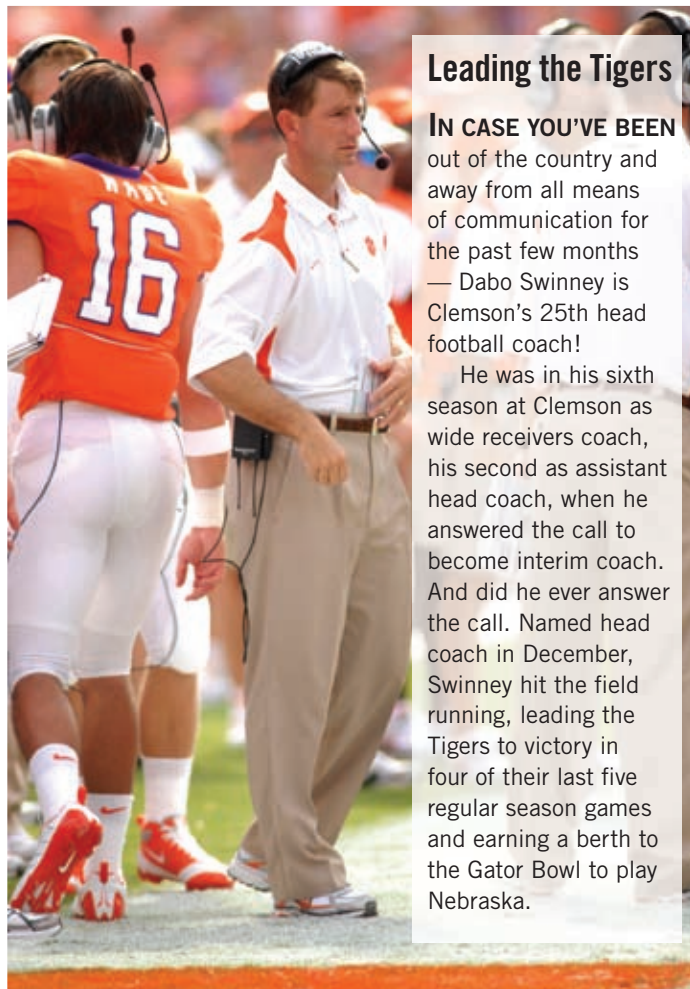
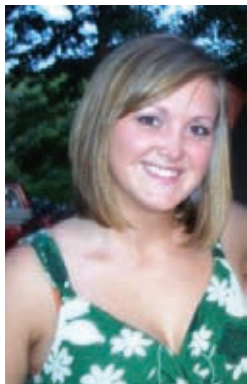
American Cancer Society champion scholar

CLEMSON SENIOR

Kristin Bridgmon, business management major with a minor in nonprofit leadership, was named the Champion Scholarship recipient at the American Cancer Society South Atlantic Division's 2008 Division Wide Youth Summit.

The scholarship program helps provide cancer survivors with the opportunity to reach their academic and career goals by earning college degrees. Bridgmon, a nine-year survivor, volunteers with the American Cancer Society in many different areas.

She participates in Relay for Life of Barnwell County and is a committee member for the University's Relay for Life team, planning committee member of the National Collegiate Leadership Conference, South Atlantic lead team member for Colleges Against Cancer and co-chairwoman of the South Atlantic Division Collegiate Leadership Summit.



Leading the Tigers

IN CASE YOU'VE BEEN out of the country and away from all means of communication for the past few months — Dabo Swinney is Clemson's 25th head football coach!

He was in his sixth season at Clemson as wide receivers coach, his second as assistant head coach, when he answered the call to become interim coach. And did he ever answer the call. Named head coach in December, Swinney hit the field running, leading the Tigers to victory in four of their last five regular season games and earning a berth to the Gator Bowl to play Nebraska.

MISTER reaches FL

Florida elementary schools are getting a significant boost to teacher recruitment efforts with a legislative endorsement that puts more African American men at the head of the classroom. It's modeled after Call Me MISTER®, a program based at Clemson, with an original goal of doubling the number of African American male teachers in S.C. elementary schools.

Vamos a bailar!

LATIN FEST highlights Clemson's celebration of the culture and heritage of students, faculty and staff of Spanish, Mexican, Central American, South American and Caribbean descent. It's sponsored by the Gantt Intercultural Center, Student Government Council on Diversity Affairs and the Hispanic Student Association.



For more on international heritage celebrations, go to www.clemson.edu/gic.

Students empower tailgaters



STUDENTS FROM THE UNIVERSITY'S EMpower Clemson program and Georgia Tech's GT SMART, in collaboration with the city of Clemson, promoted tailgating safety during EMpower Blitz Weekend in October.

EMpower promotes safe and healthy choices throughout the year. Its student volunteers (with guidance of Student Affairs professionals) educate peers about campus safety and alcohol. It hosts alternative events such as football tailgates, intra-mural tournaments, midnight breakfasts and other alcohol- and drug-free entertainment.

For more about EMpower Clemson, go to www.clemson.edu/empower or call (864) 656-0470.

Adviser to the U.S. president

The U.S. Senate has confirmed the appointment of Esin Gulari, dean of the College of Engineering and Science, to serve on the National Science Board, the highest science board in the country. The National Science Board is an independent body of advisers to both the president and Congress on broad national policy issues related to science and engineering research and education.

TAPS, best college yearbook in the nation

Clemson's *TAPS* yearbook was named the most outstanding college yearbook in the country for the fourth year in a row. *TAPS* has been a Clemson tradition for 100 years!



Getting out the vote

CLEMSON'S MULTICULTURAL PROGRAMS and Services and the Pi Alpha Chapter of Alpha Phi Alpha Fraternity Inc. sponsored a voter registration celebration in honor of students' making a difference through voting.

The Voter Registration Celebration, held in October, was an opportunity to appreciate all of the students who had registered to vote in preparation for the upcoming presidential election. Students enjoyed free food from the grill and free bowling.

CSI *of* WMDs

by Liz Newall

Photography by Patrick Wright



Pam McKinsey

Meet two Clemson alumni who are literally making the world safer from weapons of mass destruction.

While most of us eat and sleep and go about our daily business, a team of elite specialists is making sure that deadly materials aren't reaching our shores.

In a way, they're the CSI of WMDs — experts who help prevent potential weapons of mass destruction (WMDs) from getting into the wrong hands. They're highly trained scientists and engineers who think like detectives, outwit would-be terrorists, and teach their carefully honed skills to their counterparts in other countries.



Pamela Craven McKinsey '79, M '81 and Tim Hasty '83 are part of this special force. They operate out of the Savannah River National Laboratory at the Savannah River Site in Aiken, S.C. But the world is their "office."

Clemson for starters

McKinsey's petite, youthful appearance doesn't reveal her nearly two decades as an environmental biotechnologist. In fact, she's as comfortable talking about Polish pottery and Bulgarian lace as she is about strategic trade control, biodetection and WMDs.

Tim Hasty doesn't fit the stereotype of "rocket scientist" either. His casual style and 6-foot-3-inch frame seem better suited for beach volleyball than inspection of Russian nuclear facilities. And he's just as eager to talk about his church's work in Romania as he is about his role there in WMD nonproliferation.

Both will tell you their experience at Clemson — academic foundation and people skills — has helped them succeed in what they're doing today.

McKinsey, who was born into a Clemson family and married a Clemson graduate, describes her microbiology major as both broad and detailed, with added value from her lab experience. She also credits her professors for being mentors as well as teachers. Her own "labs" have included a Veterans Administration Research Hospital, several universities and the Savannah River Site, where she's spent 16 years in environmental biotechnology.

Hasty, who's a Clemson parent, says that the preparation in his major — chemical engineering — and his professors' insistence on not being afraid to ask questions have served him well in his career path. He spent 20 years in nuclear materials production and storage before entering the nonproliferation arena.

Mission difficult

McKinsey and Hasty work with the International Nonproliferation Export Control Program (INECP) — a part of the U.S. Department of Energy's National Nuclear Security Administration.

INECP's mission is to strengthen global efforts to prevent the proliferation of weapons of mass destruction materials, equipment and technology.

The program selects partner countries based on the level of risk that they represent as potential suppliers and transshippers of WMD-related assets and their openness to assistance.



INECP personnel work with specialists in these countries to identify and address gaps in their national systems of export control for managing WMD strategic goods. (For more on INECP, see p. 16.)

McKinsey and Hasty serve as subject matter experts and as technical leads for INECP work in Eastern Europe.

Vaccine or weapon?

McKinsey's expertise is in preventing the proliferation of biological weapons.

As a microbiologist at the DOE's Savannah River National Laboratory, her research has involved, among other things, developing and deploying biodetection technologies for potential WMD bioagents. Much of her current work centers on strategic trade control of commodities used for WMD.

Trade control is especially tricky with dual-use equipment and materials.

For example, McKinsey says, "The same equipment used to create life-saving vaccines can be used to produce a deadly biological weapon." Part of her job is to help partner countries recognize such potential threats through the identification of strategic equipment and materials.

Her work has taken her to Romania, Bulgaria, Macedonia, Poland, the Netherlands, Belgium, Israel, France, Cyprus, Australia, Singapore, Hong Kong and Argentina.

In our own country, she works with U.S. Customs and Border Protection, federal law enforcement agencies and the U.S. military to create and teach chemical and biological weapons of mass effect training.

"This work has taken me to many areas and ports in our country and has allowed me to get to know many of our U.S. Customs and Border Protection officers, Border Patrol agents and other federal enforcement personnel, federal law enforcement agencies and the U.S. military," she says. "It's eye-opening to see the many challenges they face in protecting our borders and controlling commodities as they enter and leave the U.S."

Water purifier or nuclear weapon production commodities?

Hasty is an expert in detection of nuclear-related materials and identification of dual-use equipment and technology used to produce biological, chemical and nuclear weapons and missile delivery systems. A chemical engineer at the Savannah River Site, his INECP work has taken him to Poland, Slovakia, Bulgaria, Serbia, Croatia, Macedonia, Armenia, Kazakhstan, Romania and Russia.

He, too, helps train specialists in other countries on how to recognize possible WMDs. For example, what appears to be material for water purification can also be used for uranium enrichment, a critical step in producing nuclear-weapon material.

One highlight of Hasty's work has been with Romania.

"INECP has been in Romania for four years where we have worked with Romanian export licensing and customs officials to transition our training to the specialists there," he says. "The effort is now coming to completion, and the Romanian instructors are doing a great job of teaching their colleagues. This 'from

start to finish' success gives us a real sense of satisfaction."

In addition to supporting INECP, Hasty participates in nonproliferation activities in Russia. **He was part of the first U.S. team that inspected the Russian plutonium production facilities in 2002.** He still participates in some of the inspections there and manages reciprocal nuclear reactor and plutonium storage facility inspections at the Savannah River Site.

"The work at the Russian location that I support has had many challenges," says Hasty, an understatement for Siberia where he's inspected facilities in temperatures of minus 25 C with 40-mph winds.

Good neighbors

In the coming year, McKinsey and Hasty will probably travel, on average, a week out of every month — as they've done in the past few years. Some destinations and assignments will be a continuation of partnerships they've already begun.

This article touches on only parts of their work in areas of strategic trade control and international partnerships. But it's clear that wherever they are and whatever the task, they'll be working to create good neighbors for the United States and a safer world for us all.

Clemson can be proud. 🌐



Tim Hasty

INECP

The International Nonproliferation Export Control Program (INECP) is part of the U.S. Department of Energy's National Nuclear Security Administration. It promotes strong strategic trade control systems consistent with international norms by providing WMD-related export-control training and technical assistance worldwide.

