First in the family

Restoring the joy of teaching

Untangling Rett syndrome

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Cover photo: President Jim Barker with student Juan Nieto, by Patrick Wright
This page: Matt Rogers ’04 and son, Taylor
Part of the Clemson DNA

The story in this issue about Clemson’s FIRST Program (p. 12) is near and dear to my heart. Like so many Clemson alumni, I was the first in my family to go to college. Two brothers followed in my footsteps, and life for everyone in my extended family is better today because of that opportunity.

Also, like some of our FIRST students, I came to Clemson for a summer before beginning my freshman year. It was a long and winding road, literally and metaphorically, from the hills of eastern Tennessee to the campus “where the Blue Ridge yawns its greatness.” That summer experience tested my motivation and helped me get comfortable with the idea of college. I learned my way around. I shook off my doubts and nerves and fears, and arrived that fall much more confident and ready to get to work.

My own two sons grew up with very different expectations. They simply assumed that college lay ahead for them. They are more typical of the students we enroll today, but I am proud that a significant percentage of our students are “first generation” like me. Clemson is still accessible and must remain accessible.

First-generation students

Efforts such as the National Science Foundation-sponsored FIRST Program — with its goal to increase graduates in science, technology and math — offers coaching, mentoring and a built-in support network to first-generation Clemson students in those majors.

We will enroll more than 300 first-generation freshmen in these disciplines alone this fall, more than 10 percent of the freshman class. I will follow their progress with great interest.

I hope we will have the resources to continue the program after the NSF grant expires. We would love to see it expanded to every first-generation student at Clemson.

Studies show that first-generation students lack what is known as “collegiate knowledge.” They need extra help to get ready for college-level academic work, to navigate the financial aid and admissions process, and to make a successful transition once they arrive on campus.

Intervention programs must begin in middle school or earlier. Unless children can picture themselves going to college and succeeding in a career, they will not take the rigorous courses they need in high school, especially advanced math and science.

Many first-generation students begin higher education at a community college, with plans to transfer. So programs aimed at first-generation students need to include transfer students, too. We expect transfer enrollment to increase over the next few years.

Clemson is tackling these multiple challenges in multiple ways. In addition to the FIRST Program, which is for accepted Clemson students only, efforts include:

- SC LIFE sponsors life sciences education for middle and high school students and their teachers. Enrichment opportunities include laboratory field trips and a summer program for research interns. It is supported by $5.4 million in awards since 1998 from the Howard Hughes Medical Institute.
- This summer, we offered three special orientation sessions for transfer students. A new Transfer Council within Student Government will address the specific needs of this group. One of the council’s first activities will be a mentoring program that pairs upperclass transfer students with incoming transfers.
- The Academic Success Center offers all Clemson undergraduates academic counseling and coaching, tutoring, supplemental instruction and training in study skills and time management. Its goals are to increase student success and graduation rates.

Academic Success Center

If I could offer parents of incoming students only one piece of advice this summer it would be: Make sure your student knows about the Academic Success Center. (My top tip to students is: “Make sure you never miss a class!”)

We broke ground in June for a new home for the center — between the Brooks Center and the Cooper Library — which will be known as the Class of 1956 Academic Success Center. The class has raised $2.7 million to name the new building.

The Class of 1956 was at the forefront of Clemson’s change from an all-male, military college to a coed, civilian institution. Today, we are transitioning again. Clemson is becoming one of the nation’s best public research universities, but we have promised to bring our students along on the journey.

Why do we place such emphasis on increasing academic opportunity and support for all students, including “first-generation” students?

Because it is the right thing to do. Because it is in line with Clemson’s traditional mission. Because it is a part of our DNA. And because it is in our collective best interest to do it.

Education, education, education

I spoke recently to a Greenville Chamber gathering about the “Greenville Regional Economic Scorecard.” This study was commissioned by the chamber and written by Clemson faculty members led by David Burkley and Mark Henry.