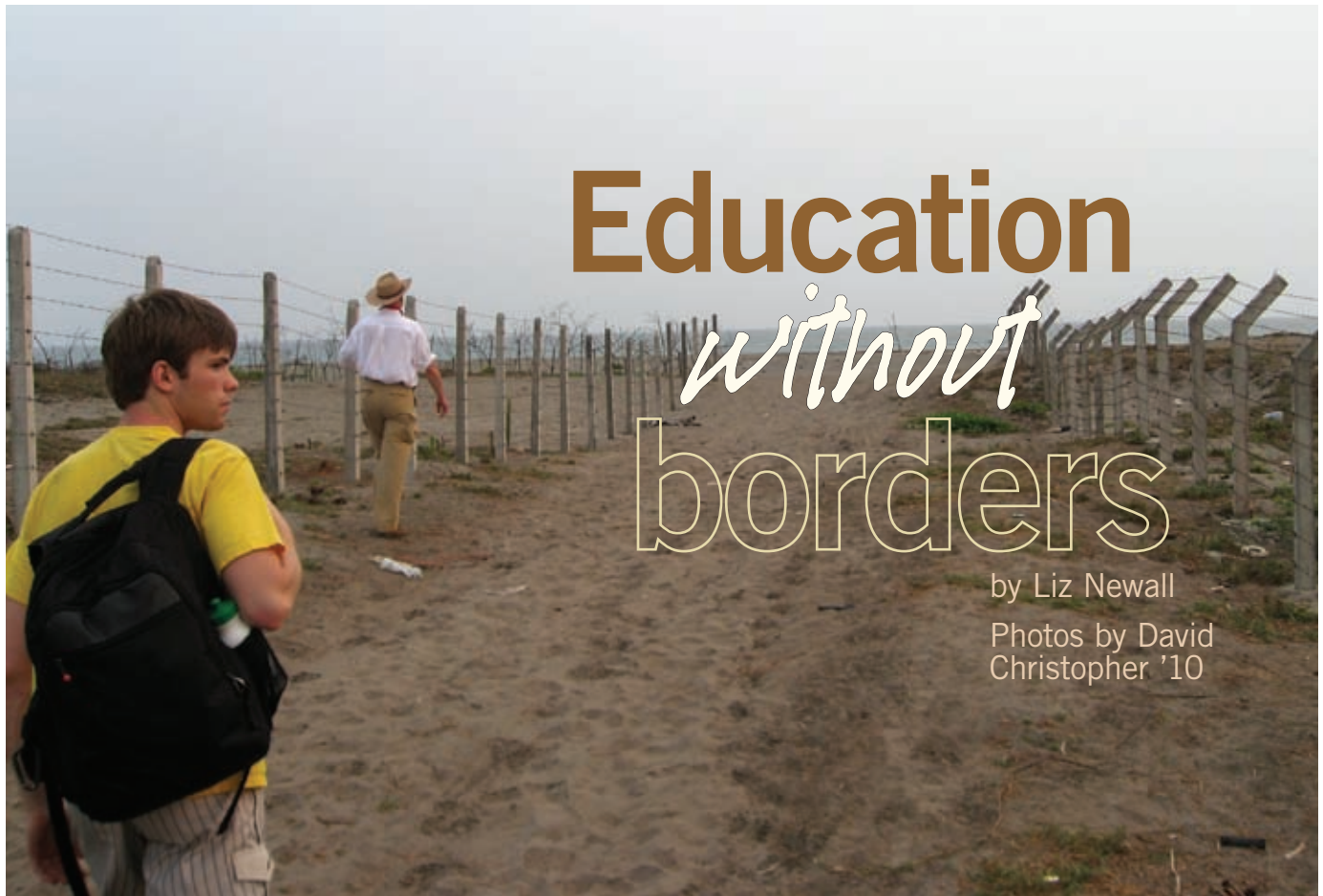
INECP'S operation is threefold:

- international relations experts at Department of Energy (DOE) headquarters;
- technical experts in U.S. National Laboratories and U.S. DOE sites throughout the country;
- international partners from foreign export licensing, enforcement and enterprise compliance organizations.

INECP personnel work with specialists in partner countries to identify and address gaps in their national systems of export control for managing WMD strategic goods and know-how to develop

- nuclear weapons,
- chemical weapons,
- biological weapons and
- their missile delivery systems.

For more information on the INECP program, contact INECP manager Todd Perry, DOE/ NNSA Office of Global Security, Engagement and Cooperation, at todd.perry@nnsa.doe.gov.



Education *without* borders

by Liz Newall

Photos by David
Christopher '10



***Clemson
is raising
a new
generation
of global
thinkers.***

Imagine if you were a student whose “class work” helps bring clean drinking water to a village. Whose “field trips” take you to developing communities in foreign countries or ailing parts of your own country to apply what you’re learning. Whose after-college plans include humanitarian service as well as your own “economic development.”

Students in Clemson’s chapter of Engineers Without Borders don’t have to imagine. They don’t even have to be engineering majors. But they do need vision, energy and some well-seasoned guidance.

Engineers Without Borders (EWB) is a nonprofit organization that partners with developing communities to improve quality of life. EWB implements sustainable engineering projects (water, power, waste systems) while involving and training internationally responsible engineers and other professionals.

The concept is a perfect fit for Clemson’s belief in education that creates doers as well as thinkers.

At ground zero in New Orleans

Clemson’s EWB student chapter began in fall 2005 with the first projects centered



on Katrina-wrecked New Orleans. Since then, students and faculty have completed four service trips there. The first three trips — May and November 2006, and August 2007 — were in collaboration with Catholic Charities Helping Hands, a program dedicated to helping elderly residents repair and return to their homes.

In May 2008, volunteers from Clemson's EWB partnered with Tigers Go! (a group leading alternative spring breaks) and a volunteer from the University of New Orleans EWB for their fourth trip. The EWB team helped install insulation and drywall in the home of piano teacher Barbara Murray, who is still living in a FEMA trailer.

"Students drawn to EWB projects are very giving of their time and skills to help others," says Caye Drapcho, chapter co-adviser and biosystems engineering professor. "The ones who've traveled to New Orleans have been surprised at the poverty that existed there even before the hurricane hit and at the lack of progress made since then. **When they see the great need that exists in our own country, it motivates them to want to return and make an even bigger impact.**"

Biosystems engineering and EWB student Lauren Staples, who went to New Orleans in 2008, says, "There are still so many ghost buildings with the spray paint that the National Guard and Red Cross originally tagged on each house as they searched for

victims. Hardly any road signs ... people living in tents under bridges.

"In our situation, we worked with people from all different backgrounds. It makes you aware that disasters don't distinguish between ages, classes or heritage. And that help shouldn't either."

The learning experience has been so successful that the New Orleans project is now part of an EWB Creative Inquiry class taught by Drapcho.

The next part of the project focuses on a sustainable solar energy design. Students have already submitted an EPA P3 proposal for solar water heater installation. Now, they're modifying and designing solar water heaters to be installed onto secondary structures and donated to families in New Orleans.

The team plans to test the solar energy design on-site in New Orleans in the near future.

Along the coast of El Salvador

Another team of Clemson students is working to construct water supply and sanitation systems in Isla de Mendez, a small community on a peninsula on the coast of El Salvador, to bring clean drinking water to remote villages and to help the locals develop eco-tourism.

Why El Salvador? EWB partners with countries where it can help communities thrive in their own

homes, on their own plot of earth, in their own culture. Parts of El Salvador are a good fit — gracious and grateful people, the Spanish language and established leadership through a nongovernmental organization.

Clemson's involvement has come through a stroke of luck — the kind of luck you get when preparation meets opportunity. Environmental systems engineering alumnus Jim Chamberlain (M '94) returned to Clemson last year to work on a Ph.D. in environmental engineering and science.

In the interim, he'd worked in Austin, Texas, and elsewhere as an engineer and a teacher. While in Austin, he established the EWB chapter for professional engineers and began a project in El Salvador. When he came back to Clemson, the University's chapter and faculty supporters were eager to develop the El Salvador connection.

The first Clemson EWB team went to El Salvador last spring. Two professional engineers — David Boles, a chemical engineer with Owens Corning, and environmental systems engineer Ross Wagenseil '85, PhD '91, a professor at Tri-County Technical College — joined the group.

Chamberlain says, "Team members stayed in the homes of host families where they shared meals, slept on thinly clad beds (family members gave up their beds for their guests), took bucket showers and got a taste of

day-to-day life far different from their own.”

And they accomplished an impressive amount of work during their eight-day visit.

They met with the community leaders, installed a wind anemometer, conducted percolation tests, evaluated electrical loads, analyzed water quality, surveyed and assessed sites for future designs — all with the ultimate goal of clean water, solar power and sanitation systems for the community.

The El Salvador project, like the New Orleans project, developed into a Creative Inquiry class this fall, with the goal of continuing and extending what was already begun both in the classroom and on-site.

“The purpose of this Creative Inquiry course is to get students engaged in active design of appropriate and sustainable technology that will benefit a developing community in El Salvador,” says Mark Schlautman, environmental engineering and earth sciences professor and EWB co-adviser.

“Each semester one or two project modules will be scoped, researched and designed. Some students will travel to El Salvador in the spring to collect data and assist in the implementation of their project design.”

Not just for engineers

A bonus of the EWB Creative Inquiry classes is that students don’t have to be engineering majors. **Language, business, education, architectural design, biology — virtually all majors gain a wealth of information, experience and perspective while they make life better for people who need them.**

And while many of the EWB teams’ successes can be measured in engineering terms, others can’t.

For example, EWB student Maria Koon, a mechanical engineering major, says of the El Salvador project, “The highlight of the trip was spending time with the families with whom we were staying in the evenings and at meal times.

“It was so great to be able to practice Spanish with them and tell them about the projects on which we were working. It was interesting to hear their opinions about the local needs and how grateful they are for the work done by previous delegations.”

And the impact is far beyond the classroom or even the project site.

As civil engineering major David Christopher, who has taken part in both the New Orleans and El Salvador projects, points out, “As I was going through the career fair a few months ago, I found myself evaluating potential employers based not only on the pay I would receive but also on their stance toward sustainability and the environment.”

Helping students shift to more international thinking is a major part of Engineers Without Borders’ philosophy.

Chamberlain, who’s helping lead the El Salvador Creative Inquiry class and the on-site visits, says, **“EWB’s humanitarian efforts are certainly an immediate goal in all its work. But creating a new generation of engineers and other professionals who are global-minded is just as important.”**

To learn more about Engineers Without Borders USA, go to www.ewb-usa.org.

For more on Clemson’s chapter, go to www.clemson.edu/~ewb. 🌐



Covering the costs

Costs for the chapter’s EWB projects are offset in a variety of ways.

Rotary International (RI), through its Greenville office and with the support of local Rotary chapters, is working toward funding materials and equipment for the upcoming water supply project in El Salvador. RI, however, can’t fund any travel or accommodation expenses, which can be significant for international travel.

The EWB chapter holds fundraisers (ballgame concessions, T-shirt sales, etc.), and the University’s Creative Inquiry program provides some grant support in an effort to raise up to half the students’ travel costs for both domestic and international projects. The remaining half must be covered by the students themselves.

If you’d like to support Clemson’s Engineers Without Borders, you can make a gift to the Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889. Please designate in your check’s memo line “Engineers Without Borders.” Or contact Caye Drapcho at cdrapcho@clemson.edu or (864) 656-0378.

Emerging SCHOLARS

by Liz Newall

Education pays. And lack of it can cost dearly.

Almost every kind of occupation has seen a dramatic increase in education requirements, according to the Greater Expectations National Panel report for the Association of American Colleges and Universities.

The majority of jobs considered desirable are now held by people with at least some college, and jobs for the best-educated workers are growing the fastest. The report states that college graduates earn 80 percent more than high school graduates or \$1 million over a lifetime (www.greaterexpectations.org).

But, in South Carolina, the overall high school graduation rate is only 60.1 percent — among the lowest in the nation. In some S.C. counties, the dropout rate appears to be greater than the graduation rate. The prospect of higher education for many students in these S.C. counties is understandably remote.

Clemson's Emerging Scholars Program, however, is making higher education a reality for many students who have not imagined college in their future. Since 2002, the program has been changing attitudes, economic outlook and ultimately lives.

Emerging Scholars' mission is to enhance South Carolina's economic prosperity by increasing the number of college graduates from economically disadvantaged areas.

The program targets students in five high schools in the Lowcountry — where the average poverty rate, according to the U.S. Census Bureau, is 25.6 percent or one in four people. The schools include Bamberg-Ehrhardt, Denmark-Olar, Allendale-Fairfax, Estill and Wade Hampton high schools.

Part of the success of the program comes from the college students who help mentor and guide the high school participants. These program advisers are recruited from around the Southeast and help expose the participants to other schools and majors. This past year, they were from Clemson, Claflin, Morehouse, Virginia Tech and Albany State.



A program for S.C. high school students is changing attitudes and economics.



"We're not particularly trying to recruit for Clemson, although we'd love for our ES students to come here," says Byron Wiley, director of the University's Office of Access and Equity. "Mainly, we're trying to make higher education in our state a reality for those who, perhaps, need it most."

Students for all seasons

Summertime brings Emerging Scholars to campus. High school students, recommended by their teachers and

guidance counselors in specific schools and accepted into the program, take part in summer academic activities at Clemson.

Students progress through three sequential on-campus programs — a week for rising sophomores, two weeks for rising juniors and three weeks for rising seniors. The focus begins with reading and basic math skills and advances (as the student returns each summer) to experiential and collaborative learning. The third summer simulates the first three weeks of school for a new college freshman. Courses range from enrichment in writing to research in advanced materials.



CRAIG MAHAFFEY



CRAIG MAHAFFEY

During the school year, ES students participate in workshops at USC-Salkehatchie in Allendale, they have college preparatory workbooks to complete, and they're invited to attend college trips (for juniors and seniors) to S.C. colleges and universities. By the time students graduate from the ES program, they've had the

chance to visit more than eight different colleges around the state.

"By working with the students in the summer and throughout the academic year, we give them a better picture of what college will be like and what they need to do to get there," says Amber Lange, ES site director. "Unfortunately, the high schools these students attend do not have the resources that

are usually required to make sure this information is received by all of their students."

Each ES class usually contains some students who already have made higher education a goal. They too benefit by learning to become more disciplined, focusing on possible majors and receiving guidance from college professors and peer advisers.

Early achievements and support

So far, four classes (126 students) have completed the program. Nearly 90 percent have entered college or the military the year after they graduated from high school.

Three more classes (125 students) are in the pipeline, and other high school students are waiting for spaces.

The program receives funding from the Road Map Allocation through the President's Budget Center. It has also received \$300,000 from the Wachovia Foundation Mentors and Scholars Program to fund a class of 50 students for the three-year program.

And it benefits from Project Pipeline, a comprehensive initiative funded through the GE Foundation for K-12, to

maximize the impact in transforming math education in key schools.

"We reach as many students as possible," says Lange, "but as budgets are cut and decisions are made in Columbia, it gets tougher and tougher to reach more schools and participants. These students are too often forgotten, but we do what we can to make them stand out on their own."

"Clemson has many excellent initiatives and diversity programs including the Gantt Intercultural Center, Call Me MISTER® and academic programs in women's studies and Pan-African studies," says Leon Wiles, the University's new chief diversity officer. "The Emerging Scholars Program is especially important in that it starts early in high school when students are beginning to think what's possible for their future."

In their own words

Michael Council

Clemson freshman majoring in finance

I got involved with Emerging Scholars through my high school guidance counselor. She informed me that it would be a great opportunity to experience firsthand what college would be all about and that this program would do just that.

My summer experiences at Clemson were great but at the same time challenging and educational. We took classes just like college students, stayed in the

high rises and actually were treated as if we were college students. The seminars, speakers and professors who taught us throughout the summers really made it worthwhile.

Each summer sent me along with other individuals back to our hometown with something new — broadening our minds. I am very grateful for all the opportunities that I have been offered throughout the ES program.



Osheanna Galloway

Lander University freshman majoring in political science

My summers at Clemson as an ES gave me a new experience. It gave me a chance to interact with different schools and meet new people. Being an ES helped me prepare for college, and I saw it as another step in life.



My experience as a freshman at Lander has been fun so far. It has been a little challenging with all the different classes, but I've

learned to interact with other people. My past experience as an Emerging Scholar has helped.

After college, I plan to go to law school. Hopefully, I will be a successful lawyer with my own law firm.

Ben White

Clemson senior majoring in graphic communications

The ES sessions were fun and exciting, and I got a chance to meet people from other schools.

Clemson has been amazing.

I've met tons of people and new friends that are from all over. It's definitely a change of scenery, and getting used to it was quite a ride. But I wouldn't have it any other way.

There are so many opportunities here that I've taken part in such as disc jockey for WSBF radio station, photographer for "Tiger News" and Crew Club (rowing), which I had never heard of, and so many more opportunities just waiting.

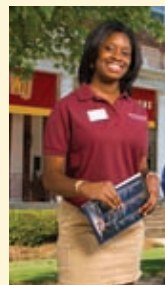
After college, I first and foremost plan on getting a job with my graphic communications major and paying off my student loans.



K. Jurée Capers

Winthrop senior majoring in psychology and political science

I think the ES program helped me come into college extremely focused, and I have remained as such throughout. The peer advisers offered an unbiased reality of college that I really appreciate.



My college experience at Winthrop has been absolutely amazing. Last summer I was one of 20 selected to participate in the Ralph Bunche Summer Institute, a program for students interested in pursuing a Ph.D. in political science.

I am an admissions counselor assistant and event coordinator for our student ambassador program. I've served as an orientation leader, member of our student government and a division leader of Multicultural Student Council. I'm a member of the psychology and political science honors societies and current Winthrop homecoming queen.

After obtaining a Ph.D., I plan either to teach on the college level or to continue education policy research for a nonprofit organization or a think tank. 🌐

For more on the Emerging Scholar Program, go to www.clemson.edu/prospectivestudents/emergingscholars or contact Amber Lange at lange@clemson.edu or (864) 656-1301. **If you'd like to support Clemson's Emerging Scholars Program, you can make a gift to the Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889. Please designate in your check's memo line "Emerging Scholars."**

HIGH SCHOOL AND MIDDLE SCHOOL STUDENTS ...

Spend your summer at **Clemson University**



- Experience NEW classes in the **Summer Science, Engineering and Architecture Academic Enrichment Program at Clemson**
- Study with Clemson faculty
- Live in a campus dormitory

More than 20 different classes for rising seventh- through 12th-grade students

Learn to

- Explore the mathematics behind code-making and code-breaking
- Study volcanoes and meteorites
- Investigate engineering and technology systems
- Create architectural and landscape models
- Perform a heart bypass on a cow's heart
- Engineer models for human body systems
- Investigate wildlife habitats and become a master naturalist
- Think critically, write coherently and speak effectively
- Explore economics

In our NEW advanced DNA courses, learn to

- Isolate and sequence DNA
- Use computers for bioinformatics analyses

One- and Two-week Sessions

June 7-August 8, 2009

Register today at

www.clemson.edu/summerscience

For information:

Call: (864) 656-5849

Email:

summerscience@clemson.edu

CLEMSON
UNIVERSITY



Medallion Clemson

by Dot Yandle

photography by
Patrick Wright

In February, Bill Hendrix and George Bennett will receive the Thomas Green Clemson Medallion, the University's highest public honor.

The honor is so special that it isn't given on an annual basis or established timetable. And when it is bestowed on individuals whose service to Clemson exemplifies the dedication and vision of the University's founder, it's both a celebration and rededication of the Clemson spirit.

Leon J. "Bill" Hendrix, Jr. '63, M '68

Bill Hendrix's stellar career in business has taken him away from South Carolina for years at a time, but family and Clemson ties have kept him anchored here. He considers the friends he made at Clemson the closest and most enduring of his life, and as chairman of the University's Board of Trustees, he makes frequent trips from his Kiawah Island home to the campus, staying in constant touch with today's faculty, staff and students.

He considers serving as a trustee, receiving the Alumni Association's Distinguished Service Award and — back in his student days — being president of the student body among the highest honors he has ever received. It was a special pleasure for him to see his son, Jim, serve in the same capacity as student body president in 1998.

A generous Clemson supporter, both of academics and athletics, Hendrix was a major force in the construction of the student center that bears his name. At its 2000 opening, he said, **"We hope the Hendrix Student Center will play some small role in helping prepare future generations of Clemson students to enjoy life and make a difference in our world."**

Those are two things Hendrix has done in his own life. Enjoyed it — and made a difference.

The man who bird-napped Cocky

Hendrix came to Clemson from McBee, where his father was a school district superintendent. His family consisted of Bill Sr., his mother, Carolyn, and his younger brother, Guy '77. Active in high school sports and other activities and excelling in academics, he brought those same enthusiasms to college, where in addition to being student body president, he was a member of Tiger Brotherhood, Blue Key and the Numeral Society.

Those activities aside, he, as a lowly "rat," earned everlasting fame for capturing the USC chicken, alive and squawking, at the traditional "Last Big Thursday Game" between the two schools in the fall of 1959. Coach Frank Howard made him give it back, but his reputation was made.

After graduating in textile science at Clemson, Hendrix worked for Celanese Corp., then returned for a master's degree in industrial management. During his second year, he and Pam Maddex of Camden were married and lived in the storied "prefabs" until 1968. That degree led to nearly 20 years with Reliance Electric Co., some 14 of them spent in Chagrin Falls, Ohio, where Bill and Pam raised their four children. All are Clemson grads: Jill '92, Joy '93, Holly '95 and Jim '98.

Philosophy: "Enjoy life and make a difference."

Advice: "Show up every day, and do your best, whatever your assignment."

You'll recognize these two Clemson men, for certain, but you may not know just how much they mean to your University.

At Reliance, Hendrix rose to the position of executive vice president and chief operating officer, then moved on to become a principal in the investment company of Clayton, Dubilier & Rice Inc., which purchased Remington Arms Co. Inc. He became chief executive officer of Remington and retired as chairman in 2007.

Over the years, he served on the Alumni National Council, the President's Advisory Board, the Clemson University Foundation Board of Directors and the Board of Visitors and as an IPTAY representative. He was elected a life member of the Board of Trustees in 1995 and currently serves as chairman.

His vision for Clemson? To gain top-20 status and be widely recognized for its academic and athletic excellence. And what advice would he give a Clemson man or woman entering a tough job market this year? "Show up every day, and do your best, whatever your assignment."

George Ulmer Bennett '55

George Bennett was head cheerleader his senior year at Clemson — and he's been enthusiastically fueling the Tiger spirit ever since. **His greatest hope is that the special Clemson family feeling that takes hold of a freshman when first setting foot on campus will still be alive a dozen generations from now.**

Bennett grew up in Columbia, the son of George Mae and Glyn Bennett. His father operated a service station near the downtown corner where Clemson cadets traditionally "bummed" rides back to campus. His father was an ardent Clemson fan, and he never considered going to college anywhere else.

At Dreher High School, Bennett was a class officer for four years and president of the student body his senior year, as well as editor of the yearbook. Experience as an Eagle Scout and a four-year association with Palmetto Boys State may account for his lifelong dedication to projects that benefit kids.

The man who fired the touchdown cannon

He made a lasting imprint after arriving at Clemson in 1951. President of his freshman class and a class officer every year after, he also led the Central Dance Association and Blue Key and was a member of Tiger Brotherhood, a cheerleader and a Distinguished Military Graduate.

His mightiest legacy from those years, though, might remain his idea for firing a cannon when Clemson scores a touchdown!

After earning a B.S. in arts and sciences, he served two years in the army at Fort Knox, Ky., the last 16 months as commander of the honor guard platoon. Next, he began a nine-year stint

with Humble Oil and Refining Co., moving in fast sequence from Columbia to Charlotte and then to Hickory, N.C., where he met Nancy Moser M'76, his wife of almost 49 years.

During his years with Humble Oil, Bennett honed his selling and management skills. While the family — including children, Jeff '82 and Bonnie '84 — was living in Florida, he noticed a newsletter item about an exciting new position with his alma mater. In 1967, he became the Clemson Alumni Association's first field representative, traveling the state and beyond to visit alumni and garner support.

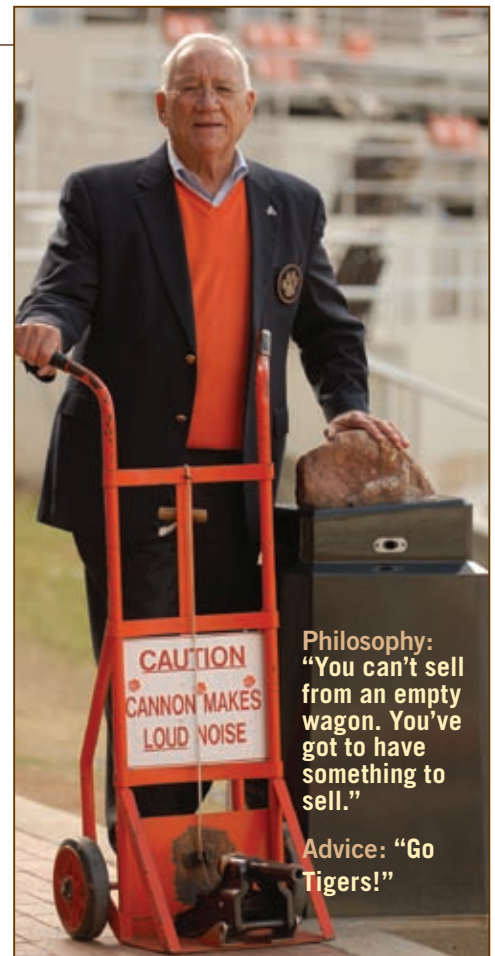
In 1971, he became assistant athletic director for business, and in the years to come would be executive secretary and director of IPTAY. He has played vital roles at Clemson for nearly 23 years, building the IPTAY program to a \$9.1 million, 22,000-member powerhouse by the time he retired as executive director in 2004. In addition to his dedication to all sports, he was adviser to Sigma Nu fraternity for 22 years.

Even during the period between 1979 and 1993, when he served as an acclaimed athletic fundraiser at Vanderbilt and Furman universities and at Nashville's Baptist Hospital, he was a moving force as a volunteer organizer behind alumni and athletic support at Clemson.

A few years ago, Bennett spent several months at M.D. Anderson Hospital in Houston fighting cancer. There, he and Nancy noticed the positive effect of ringing a ship's bell at the end of a patient's treatment. They have since placed more than a dozen bells in cancer wards statewide in honor of Clemson alumni and others who have received treatment.

Honored with the S.C. Order of the Palmetto, as well as the Alumni Association's Distinguished Service and Athletic Hall of Fame awards, Bennett likes to say, "You can't sell from an empty wagon. You've got to have something to sell."

Lucky for Clemson, he set up his wagon here. Today — as a special ambassador for Clemson athletics — he's still passing out the wares. 🐾



Philosophy:
"You can't sell from an empty wagon. You've got to have something to sell."

Advice: "Go Tigers!"

1942

***Robert L. "Bob" Graham** (EE) and his wife, ***Lois**, of Morgantown, N.C., celebrated their 60th wedding anniversary.

1951

***Henry M. Chaplin** (AGRON) of Neeses chairs the Silver Springs Water District Board, which was awarded the outstanding water system by the S.C. Rural Water Association.

1954

O. Gene Rose Jr. (VOCAGED) of Glen Allen, Va., is vice president, treasury services for Wachovia in Richmond.

1957

D. Earle Goodman (PREVET) of Turbeville is a charter and long-term board member of Christian Veterinary Missions. He's the editor of *International*

Animal Health News and the author of three textbooks on animal health and production for small farmers in developing countries.

1966

Charles E. Rodes Jr. (CHE) of Cary, N.C., director of the aerosol exposure program at RT! International, is an RT! International Senior Fellow.

1969

Marshall V. Marchbanks (PREMED) of Edwards, Colo., was honored by the Santa Rosa Memorial Hospital (California) board of trustees, who named the new Heart & Vascular Institute cardiac operating suite for him. He retired as chief of cardiac surgery after 20 years. The Pickens County native performed over 5,000 open-heart surgeries in his distinguished 25-year career.

1971

Chet D. Emerson (RPA) of Virginia Beach is executive director for the Boys and Girls Clubs of Southeast Virginia. He's retiring after 42 years with Boys and Girls Clubs in St. Paul, Minn.; Anderson, S.C.; Gadsden, Ala.; and Greenville, N.C.

1972

John A. Floyd Jr. (M HORT, PhD '75 PLPH) of Trussville, Ala., is editor in chief of *Southern Living*, which was awarded the Media Advocate Award for its outstanding coverage of the Year in Alabama Arts by the Alabama Bureau of Tourism and Travel. He was also conferred a doctor of humanities degree by Furman University.



Middleton and Barnes

Knowing Who I Am

***Joy Workman Barnes '61**

Joy Barnes ought to write a book about her life. She was among the first females to enroll in Clemson. (Probably the only one from Chattanooga, Tenn.) And she made history as the first female to earn a Clemson industrial management degree.

Her recent, highly reviewed biography, however, isn't about herself. *Knowing Who I Am: A Black Entrepreneur's Struggle and Success in the American South* is about Orangeburg businessman and S.C. legislator, the late Earl M. Middleton, with whom Barnes worked for three decades.

Middleton was a Tuskegee Airman and World War II veteran. (In July 2007, George W. Bush personally presented him with the Congressional Gold Medal for Tuskegee Airmen.) After the war, Middleton returned to his home and began what was to become one of the largest and most profitable real estate firms in Orangeburg.

Barnes moved to Orangeburg with her husband, George (M '65), and began working for Middleton's company in the early 1970s. When Middleton was elected to the S.C. House of Representatives in 1974, she also helped him at the State House in Columbia when the Legislature was in session.

A 1992 *Wall Street Journal* feature about Middleton inspired Barnes to research and document his remarkable life.

But it wasn't a fast process. "More than 15 years of research have gone into the project, and Earl's book is only one part of a much larger story," she says. "I took many genealogy courses and studied black history on my own to be able to help him bring forth a memoir that was supported by documentation and respected in the academic community."

Since the book's publication earlier this year, Barnes has spoken at engagements throughout the region including the Call Me MISTER® Summer Institute. She's been invited to become a research fellow at the Jonathan Jasper Wright Institute at Claflin University and plans to research and write two more books.



From '56 to '08

Haydens and Heberts

The Haydens and the Heberts gathered for a Clemson Commencement photo with the newest graduate in the family. Pictured from left are Russell B. Hebert III '89 (uncle of graduate), *Russell B. Hebert Jr. '63 (grandfather), Angela Hebert Hayden '88 (mother), Kathryn Marie Hayden '08 (May graduate), Mark E. Hayden '89 (father), *Thomas E. Hayden '56 (grandfather), Joseph T. Hayden '80 (uncle) and *Paul Hayden '85 (uncle). Not pictured are Wyck Hebert '92 (uncle) and Victoria Bailey Hayden (sister and current Clemson student).

Wendy's Legacy Award

Pickens M. "Pick" Lindsay '74

Wendy's franchisee Pick Lindsay recently received the company's prestigious Jim Near Legacy Award, dedicated to the memory of the late Wendy's chairman and president. The



winner is a person who best embodies Near's commitment to the development of people, their success and well-being.

Lindsay, who operates 13 Wendy's restaurants in north Georgia, was chosen for the training and benefits programs

he offers his employees. In addition to providing crew and management benefits, he encourages his employees to take training classes to improve their skills and work toward promotions.

Lindsay, a history graduate, serves on the Clemson University Foundation board of directors.

Environmental grant to start a replica of Thomas Jefferson's gardens at Monticello at Chattahoochee High School where he teaches history.

1979

Mary Jo Warren Breckenridge (ELED) of Matthews, N.C., was named Assistant Principal of the Year for Union County Public Schools. She's assistant principal/special needs administrator at Sun Valley Middle School in Indian Trail.

1980

Kirk C. Heriot (INDMGT, PhD '96) of Columbus, Ga., is the Ray and Evelyn Crowley Endowed Chair of Entrepreneurship at Columbus State University. He has started a new academic journal (www.southernjournalentrepreneurship.org) devoted to the scholarly study of entrepreneurship.

***Mike May** (ADMGT) of Oakdale, Calif., is a regional manager for First Alert Inc., responsible for 17 Western states.

Rick A. Maxey (ENGL, M '84) of Conway graduated from the University of South Carolina with a Ph.D. in education administration. He's the executive director of secondary schools for Horry County.

George C. Sharpe (ME) of Holly Springs, N.C., is director of business development for Giffels NC/ IBI Group, an architectural and engineering firm in Raleigh.

Scott B. Hilborn (ECON) is married and lives in Charlotte, N.C. He's a Presbyterian minister and high school math teacher.

Teresa Wamack Knight (PSYCH) of Gray Court, executive vice president, The Palmetto Bank, is first vice chair of the S.C. Bankers Association.

***Alan M. Wind** (SED) of Marietta, Ga., was named Outstanding Teacher of American History by the Martha Stewart Bullock Chapter of DAR. He also was awarded a GreenWorks!

National Humanitarian

Stoney A. Abercrombie '72

Anderson physician Stoney Abercrombie was recently named Humanitarian of the Year by the American Academy of Family Physicians, an award he says he was "surprised and humbled by."

Abercrombie, however, is a humanitarian all year, every year, at home and far away.

Abercrombie is director of medical education and residency at AnMed Health's Family Medicine program. Locally, he volunteers at the Anderson Free Clinic and helps feed 150 inner-city dwellers a free breakfast every Sunday morning as part of the River of Life Church.

Internationally, he's worked on five continents. In March, he'll go to Guatemala on his 51st

medical mission trip. Much of his work is through Volunteers in Medical Missions (VIMM), an organization he founded in Seneca in 1986.

VIMM has 18-20 annual trips with most going to Tanzania, Honduras, Nicaragua, Peru and Ecuador. VIMM has conducted more than 230 trips, treating 390,000 patients by 3,800 volunteers at a value of more than \$30.5 million in medical care.

VIMM volunteers have constructed seven medical clinics and are now working to educate local health providers with up-to-date medical seminars.

Abercrombie is also a member of Clemson's School of Nursing advisory board, MUSC College of Medicine alumni president, senior S.C. delegate to the American Academy of Family Physicians and chairman of the board for the Upstate Area Health Education Center.



1974

Darlene Davis (MEDT) and **Ray A. (CHE) Holeman** are living in Orangeburg. She's a medical technologist with Regional Medical Center, and he's a chemical engineer with Albemarle Corp. They have completed their retirement home at Edisto Beach and have named it "Clam Sand Tigers."

1977

Rick J. Hanson (BLDGCNS) of Marietta, Ga., is manager of construction field services and is an associate at Jordan, Jones & Goulding in Atlanta.

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

1983

Debra Hendrick (ACCT) and **Terry L. (INED, M '86) Corder** are living in Jefferson. He's the pastor of Mount Pisgah Baptist Church and is registration secretary of the S.C. Baptist Convention.

José Mendes Lucas (M TS, PhD '87 TPS) of Covilha, Portugal, is a member of the faculty at Universitário Beira Interior. He and his family recently visited the Clemson campus for the first time in 21 years and stayed at the home of Frederick T. Simon, professor emeritus.

1985

Scott A. Harke (INDMGT, M '93 BUSADM) of Greer is manager of distribution operations with Aruba Networks.

1987

W. Ken (COMPSC) and **Cheryl Hull** ('90 ECHED) **Banks** are living in Lexington. He's a senior software engineer with Intel Corp. in Columbia, and she's a four-year-old kindergarten class teacher at Pleasant Hill Elementary.

1988

***Lisa Stark Nason** (MGT, M '90 PACC) and ***T.J. Way** ('97 ACCT) of Greer have merged CPA firms to form Nason Way Accounting, LLC.

1989

Mary Robinson (ENGL) and **Christopher Denney** ('90 EE) **Dickey** are living in Evans, Ga. She participated in an Advanced Placement Summer Institute in English literature at Worcester

College, Oxford. She's an English teacher at Evans Christian Academy. He's an electrical/I&C supervisor at Vogtle Electric Generating Plant in Waynesboro.

1990

Paul Lindsey Robertson (FINMGT) of Dayton, Md., president and owner of Tanks Direct, was recognized as one of the top 50 companies/owners in the Baltimore and Washington, D.C., areas. He's profiled in *SMART CEO* magazine.

1991

Kevin E. Taylor (PHYS) of Simpsonville is senior environmental health physicist with ARCOM Environmental in Greenville.

Wilson with student government officers



National Principal

Mark D. Wilson '85, M '86

Education alumnus and former Clemson student body president Mark Wilson is the 2009 MetLife/National Association of Secondary School Principals National High School Principal of the Year.

Wilson, principal of Morgan County High School in Madison, Ga., and his staff implemented several groundbreaking methods to help increase student achievement at his school.

Among their successes is an increase in the graduation rate from 71 percent in 2004 to 81 percent in 2007. At the same time, the achievement gap between white and African American students in English/Language Arts narrowed dramatically. Wilson's school also has seen a tremendous growth of students taking Advanced Placement (AP) or International Baccalaureate (IB) classes. In three years, the number of AP and IB students has risen from 30 to more than 300.

Wilson's award includes a \$5,000 grant to promote the advancement of learning opportunities for students or other related investments such as capital improvements, the purchase of technology-related equipment or funding specific educational programs.



Meeting the president

Taylor, Gathings-Anthony '85, M '98, Acker M '99 and future grads

When then-Illinois Senator Barack Obama brought his presidential campaign rally to Clemson in early 2008, these alumni, students and staff got the opportunity to meet him.

Pictured from left are Regina Taylor, accountant/fiscal analyst with the College of Engineering and Science; ***Serita Acker M '99** (human resource development), director of Women in Science and Engineering; President Obama; ***Gisele Gathings-Anthony '85, M '98** (industrial engineering and human resource development) of Jubilee Realtors in Williamston; and Clemson students Lebranden Anthony (international business) and Jermaine Johnson (history).

1993

***Emmy Senn Matson** (CHE) of Greenville is a senior quality engineer for BMW.

1994

***John E. Hughes** (L&IT) of Jacksonville, Fla., is area manager for Caterpillar Financial Services Corp.

1995

Mike B. Phillips (M PUBADM) of Greenville is county manager for Appling County, Ga.

1997

Kenneth W. Ayers (CE) of Charlotte, N.C., is president of City Wide Maintenance of Charlotte.

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

Career redesign

Gerald Burwell '89, M '92

What does an architect do when there are no buildings to design? Gerald Burwell, a design and architecture graduate in Grayton Beach, Fla., found himself in that position with the recent economic downturn and came up with a creative solution.

Burwell and his wife, Lisa, a marketing and advertising executive, combined forces to start *VIE*, a high-gloss, quarterly magazine on the people and places of northwest Florida. After years of designing upscale residences in coastal communities, Burwell says that learning the publishing business has been exhausting and exhilarating.

Fortunately, the creativity that was fostered in Clemson's architecture studios has found an appreciative audience among residents and visitors to Florida's Emerald Coast. (See www.vie-peopleplusplaces.com.)



Brian L. Tripp (AGE) of Huntersville, N.C., was recognized as 2008 Engineer of the Year for the Water Environment Association of S.C. He's vice president of W.K. Dickson & Co. and manager of their Hickory branch.

1998

Josh K. Tiller (DESIGN) of Bluffton is vice president of J.K. Tiller Associates, a

land planning and landscape architecture firm.

1999

Thomas J. Gaffney (HIST) of Port Huron, Mich., is the executive director of the Steam Railroad Institute in Owosso.

Ty A. Kingsmore Jr. (CPENGR) of Austin, Texas, received a degree in engineering management from the University of Texas.

2001

Luke B. Henry (CPENGR) of Greer completed the final module for certification with the Spinal Research Institute of San Diego, Calif. He's a chiropractic physician and director of Henry Chiropractic Clinic in Greenville.

***Jason R. Thrift** (NURS) of Williamston has published a second book — *Recreant: What are you afraid of?* — a horror story about a biological weapon. It's available on Amazon.com.

Brian A. Tye (DESIGN) of Charlotte, N.C., completed the architectural registration exam qualifying for an architectural license in the state. He's project architect at Cline Design Associates.

2002

Mary Anderson Lowery (SEDEN) of Summerville is National Board Certified. She teaches English at Summerville High School and is the Wave TV/visual communications adviser. She received a master's degree from Walden University.

2003

Hailey Ahlfinger (PSYCH, M '06 APLPYS) and **Matthew J. (ECON) Herleman** are married and living in Easley. She's a Ph.D. student at the University. He's a financial specialist with Wachovia Corp. and pursuing an MBA at the University.

Nurturing life in Afghanistan

***Betsy Myhre '87**

Nursing graduate Betsy Myhre has recently completed a seven-month tour in Afghanistan. She served as the officer in charge of a medical and veterinary team that taught Afghani medical providers and performed preventive medicine for local people and veterinary care for their animals.

While there, she taught, provided health care and arranged workshops for Afghan women to educate them on topics ranging from their constitutional rights to voting awareness.

"The women of Afghanistan have been suppressed in every way for generations — they have the second highest maternal mortality rate in the world, little access to education and few economic opportunities," says Myhre.



"The security situation has made our work very challenging and dangerous, but we've tried to help stabilize the country by empowering women, increasing the medical intellectual capacity, improving the health of the local people and enhancing their livelihood — their herds."

Myhre, who completed her tour in Afghanistan in November, is now assigned to the Joint Task Force CAPMED in Washington, D.C.

She says, "The roots of my love for both pediatric medicine and public health are grounded in my nursing education at Clemson."

SWE Emerging Leader Award

Amy Winn Herbert '93

Mechanical engineer Amy Herbert (right) has been awarded the 2008 Society of Women Engineers

(SWE) Emerging Leader Award for Manufacturing and Construction. This award honors women engineers who have demonstrated

outstanding leadership through technical achievements and community involvement.

Herbert is a registered professional engineer who has been with the Fluor Corp. for more than 14 years. She's currently a project manager with the Energy and Chemicals Group in Greenville. She was recently selected by Fluor to attend Leadership S.C., a program that develops emerging leaders to increase the state's capacity to address issues affecting the quality of life.

She serves on the YWCA of Greenville board of directors and Fluor's Greenville campus HSE improvement team. She mentors recent college graduates at Fluor, and previously served as Fluor's liaison to Clemson's SWE student chapter. She's pictured with SWE President Virginia Connolly.



Olympic-bound marksman

Sommer A. Wood '03

As Sommer Wood studied for her visual arts major at Clemson, she also honed her marksmanship skills through the Clemson Air

Rifle Club. Wood now competes on the national level.

She's also the program manager for the Civilian Marksmanship Program summer camp and clinics and a contributing editor for *On the Mark*.

Wood has served as assistant coach to the U.S. Paralympic Shooting Team. She was on hand for the Beijing

Olympic Games and is aiming to compete for the U.S. team in London in 2012.



Behind NBC's 'up close and personal'

Jack Felling '01

During the summer, English graduate Jack Felling completed his fifth Olympic Games. Not as an athlete himself but as a producer for NBC Sports.

Felling creates athlete profiles — those biographical video packages about individuals that air during the Olympic broadcast.

Throughout the year before the 2008 Summer Olympics, Felling flew around the world to interview dozens of Olympians. Among the athletes assigned to him: swimming greats Michael Phelps and Dara Torres, beach volleyball

stars Misty May-Treanor and Kerri Walsh, track giants Usain Bolt, Liu Xiang and Irving Saladino, marathoner Paula Radcliffe and diver Guo Jing Jing.

Basically, his job is to meet the athletes with a film crew, direct the

shoot, conduct an interview, fly home with the tapes and then sit with an editor and produce the finished package for air.

"Once I arrived in Beijing," says Felling, "my job was to cut one additional feature for primetime each night, smashing together a piece that reacted to whatever major story developed during that day of competition.

"I was lucky enough to see Usain Bolt break a world record and Michael Phelps win his eighth gold medal. The Olympic venues offered some of the most visually stunning structures on the planet. And the pride the Chinese people took in these Olympics was truly inspiring. It was their modern-day Great Wall. Beijing hosted a spectacular Olympics. I doubt we will ever see a Games like that again."

Felling has won his own gold — two Emmy Awards and a Cine Golden Eagle Award for a CBS production.

His connection to NBC Olympics started before he graduated from Clemson. He managed to get an internship the summer before his senior year in which he helped prepare for the 2000 Sydney Olympic Games. After he graduated, NBC hired him for the Salt Lake Games. He's also produced for ESPN, HBO and CBS.

Felling doesn't get to rest long at his Manhattan, N.Y., home. There's the Super Bowl, and then it's on to Vancouver to prepare for the 2010 Winter Olympics.

Torres and Felling



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

Clemson Ring decal

Jon W. and Brantlee Peeler Morgan '94

Brantlee Morgan shows off the brainchild of her husband, Jon — the “Custom Clemson Ring Seal” decal for cars. Jon, an engineering graduate, wanted a unique way to display his Clemson pride — an image that reflects the significance of the Clemson ring and a way to display one’s class year.



He combined his idea with Tigertown Graphics’ skill and came up with a new Clemson decal for cars and other items. (See www.tigertowngraphics.com.)

In his professional career, he’s a process engineer with St. Jude Medical in Liberty. Brantlee, a dairy science graduate, is a former Extension Service employee.

Marc E. Thompson (L&IT) of Berlin, N.J., is a licensed U.S. customs broker with Expeditors International, a global logistics company in Philadelphia, Pa.

of handmade and artisan soaps.

Steve Foushee (CSM) of Greer is a project manager for Warren and Associates Design-Build LLC in Greenville.

J. Tye Hill (THRD) of St. George was honored with the naming of the interchange at mile marker 77 on Interstate 95. The Dorchester County native was honored for his outstanding football career from secondary school through the professional level. He set records in track and football while at Clemson.

Michael D. Stadnisky (BIOCH) of Charlottesville, Va., is pursuing a Ph.D. at the University of Virginia. He was accepted into the school’s NIH-funded interdisciplinary biological training program, bringing together basic scientists and engineers.

2004

***Ben L. Boyles** (M CRP) of Clemson is a member of the Class of 2009 for Leadership S.C. He’s with Clemson University Institute for Economic and Community Development.

Amanda Law (MKTG) and **Warren F. (SCT) Hucks** are married and living in Tampa, Fla.

Michael A. Truitt (ELED) of Wagener was named 2008-09 Teacher of the Year. He teaches at Busbee Elementary School.

2005

Lisa S. Aiken (COMPSC) is living in Santa Barbara, Calif. After working for two years in the aerospace industry as a software engineer, she has founded and owns Serah, a maker

2006

Dennis Shawn (INDE) and **Andrea Lambert** ('07 THRD) **Davis** are married and living in Pelzer.

2007

Michael D. (AGMECH) and **R. Darla Simons** (AGED) **Steele** are married and living in Ridge Spring.

S.C. Parks Service Ranger

Aaron E. Chavous '06

Natural resource management graduate Aaron Chavous is an S.C. Parks Service ranger at Edisto Beach State Park.

He’s in charge of day-to-day operations and law enforcement within the park, as well as the handling of daily park revenue. Part of his work is with the Loggerhead Sea Turtle nesting program along the mile-and-a-half state park beachfront.

“I have the opportunity to have a beautiful office outdoors and be able to help preserve and protect the rich natural resources of my native South Carolina,” says Chavous.



Corporate care

Stephanie Olivero '03

Language and international trade graduate Stephanie Olivero '03 recently made the cover of the *Financial & Insurance Meetings* magazine’s “Give Back” issue for her role in corporate social responsibility. Or as she says, “I’ve taken my Clemson values into my corporate life.”

Olivero — meeting planner for MetLife in Long Island City, N.Y. — arranged MetLife’s Auto & Home Agency Distribution Sales Conference as a team-



building meeting in New Orleans last year.

Working with Care Force, a division of City Year Louisiana, the 200+ member group refurbished an elementary school damaged by Hurricane Katrina. They painted murals, built a wetlands pond and assembled bookshelves for new books.

Marvin M. Smith Sr. '32, Walhalla

Robert Cook Edwards '33, Clemson, president emeritus. Memorials may be made in his honor to the Clemson University Foundation, PO Box 1889, Clemson SC 29633-1889. (For more on his remarkable tenure at Clemson, see "A Clemson Giant" on page 45.)

William B. Leland '35, Mount Pleasant

John F. Dunlap '37, Brookeville, Md.

Frank W. Herlong '37, Johnston

John Boyce Williams '38, Anderson

James M. Kirk '39, Lancaster

G. Clifton Salvo '39, Palm Springs, Calif.

Pickens N. Freeman '42, Winston-Salem, N.C.

George R. Glenn '43, Evans, Ga.

Ben Josselson Jr. '43, Yemassee

Gordon O. Perkins '43, Murfreesboro, Tenn.

William L. Whisnant '44, Charlotte, N.C.

Marvin E. Holcombe '47, Roanoke, Va.

James R. Thomas Sr. '47, Easley

Joseph G. Farrell Jr. '48, Moore

Clay B. Hill '48, Fountain Inn

Robert H. Mason '49, Central

Robert C. Uldrick '49, Donalds

James E. Yonce Jr. '49, Johnston

Leland R. Cooper Sr. '50, Creston, N.C.

Robert S. Gaddis '50, Taylors

Eugene T. Moore Jr. '50, Lake City. Clemson's Eugene T. Moore School of Education is named in his honor. Memorials may be made to the Eugene T. Moore School of Education Quasi-Endowment Fund payable to Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

William M. Tisdale '50, Sumter

Harold L. Gambrell '51, Pendleton

James R. Rochester '51, Easley

Thomas E. Stanley Jr. '52, Savannah, Ga.

J. Douglas Marett '53, Anderson

Charles O. Meiburg '53, Charlottesville, Va.

Marshall Staton '53, Surfside Beach

Harry P. Varn '53, Martinsville, Va.

George R. Griffin '54, Leesville

Arthur B. Schirmer Jr. '54, Sullivans Island

Howard L. Setzer Jr. '54, Williamsburg, Va.

James N. Calhoun '55, Ninety Six

Roger W. Burbage '57, Charleston

M. Howard Thomas Jr. '57, Mullins

William J. Hazzard '59, Portland, Ore.

Jack A. Lynch '59, Lyman

William T. Smith '61, Clinton

James William Davidson '62, Woodruff

Larry R. Tant '62, Poquoson, Va.

E. Gary Matthews III '63, Rock Hill

William A. Schilleter '63, Columbia

James W. Rankin Jr. '67, Anderson

Fayette L. Sims '69, Greenville

James C. Coleman '72, Abbeville

William R. O'Daniel '72, Union

Jackson M. Copeland '73, Warner Robins, Ga.

Edna "Tiger" Cantrell Mitchell M '74, Denver, N.C.

Bobbie Garrett Davenport '77, El Campo, Texas

Gregory K. Martin '79, Conway

Daniel E. Taylor M '80, Greer

Charles W. Hester '81, Charleston

Yuhei Sakurada '83, Toyama, Japan



Marian Shaeffer Christopherson M '84, Easley

Steven W. Selig '84, Easley

Willoughby Greer Cheney III M '86, Belmont, Mass.

Wayne D. Roberts '93, Mars Hill, N.C.

Steve R. Kernodle M '95, Greer

Shannon Reynolds Dodd M '98, Raleigh, N.C.

Alex N. Yearick '00, Mount Pleasant

April Lane Cook '05, Charlotte, N.C.

Adam F. Trapasso '07, Greenville

Roger Paul DuBois, Greenville, graduate student

Stephen Joseph Phillips, Simpsonville, sophomore

FACULTY AND STAFF

James W. Barnhill, Greenville, history professor emeritus

Dannella V. Hillian, Ruby, former Extension agent

Jacob J. Janzen, Clemson, dairy science professor emeritus

Melissa Hawkins Marcus, West Union, human resources staff member

Sharon Meares Miller, Seneca, former student services program coordinator

Celeste Orr Prince, Clemson, wife of former Clemson President Philip Prince and Clemson first lady from 1994 to 1995. Memorials may be made to the Philip H. and Celeste O. Prince Scholarship Fund, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Harriett Sausser, Anderson, guest services manager at Martin Inn

CLEMSON MEMORIALS

Family, friends and former classmates may choose to remember a loved one by supporting Clemson. To find out how to establish a memorial in someone's honor, please contact Ann Smith at annsmit@clemson.edu or (864) 656-5895.

Managing the arts in Atlanta

Cara Allen '06

Cara Allen's telephone rings off the hook. As the assistant box office manager for Atlanta's Cobb Energy Centre for the Performing Arts, she's constantly answering calls about the area's hottest and most popular performances including the Atlanta Opera, Broadway Series, Ballet and other high profile shows.



Allen is the central contact for founding patrons and corporate supporters. She also manages a staff of 12 part-time box office employees and runs daily and weekly ticketing reports.

A graduate of production studies in performing arts, Allen added to her education by working at Clemson's Brooks Center

for the Performing Arts. She says, "My time at Clemson was an excellent training opportunity."



Winter 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 taping your address information from the back cover in the space below so that we can delete it from our list.

Address changed? Please tape your old address information from the back cover in the space below and write in your new address.

Has anything new happened to you?

Use the space below for your name, year of graduation, major, and town and state.

Name (Please include maiden name.)

Year of Graduation Major

Town and State

Comments: (Please specify which subject.) General comments ☐ Address information ☐ Class notes ☐ Other ☐

Send your news by FAX to (864) 656-5004 or by email to sleigh@clemson.edu.

Or tear along perforated lines and mail your news to *Clemson World*, 114 Daniel Drive, Clemson, SC 29631-1520.

You can also update your information online at www.clemson.edu/alumni/updates.html.

Neal A. '86 and Karen Albright '87 Johnson, a daughter, Layla Rhea, April 22, 2007.

Gina Malusa Barrios '88, a daughter, Jessica Ann, June 2, 2008.

Rob S. Chester '89, a son, Andrew Robert, June 10, 2008.

Marshall A. Bailes Jr. '90, a son, Douglas Marshall, Oct. 7, 2005.

Rick L. Carrillo '90, a daughter, Isabel Fiona, April 7, 2008.

Lana L. DuRant '90, a daughter, Madeline Ann Juritsch, March 4, 2008.

A. Clinton Greene III '90, a son, A. Clinton IV, Oct. 12, 2006.

Regina Reese Monaghan '90, a son, Ryan David, Aug. 12, 2008.

Brett M. Villiger '90, M '06, a daughter, Katherine Hutson, May 16, 2008.

P. Fernandez West '90, a daughter, Chloe Simone, March 12, 2008.

Ansley Hester '91, M '95 and Vernon Charles '91 Manuel, adopted a daughter on July 14, 2008, Alina Beverly, born July 28, 1998.

Scott E. '91 and Beth Sugg '93 McNew, a son, Declan Edward, Feb. 26, 2008.

Joe L. Miley '91, a daughter, Caroline Faith, Sept. 24, 2006, great-granddaughter of **Joe P. Miley '31**.

Kevin E. Taylor '91, a daughter, Catherine Caras, Aug. 30, 2007.

Bridget Davis '92, M '96 and Mark E. '95 Benjamin, a son, Blake Everett, Feb. 7, 2008.

Kerriann Dietz Barrows '93, a daughter, Ellison Grace, May 18, 2008.

David Craig Boozer '93, a daughter, Bentley Helen, June 9, 2008.

David J. Graham '93, a daughter, Sophia Marie, July 25, 2007.

Brian J. '93 and Joy Thames '95 Harvill, a son, Joshua Henry, July 25, 2008.

Larissa Heimlich '93, M '07 and Christopher W. '03 Hepler, a daughter, Sophia Englander, Sept. 24, 2008.

Emmy Senn Matson '93, a son, Carsten William, Dec. 4, 2007.

Christopher V. Parrish '93, a daughter, Bella Elizabeth, May 8, 2008.

Tisha Renee Thompson '93, a daughter, Presley Jayne, Feb. 12, 2008.

L. Robert Wood III '93, M '01, a son, Samuel Matthew, July 6, 2008.

Greg C. and Kim Shoemaker Youngmans '93, a son, Harris Alexander, June 18, 2008.

Tim N. M. '94 and Jenny Miley '96 Heichelbech, a daughter, Ella Kate, May 22, 2008, granddaughter of **Dick E. Miley '67**.

Robert T. '94 and Gina Brown '95 Merritt, a son, David Ryan, May 14, 2007.

Jason L. Poston '94, a daughter, Laney Elise, Oct. 17, 2007.

Andrew M. Thorne '94, twins, Michael Alton and Mary Ellen, Sept. 30, 2007, grandchildren of **Michael D. Thorne '70**.

Tanya Crain '95, M '96 and Terry R. M '97 McCormick, triplets, Cullen Rae, Brayden William and Caitlyn Anne, March 27, 2008.

Anna Thomas McArthur '95, adopted twin daughters on April 12, 2008, Kathryn Grace and Elizabeth Rose, born March 12, 2008.

J. Tyler and Kristi Derikart Bowers '96, a son, Mason Thomas, March 21, 2008.

Kelly Rhodes Cushman '96, a daughter, Olivia McLendon, July 19, 2008, granddaughter of **Danny L. Rhodes '68**.

Jonathan T. and Michele Bruorton Frazier '96, a daughter, Rylie Barrick, Nov. 28, 2007.

Adam J. and Shely Stice Landrum '96, a son, Douglas Scott, March 21, 2006, and a daughter, Megan Noelle, Feb. 23, 2008.



Silas B. Lewis '96, a daughter, Haisley Louise, July 15, 2008.

Jennifer Hatchell '97, M '01 and J. Matt '02 Barrington, a daughter, Catherine Elizabeth, Oct. 2, 2008.

Brad R. and Anitra Turner Mitchell '97, a son, Turner Bradley, July 11, 2008.

Jana Widder '97 and Kris K. '98 Blakeney, a daughter, Sally Ann, June 25, 2008.

Thomas F. Buie '97, a son, Malcolm Hale, Feb. 27, 2008.

Jason C. '97 and Kimberly Thomas '98 Dillon, a daughter, Emily Grace, Sept. 5, 2007.

Jill Northway Harris '97, a daughter, Morgan Jenna, July 3, 2008.

Ian M. Saunders '97, a daughter, Georgia Sullivan, April 25, 2008.

Joel C. '97 and Nicole DiCicco '98 Torielli, twin sons, Dante Andrew and Carlo Joseph, March 15, 2008.

Jason T. Williams '97, a son, Rhys Taylor, Aug. 1, 2008.

Andrea Johnston Maas '98, a son, Cullen Thomas, July 23, 2008.

Jenny Chapman and Scott A. Phillips '98, a son, Carter Reed, June 21, 2008.

Andrea Pandeloglou Smolin '98, a son, Alexander Bryson, Sept. 16, 2007.

Kip W. Terry '98, a son, Thomas Walker, Feb. 22, 2008.

Brian Lee and Meredith Clark Culley '99, two daughters, Anna Elizabeth, June 6, 2006, and Caroline Lee, July 11, 2008.

Kyle R. and Rebekah Wales Green '99, a son, Jackson Kyle, Dec. 30, 2007.

Bryan J. and Jill Blocher Hoffman '99, a daughter, Ansley Rae, March 25, 2006, and a son, Trevor Joseph, July 5, 2008.

Terry A. Kingsmore Jr. '99, a daughter, Keira Mayrene, July 19, 2008.

Jennifer Bolen McNaughton '99, a son, Griffin Sloan, April 20, 2008, grandson of **George F. Bolen Jr. '69**.

Brian G. '99 and Margaret Craig '02 Nickerson, a son, Andrew, April 26, 2007.

Kerry McDonald Oswald '99, a daughter, Juliana Eva, June 15, 2008.

Russell B. Randles '99, a daughter, Cadence Lael, July 28, 2008.

Julie Hay Saylor '99, a daughter, Finley Jane, Jan. 18, 2008.

Anne Adams Shell '99, a daughter, Margaret Anne, Oct. 8, 2008.

Jennifer Covington and J. Phillip Breland '00, a son, Charles Glenwood, Dec. 6, 2007.



Claire Richardson Robinson '00, a son, John Howard, April 13, 2008, grandson of **Fred L. Richardson '62**.

Jordan K. Thompson '00, a son, Eli Kerby, Jan. 26, 2008.

Heather Breedlove Williams '00, a daughter, Riley Ann, Aug. 15, 2008, granddaughter of **C. Steve Lee '72**.

Heidi Eichinger Holder '01, M '03, a son, William Darrow, March 14, 2008.

Joseph E. '01, M '06 and **Brittany Hasto '04, M '05 Law**, a daughter, Vivian Cathleen, Sept. 15, 2008.

Emily Figart Loftis '01, a son, William Watson, May 2, 2008.

Leigh Ann Buchanan and **Matthew J. Miller '01**, a daughter, Kaelyn Rose, Aug. 27, 2007.

Laura Allen '01 and **Stephen E. '02 Oliver**, a daughter, Jacqueline Marie, March 25, 2008.

James R. Patterson '01, a daughter, Jiana Marie, Sept. 20, 2008.

David J. '01 and **Becky Graham '04 Snider**, a daughter, Gretchen Nicole, Aug. 6, 2007.

Brian A. Tye '01, a daughter, Kennedy Elizabeth, July 21, 2007.

Mary Anderson-Lowery '02, a son, Jonah Thomas, Sept. 30, 2005.

Christopher E. '02 and **Ashley Stamps '04 Fortenberry**, twins, Lillian Rose and Jackson Eugene, Aug. 25, 2008.

Leslie Geer Quick '02, a son, Hudson Geer, Aug. 5, 2008.

Katie Glassmoyer '02 and **C. Tyler '03 Rogers**, a son, Grae Alexander, Feb. 14, 2008.

Jessica Owens and **Robert H. Slater '02**, a daughter, Mae Elizabeth, Dec. 16, 2007, great-granddaughter of **Carl H. Clawson '42**.

Erin Golden and **Matthew T. Smith '02**, a son, Cullen Matthew, March 21, 2008.

Hailey Ahlfinger '03, M '06 and **Matthew J. '03 Herleman**, a son, Blaise Camden, Feb. 27, 2008.

Carissa Hood-Pope '03, a son, James Russell IV, March 5, 2008.

Tonya Gaines '03 and **Benjamin R. '04 Johnson**, a son, Tyler Benjamin, April 24, 2008, grandson of **Stan R. Gaines '80**, and great-grandson of **Rodgers O. Gaines '55**.

Leigh Berry Mills '03, a son, Logan Wayne, Sept. 10, 2008.

Hannah Keese Watson '03, a son, Cullen Michael, May 12, 2008, grandson of **Laura Welsh Keese '73, M '78**.

Brandy Jarvis Wurst '03, a daughter, Ivey Elizabeth, March 31, 2008.

Nicole Talley Bloedow '04, a son, Coby Lee, March 5, 2008.

Kevin G. Gilstrap '06, a son, Tillman Grant, June 24, 2008.

Heather McCrea Andrews '07, a daughter, Chloe Ryan, Jan. 16, 2008.

Save a tree —
Don't waste paper!
Print only what
you need.



www.clemson.edu/solidgreen



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

1. Germany

John C. "Hank" '55 and Coe Hankinson with Clemson supporters *Renee and *Don Bennet in Durnstein



2. Russia

Jacky and James Bullock '58 at the Peterhof Palace in St. Petersburg



3. Hungary

*Alan Elmore '60 and Fort Hill Presbyterian Church friends at Heroes' Square in Budapest



4. Turkey

Gina Collins Wilkie '92 and Larry Collins '63 in Ephesus



5. Iceland

Charles C. "Chick" and Linda Driggers Williams '63 at the Langjokull Glacier



6. Ukraine

Ronnie Bullock '67 in front of the Chernobyl Museum in Kiev



7. French Polynesia

Larry Noble '68 at Cook's Bay, Moorea, one of the Society Islands



8. Afghanistan

*David Wilkins '68, U.S. ambassador to Canada and Clemson trustee, in Afghanistan with S.C. National Guard members James L. Martin '93, Wyman Gleaton, Amanda Kane '03, Dennis A. Smith, Dexter Welch and Jack Day



9. Alaska

*Dwight Stewart '70, David Foil '81, Pat Lee '76, Mark Kays '81, Randy Pritchard '74, Rob Drummond '79, Kirk Bell '74 and Tom Henderson '70 in Anchorage



10. Italy

Jim Young '70, Marsi Cyphers Tripi '04, Mary Kate '03 and Steven '06 Tripi, and Jake Postle '03 in Pienza



11. Istanbul, Turkey

John (professor emeritus) and Vicki Phillips M '72, PhD '99 Kenelly at the Blue Mosque in Istanbul on their way to the International Mathematics Olympiad



12.



17.



12. Alaska

The Kirkpatricks — Joyce, Cameron '05, William '72 and Bonnie (Clemson student) — in front of two volcanoes

13. Alps

John '73 and Becky Reinovsky '74 Tomsyck with Jeannie Reinovsky '76 and Charley '74 Wray on Zugspitze

14. Scotland

Creighton Kelly '75 at the Old Course in St. Andrews

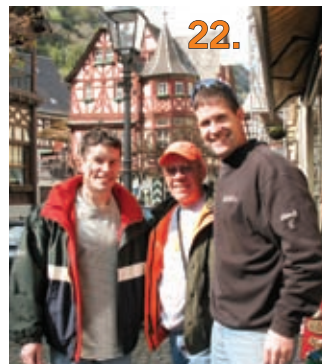
13.



18.



22.



15. Honduras

Scott Hilborn '77 with new friends while on a mission trip

16. Africa

George '77 and Ann Hyams in the Serengeti between Tanzania and Kenya

17. Hawaii

Nancy '77 and Cal Waters '79 atop Diamond Head in Honolulu

14.



19.



18. Egypt

Charles Layson '81 at the Pyramids

19. Jerusalem

Doug Kaufman '82 with Kaitlyn and Barb atop the Mount of Olives

20. Antarctica

Dan Haight '85 and Patricia Shafer at the completion of a cold marathon

21. Mount Rushmore

The Banks — Ken '87, Cheryl '90, Harris and Cooper — during a National Parks tour

22. Germany

Michael Gleaton '88 and Nelson Johnson '87 with another Clemson fan in Bacharach

15.



20.



21.



16.



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

23. Greece

Suzanna Fulton Campbell '88 and **Hayden** show Tiger spirit at the volcano near Santorini



24. Grand Canyon

***Libby Neil M '88** and **Jenna Neil McCall '04** on the South Rim, Grand Canyon National Park



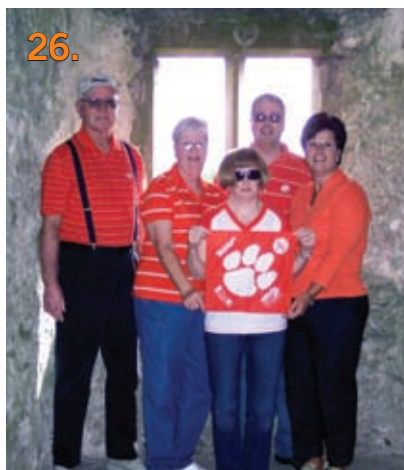
25. Ukraine

***Kyle Corbett '89** in front of the Motherland Statue in Kiev



26. Ireland

Fred and Cecile Sprouse, Jackie Jennings, Scott Sprouse '89, M '91 and Patty Byars at Blarney Castle near Cork



27. Alaska

***Cindy Woods '90** in front of Margerie Glacier in Glacier Bay



28. Bay Hill Classic

Chuck Hiott '93 with **Arnold Palmer** and **Chet Harris** at Palmer's Bay Hill Classic in Orlando, Fla.



29. Alaska

Chip Reeves, Jamie '95 and Gretchen Reeves, *Kim Reeves '91 and Jim Devine in Ketchikan



30. Dubai

Ami Jackson '96 in front of the Burj Al Arab hotel in the U.A.E.



31. Romania

Wade Lambert M '97 at Bran Castle (Count Dracula's home) in Transylvania



32. Grand Cayman Island

Sarina Kay '01 and Kristofer '08 Sinclair, swimming with the stingrays



33. Finland

Kate Rauscher Davis '02 and Paula Rauscher in front of Olavinlinna Castle in Savonlinna





34.



38.



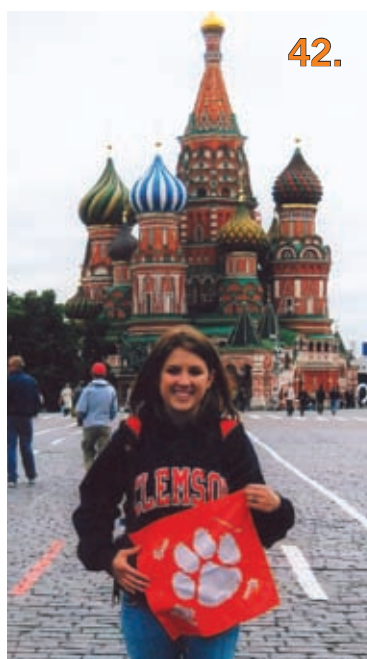
41.



35.



39.



42.



36.



40.



37.



43.

34. U.S. Virgin Islands

Anna Raffaele '05 and Jill Templeton '05 in St. Croix

35. Belize

Anthony '05 and Becky Smith '07 Salvatore at the Mayan ruins in Belize

36. Japan

Alan Maglione '06 in front of the Shuri Castle in Okinawa

37. Afghanistan

Travis Yates '06, working for an aid and development organization in Kholm (The gun belongs to his guard.)

38. Scotland

Jason Reppert M '07 in front of Edinburgh Castle

39. Up in the air

John Segars '07 following his proposal to Jennifer Carney '07 in a hot air balloon (She said yes!)

40. Turkey

*Darren Ph.D. '08 (communication studies lecturer) and *Claiborne Linvill (S.C. Botanical Gardens marketing director) at sea off the Datca Peninsula

41. Prague

Devin (graduate student) and Sarah Morris (CCIT employee) on the Charles Bridge over the Vltava River

42. Russia

Student Carrie Ross in front of St. Basil's Cathedral in Moscow

43. Bahamas

These Clemson alumni, students and friends celebrated several birthdays Clemson-style in the Bahamas

Missing your traveler photo?

Thanks to your extraordinary travels and willingness to share photos, we've increased our Clemson World Travelers space. But we still had to hold some photos for a future issue. Please be patient and keep sending them. We hope to create a new online Clemson World Travelers site soon for faster posting. Remember to send clear, high-resolution shots to Sallie Leigh at sleigh@clemson.edu.

The *ring's* the thing!

More than 200 students received their rings personally from President Jim Barker during the fall Clemson Ring Ceremony in the Owen Pavilion while more than 400 guests shared the moment. **The semiannual ring ceremony, sponsored by the Alumni Association, is a fast-growing tradition of the Clemson Family.**



University historian Jerry Reel explained the history of the ring, and alumnus and English professor emeritus Ben Skardon '38 shared a story of fellow soldiers' heroism that centered on the ring.

For more on the Clemson Ring Ceremony, contact Stewart Summers at ssummer@clemson.edu or (864) 656-5653.

Go Tigers!

The Columbia Young Alumni Club roasted oysters and shared Clemson stories last fall. For more on the Young Alumni Council, contact Elizabeth Milhous at milhous3@clemson.edu or (864) 656-5669.



Did you miss Homecoming?

If you couldn't get here for homecoming last fall, click on this video — clemsonuniversity.tv/alumni/homecoming08.html — narrated by Jane Robelot '82, for a look at all things Orange.



For service and sacrifice

Clemson's Army and Air Force ROTC, in collaboration with the Clemson Corps, the athletic department and Tiger Band, sponsored Military Appreciation Day during the Clemson vs. Citadel football game.

The annual event recognizes men and women currently serving in the Armed Forces and all military veterans — to celebrate their service and to honor their sacrifice. For more on the Clemson Corps (a special interest group in the Alumni Association), go to www.clemson.edu/alumni and click on Special Groups or contact Sandy Edge '72 at sedge@clemson.edu or (864) 656-3761.



CAFLS Tailgate

The College of Agriculture, Forestry and Life Sciences (CAFLS) celebrated its 16th Annual CAFLS Alumni Tailgate. **Nearly 1,700 alumni, college and high school students, and friends descended on Fike Recreation Center for fellowship, food and fun before watching the game.** The tailgate featured the National Collegiate FFA Red, White and FOREVER Blue tour promoting the importance of agricultural education to all who attended. For more on CAFLS, go to www.clemson.edu/cafls/alumni.



Alumni student leaders

New Student Alumni Council (SAC) executive members are from left Ross Langley, Stephen Powell, Frances Mann, Caroline Trammell, Hunter Wilson and Tripp Shealy.

SAC is the governing body of Student Alumni Association (SAA). Along with the Alumni Association, it sponsors Welcome Back Festival each August, helps select Alumni Master Teacher and gives guidance to SAA throughout the year.



SAA is a great way for students to become aware of Clemson Alumni Association services, make meaningful connections and enjoy the University experience even more as a student. Members sponsor the annual Senior Picnic and help shape other Clemson traditions such as Big Thursday, Ring Ceremony and Senior Gift. They also serve the community and attend etiquette dinners and professional development workshops.

For more information, contact Stewart Summers at ssummer@clemson.edu or (864) 656-5653.



Bring Your Daughter

The Women's Alumni Council 11th annual Bring Your Daughter to Clemson weekend is set for May 15-17. The event offers an on-campus opportunity for alumni and friends to return to campus with a daughter, niece or friend to stay on campus, interact with outstanding professors, eat in the dining hall, meet coaches and the Tiger mascot, rub Howard's Rock and run down the Hill at Death Valley.

Registration opens on April 1 at alumni.clemson.edu/women and is limited to the first 200 registrants. Fathers and other friends of Clemson are welcome and encouraged to attend with their daughters. For more information, contact Heather Byrd at hbyrd99@alumni.clemson.edu.



Pack your Tiger Rag!

PASSPORT Travel, the Alumni Association's travel program, has a wealth of exciting trips for 2009 including China and the Yangtze River, the Baltic Sea and Norwegian Fjords, Scandinavia, Europe, Alaska, Ireland and the Mediterranean.

For more information, go to cualumni.clemson.edu/travel or contact Randy Boatwright at brandol@clemson.edu or (864) 656-5671.

The 2008-09 Clemson Alumni Association Board

Leslie D. Callison '81, president
Lexington, lesca159@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

James Bostic '69, PhD '72, IPTAY
Atlanta, Ga., bostic_j@bellsouth.net

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

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

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

Rick Griffin
Beaufort, dwtwnmarina@islc.net

J. Les Heaton Jr. '74
Kingsport, Tenn., les.heaton@wachoviasec.com

Alex "Bud" Hicklin III '85
Clemson, ohicklin@alumni.clemson.edu

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

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

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

Stephen S. McCrory '68
Rock Hill, smccrory@scottstringfellow.com

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

Curtis H. Plyler '93
Raleigh, N.C., cplyler@nc.rr.com

Greg Youngmans '93
Camden, gyoungmans@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

Mark your calendar for Reunion 2009

The 2009 Clemson Alumni Reunion is set for June 11-13 to celebrate the golden anniversary of the Class of 1959 and other reunioneing classes. For more information, call the Alumni Center at (864) 656-2345 or go to cualumni.clemson.edu/reunions.



Nashville Club making a difference

ACC vs. SEC Alumni Golf Tournament

Thanks to amazing participation from Tiger alumni all over, the ACC established its dominance over the SEC and raised more than \$32,000 for charity in the Nashville area. The showdown was at the second ACC vs. SEC Alumni Golf Tournament to Benefit CASA Inc. of Nashville: Presented by AT&T, directed by **Evan Vutsinas '79, M '82 of the Nashville Clemson Club.**

Last fall, 144 golfers filled the General's Retreat Course at the Hermitage Golf Club in Nashville to help raise funds to train CASA (Court Appointed Special Advocates for Children) volunteers who advocate for abused and neglected children identified by the juvenile court within Davidson County, Tenn.



Two years ago, the Nashville Clemson Club conceived the idea of having local alumni clubs band together to work for charity. Clemson alumni volunteers contacted

all 24 ACC and SEC alumni clubs in the area to form the Nashville ACC-SEC Leadership Council. Just in its second year, the group's golf tournament raised more than \$32,000 for CASA!

Tiger alumni contributed in many ways. **Gregg Morton '78** placed the financial support and confidence of AT&T behind the event as the "presenting sponsor." He helped find other sponsors and competed in a Clemson foursome with club vice president **Don Harris '67, Bob Harris '58** (Harris Marine of Seneca) and

Tom Bratcher '99 (Palladian Custom Homes of Brentwood, Tenn.).

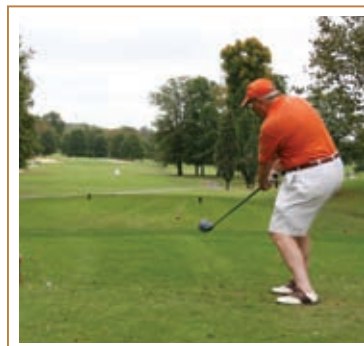
Thanks to **Frank Kapp '93**, national sales manager of CAO International Cigars in D.C., CAO became a "gold sponsor." He joined another Clemson foursome with **David Clemens '96, Jonathan Malphrus '06** and **Brandon Booth '06.**

Andrew Chelton '04, sales manager of the AAA Nashville Sounds baseball team, arranged a generous donation that established the Sounds as a "silver sponsor." **Matt Taylor '88**, founder of Studio 8 Design architects, was the exclusive sponsor of the "longest drive" competition. **The Clemson Alumni Association** and **Bret Foster '85** (Granite Transformations in Nashville) were among the "18 hole sponsors."

Young Alumni president **Zach Harris '03** was captain of a Clemson foursome with **Randy Kroll** (dad of twin Tiger swimmers), **Allen Babb '79** (from Huntsville, Ala.) and Clemson Alumni Association director of outreach **Reed Cole '07.**

The final Clemson foursome included club treasurer **Charles Cooper '83, Rick Hudson '82, Rick Carter '84** and **Mike Grumbles '93.**

Many other Nashville Clemson Club members donated time and energy to make the event successful. Plans are already under way for next year's tournament scheduled for Oct. 12, 2009. For more information, go to www.accsec-golf4casa.org.



Your Clemson Club

The Clemson Club network provides a great way for folks to gather and share their Clemson experiences with one another no matter the location. Currently we have over 50 Clemson Clubs across the country. To learn more about the Clemson Club network, contact Reed Cole at rcole@clemson.edu or (864) 656-2345.

You can make the **CLEMSON EXPERIENCE** accessible to those who wish to realize their potential.

Clemson is attracting some of the country's finest students like Chaz, Katie and Brittney. But we need your help if we're going to continue to recruit, nurture and retain top students in the new economic environment.



Chaz Tillman

"Scholarship support has changed my life and given me opportunities that I never thought were possible. Without scholarships, Clemson would not have been an option."

- Communication studies senior
- Scholarships: LIFE, ScanSource and Harvey B. Gantt
- Career Goal: educational counselor

Katie Queen

"The Trustee Scholarship will allow me to study abroad next summer, broadening my Clemson experience and making my Clemson degree more valuable."

- Food science junior
- Scholarships: Trustee and Palmetto Fellows
- Career Goal: food journalist

Brittney Kirkland

"I'm very grateful for the scholarships I've received. They not only help fund my college education but also recognize my hard work in the classroom."

- Marketing sophomore
- Scholarships: LIFE and Aiken County Clemson Club
- Career Goal: pharmaceutical sales representative

Your gift to the Clemson Fund for academic scholarships will make a Clemson education possible for worthy, driven students — those individuals who will go on to become the future work force and leaders of our great nation.

Use the enclosed envelope, call (864) 656-5896
or go to www.clemson.edu/isupportcu.



CLEMSON FUND
Your annual gift makes a difference.

KEOWEE MOUNTAIN



Affordable Luxury Living

888.4KEOWEE - KeoweeMountain.com

Located on Hwy. 133, 20 minutes from Clemson

Finally... A private luxury community you can afford. Introducing Keowee Mountain. Residents enjoy lake access and majestic mountain views surrounded by pristine forests. Our new EarthCraft™ Certified Mountaintop Cottages are now under construction. With prices that begin in the \$270's – there's never been a better time to buy.

Give us a call today to find out more.
888.4KEOWEE

EarthCraft Certified Cottages
by Meritus Signature Homes



When students live on campus, they are more than just a lease.

All campus amenities and academic resources are within a short walk. Safety and security are our No. 1 priority, and the off-campus worries can be forgotten.

CLEMSON
HOME

University Housing
200 Mell Hall
Box 344075
Clemson, SC 29634-4075
(864) 656-2295
Fax: (864) 656-7615



WWW.CLEMSON.EDU/HOUSING

A Clemson giant

Robert Cook Edwards, 1914-2008

R.C. Edwards — Clemson's longest-serving president — led Clemson through the transition from a small, all-male military college to a major coeducational, integrated university. He presided over an era of enormous, much-needed change with strong, steady and visionary leadership.



R.C. Edwards (left) with other former Clemson Presidents Max Lennon, Walter Cox, Phil Prince and Deno Curris.

A native of Fountain Inn, Edwards entered Clemson College as a freshman at age 15 and graduated in 1933 with a degree in textile engineering.

After a successful career in the textile industry, he returned to Clemson in 1956 with his beloved wife, Louise, as the University's first vice president for development. He became acting president in 1958 after the death of President Robert F. Poole and was elected president by the trustees in 1959.

He was a take-charge businessman and skilled negotiator who shared a special bond with

students. His love of Clemson sports was legendary, having served as the football team manager as a student and IPTAY president during 1954-55. He missed only one of the 242 football games Clemson played during his presidency.

(One of his final tributes to the Tigers was giving them a thumbs-up from his ambulance gurney when he went to see the team the Friday before the 2008 Clemson vs. Carolina game!)

At his retirement in 1979, Edwards had personally awarded 28,750 diplomas, which represented more than 70 percent of all undergraduate degrees and all the doctorates awarded in Clemson's history to date.

Some of the highlights of his tenure:

- Led the fight to protect Clemson from the Hartwell Dam Project
- Continued the transition from military to civilian school and from all-male to coeducational
- Guided Clemson from college to university status
- Advocated and managed integration without violence
- Oversaw the addition of key campus facilities — Cooper Library, Strode Tower and Daniel, Redfern Student Health Center, Rhodes Engineering Center, Littlejohn Coliseum and numerous dormitories

Edwards and his first lady were a strong presence on campus and in the community.

In the words of President Jim Barker: **"R.C. Edwards was a giant in the history of Clemson University. No president will ever surpass his dedicated service to his alma mater nor his impact on all aspects of life at Clemson."**



Lee Hall Courtyard

Private gifts help Lee Hall expand

Rudolph E. Lee Hall, home of design and building disciplines in Clemson's College of Architecture, Arts and Humanities, is getting some much-needed elbow room thanks to private support.

Lee Hall was completed in 1958 and expanded in 1975. The academic disciplines taught there use a lot of space because most of the courses are conducted in studios. They include architecture, art, planning and landscape architecture, construction science and management and a master's degree program in real estate development.

"Lack of adequate space has been cited as a critical need each time an accrediting team visits our campus," says Chip Egan, interim dean of the college.

A \$250,000 gift from two alumni brothers in Atlanta will help provide some badly needed space in Lee Hall. Dan Pattillo '80, president of Rooker Real Estate, and his wife, Joan, as well as David Pattillo '82, president of Podo Technology, and his wife, Paige, have pledged the gift to help build an extension to Lee Hall.

Charlotte architect Harvey Gantt '65 made preliminary design studies, and the S.C. Budget & Control Board approved the next step: a design phase undertaken by Pazdan-Smith Group Architects of Greenville in association with Thomas Phifer and Partners of New York. The expansion and renovations to the existing part of Lee Hall are predicted to cost \$31 million, primarily funded through private contributions.

"We're happy that we can take a leadership role in tackling this need at Clemson," Dan Pattillo says. "Lee Hall is not just a building that has served us well for 50 years. It's home to some of Clemson's most exciting academic work."

Lee Hall's original structure, which recently turned 50, is being added to the National Register of Historic Places. So is the civil engineering wing of the original structure, Lowry Hall.

The original structure consisted of three building elements and two courtyards. The modernist design has remained largely unchanged, particularly on the outside. Additions to the building came later and were placed to the south of Lee Hall. To support the Lee Hall renovation, contact LeRoy Adams at ladams@clemson.edu or (864) 656-0445.

Halls support engineering and science

Harry T. "IV" Hall IV '92 and Susan Haseltine Hall '94 are creating two endowed funds in bioengineering and microbiology.

One will be the Harry T. Hall IV '92 and Susan A. Hall '94 Unrestricted Endowment for Excellence in Bioengineering. This endowment will provide unrestricted support for the bioengineering department.

IV Hall, a ceramic engineering graduate, works for Synthes USA, a bioengineering firm for prosthetic joints. He was instrumental in Clemson's securing the Hansjorg Wyss Endowed Chair for Regenerative Medicine: Biomaterials and Implant Design. His wife, Susan, is a health sciences graduate.

The second will be the Robert Keller Hall '80 Memorial Endowment Fund in honor and memory of IV's uncle Robert Keller Hall, who died in August 2008. The endowment fund will provide support for the University's microbiology department. Robert K. Hall was a Clemson microbiology graduate and a Vanderbilt professor.



Susan and IV Hall

For more information about supporting the University through endowments and other planned giving, please contact JoVanna King, Office for Development, Clemson University, PO Box 1889, Clemson, SC 29633-1889 or call (864) 656-0663 or 1-800-699-9153 or email jovanna@clemson.edu.



Benefactors Keith and Risse Snelgrove with band director Mark Spede at the new rehearsal tower

Tiger Band gets new tower, scholarship fund

The generosity of a former Tiger Band member has provided the Clemson University Marching Band with a new 41-foot-tall rehearsal tower manufactured by Educational Steel Products. Standing twice the height of the previous tower, the new tower is made of galvanized steel and has electrical connections for loud speakers, video cameras and laptop computers.

The tower is a gift from Keith Snelgrove '77, a former Tiger Band commander and trumpeter, and his wife, Risse. It's dedicated to Larry '74 and Cindy Sloan, and Tony '76 and Debbie '75 Stapleton for their tireless work and dedication to the Clemson University Tiger Band Association (CUTBA).

The Snelgroves' commitment will also establish an endowed

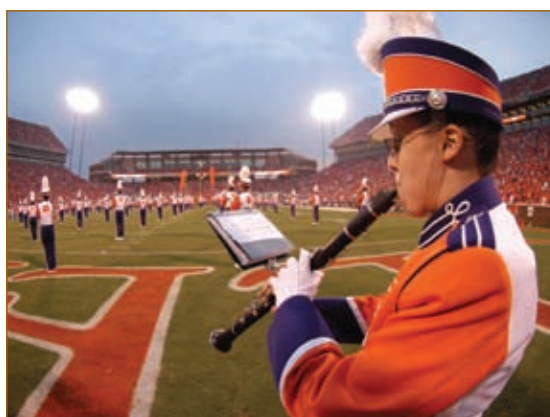
scholarship through CUTBA. The scholarship, which will benefit a Tiger Band trumpet player, will be named in honor of Johnny Helms, Keith's high school marching band director.

CUTBA's Tiger Band Commitment — from alumni, parents and other donors — has raised \$2,307,000 in cash and deferred gifts!

"Today, getting the best and brightest student musicians is highly competitive," says Mark Spede, Clemson's director of bands. "The scholarship program makes recruiting these highly sought-after students a bit easier."

Currently, 10 to 15 students receive aid from CUTBA each year. CUTBA is working with the Clemson University Foundation to increase the number of band students who will benefit. The foundation assists individuals interested in donating cash, property, stocks, bonds or deferred commitments. Also, various naming opportunities and other capital projects are available.

For more information on CUTBA and ways to support Tiger Band, contact the band office at (864) 656-3380 or the Clemson University Foundation at (864) 656-1655.



Wolseley honors alumnus, benefits students

A \$150,000 gift from Wolseley NA to Clemson's Michelin® Career Center will honor Clemson alumnus David Peebles '49 with the naming of the David Peebles Room in the Hendrix Student Center.

Peebles, an economics graduate, was the second president of Ferguson Enterprises, an operating company in Wolseley's North America Division. The David Peebles Room, on the second floor of the Hendrix Student Center, is a multipurpose room used for meetings, student activities, receptions and special events.

The gift will be used to maintain and enhance programs that the Michelin Career Center offers to students and corporate recruiters. Wolseley also will be recognized with the naming of the Wolseley Interview Room in the center.

"David has left an immeasurable legacy to Ferguson, and it is only fitting that we honor him with a legacy to Clemson students," says John Stegeman, president and CEO of Ferguson. "By investing in the future of students, there is no doubt that Clemson will produce more great business minds like David Peebles."

Under Peebles' leadership, Ferguson grew to be an industry leader by idealizing the American dream of owning and operating a business. A scholarship endowment also bears his name: the Peebles Endowment Fund.



I'm a MEDEVAC Black Hawk pilot. I'm with the 2nd Infantry Division attached to the 101st Airborne in Afghanistan.

I came to Clemson in a roundabout way. I graduated from The Citadel in the 1990s and enrolled at Clemson in the early 2000s in engineering. Military service interrupted my studies but not my love of Clemson.

Before I became a pilot, I served in Iraq as a first lieutenant. Our job was to build, train and employ Iraqi Security Forces combined with U.S. and Coalition troops during the first Iraqi elections and the overall security of Baghdad.



Franklin Wallace

There, I used Tiger Paw reflection stickers as a marker (for me) under night-vision goggles so I could easily identify the good guys from the bad guys during the first Iraqi elections.

When I got the opportunity to become a Black Hawk pilot, I gave up my commission to chief warrant officer in order to fly.

Early in 2008, I was stationed in Korea, where I planned to take part in the annual "ruck march," a memorial to the brave men who were part of the 1942 Bataan Death March. I wanted something special to take with me.

Back at Clemson, Brig. Gen. (ret) Hap Carr '60 came up with a Tiger Paw flag. Before he sent it to me, he had Bataan Death March survivor Col. Ben Skardon '38 sign it. He also had it signed by some other members of the Clemson Corps and Tiger Brotherhood including President Barker.

Before the annual march took place, I was transferred to Afghanistan. So I took the flag with me. I carried it on all my missions in Afghanistan folded up next to the American flag in my cockpit window.

Last fall, I decided to share the flag with my buddy

Tony in Iraq [Cpt. Tony Mayne '05, assistant operations officer, Task Force 2-6 Infantry, COP Carver, Salman Pak]. He signed it and has since mailed it back to Hap Carr to keep for the Tiger Brotherhood.

Clemson's spirit has influenced Tony and me as it has other people over the years. Whether it's being on campus or watching the Clemson-Carolina game on TV from Afghanistan, we can enjoy a kindred spirit with the Clemson Family.

If I can't be at Clemson or around people who display the values that make it great, then maybe I can bring the Clemson values and influence to the people around me.

I'm Franklin Wallace and this is my Clemson.



Tony Mayne

we're behind you

2000%



Clemson Alumni Association
109 Daniel Drive
Clemson, SC 29631-3006

Parents:

*If this is addressed to your son or daughter
who no longer lives at this address,
please notify us of the new address
by calling 1-800-313-6517.*

Nonprofit
Organization
U.S. Postage
PAID
Clemson University

Honoring Our Fallen Heroes — Preparing Tomorrow's Leaders

The Clemson Corps thanks all who have joined their cause to help preserve and honor Clemson's military heritage through two major initiatives.

- **The Scroll of Honor** being erected near Memorial Stadium recognizes the 472 Clemson alumni who made the ultimate sacrifice in service to our country. Fundraising for design and construction of Memorial Plaza has been a success. Your continued support is needed to link the plaza to the stadium.
- **Clemson Corps Scholarships** allow our Army and Air Force ROTC units to compete for the finest students this nation has to offer. Since the endowment was established in 1999, 412 ROTC cadets have received scholarships. Your continued support can help make a Clemson education possible for more deserving cadets.

Please use the envelope in this magazine, or make a secure online contribution at www.clemson.edu/isupportcu. Specify that your gift is for Clemson Corps Scholarships or the Clemson Scroll of Honor.



www.clemson.edu/alumni

Research Report

| Engineers w/o Borders

| Emerging Scholars

| Clemson Medallion

CLEMSON

WORLD
MAGAZINE

WINTER 2009

A man with glasses and a dark shirt is crouching next to a red shipping container. He is holding a small, grey electronic device in his hands and looking at it intently. The background shows the side of a white shipping container with rivets. The text "CSI of WMDs" is overlaid on the image in a large, stylized font.

CSI of
WMDs

What's blue and white and ordered all over?



When the first Clemson Blue Cheese™ was cured in the Stumphouse Mountain Tunnel back in 1941, it was the birth of a dearly held Clemson tradition. Now that it's available on the Internet, it's even easier to enjoy!

That's right. Now you can order Clemson Blue Cheese, the best domestic blue cheese you'll ever taste, for all your delicious recipes at www.clemsonbluecheese.com.

So pay us a visit, whether it's in person at the Eastside Food Court and Einstein Bros. Bagels in the Hendrix Student Center or by surfing the Internet. There's no better way to show your Clemson colors than by savoring our blue cheese!



1-800-599-0181

www.clemsonbluecheese.com