I told these business leaders: When I read the “Scorecard” report, I see three needs — education, education, education. In other words, education at every level.

In relation to peer regions, Upstate South Carolina shows real strength in innovation activity and entrepreneurship. Clemson University is a big part of the reason.

Where the Upstate and South Carolina are relatively weak — in its general labor force education and “knowledge worker” occupations — education is both the problem and the solution. Clemson must help here, too.

We simply need better schools, more high school graduates and more college graduates to meet the needs of tomorrow’s economy. And we cannot afford to leave anyone behind.

If I could offer parents of incoming students only one piece of advice this summer, it would be: Make sure your student knows about the Academic Success Center.

James F. Barker, FAIA
President

For more information on the Academic Success Center, go to www.clemson.edu/succ. For New Student, Sophomore and Transfer programs, go to www.clemson.edu/studentaffairs/nss.
CU-ICAR partners with Mazda

MAZDA NORTH AMERICAN OPERATIONS, HEADQUARTERED IN IRVINE, CALIF., will be the first Asian Original Equipment Manufacturer to partner with the Clemson University International Center for Automotive Research (CU-ICAR). The Mazda Foundation will provide an initial pledge of $30,000 to CU-ICAR for the Mazda Annual Graduate Fellowships program. The fellowships are performance-based and renewable for up to three years for a potential total of $90,000. In addition, the company will donate a CX-7 crossover SUV, drive trains, subassemblies and other components to be used as learning tools by Clemson students and faculty.

Clemson, Michelin advance tire technology

A Clemson research team affiliated with CU-ICAR will receive $1.9 million to develop new technology with Michelin North America, one of CU-ICAR’s founding partners.

The project will focus on reducing automotive tire-rolling resistance, improving vehicle fuel economy. Michelin chose Clemson to conduct a significant portion of the research after a competitive bid process for universities. The project will engage the talents of more than 20 professors and graduate and undergraduate students.

Nation’s top student director

PERFORMING ARTS GRADUATING senior Jeff McLaren has won the 2008 Kennedy Center American College Theatre Festival’s national student directing award.

As a part of the competition at the Kennedy Center for the Performing Arts in Washington, D.C., he directed an award-winning original student play and was interviewed by a panel of distinguished theater directors. McLaren has received an all-expense-paid summer internship at the O’Neill Playwrights Theatre Center in Waterford, Conn.

CU-ICAR’s ‘Green Building’ strikes gold

CU-ICAR’S COLLABORATION 3 (THE Timken Co.) building has earned LEED (Leadership in Energy and Environmental Design) Gold Core and Shell Certification by the U.S. Green Building Council.

This is the first project in the state to earn the Gold-level certification for core and shell construction. The Furman Co., Development LLC, Paolino-Smith Group Architects and The Harper Corp. share the honor.

Green building designation LEED Gold is the nationally accepted benchmark for the design, construction and operation of high-performance green buildings. Core-and-shell encompasses base building elements such as structure, envelope and the HVAC system.

National Champs — five in a row!

CLEMSON’S PERSHING RIFLES TEAM WINS ITS FIFTH STRAIGHT NATIONAL Championship, its seventh in nine years. The Pershing rifles competed against 18 other teams from all over the country. For more on Clemson’s famed precision drill team, go to business.clemson.edu/Armyrotc/Activities/prs.htm.

New Earnhardt scholar

CLEMSON’S FIRST MOTORSPORTS INNOVATION PARTNER, DALE EARNHARDT INC. (DEI) has announced its annual undergraduate scholarship winner — Casey Appleman.

The mechanical engineering major received the Dale Earnhardt Motorsports Scholarship at a presentation at DEI headquarters in Mooresville, N.C.

The Dale Earnhardt Foundation funds the annual undergraduate scholarship honoring the memory of Dale Earnhardt Sr. for students interested in motorsports and automotive engineering. The foundation provides $13,000 annually for a total minimum pledge of $39,000 for a three-year scholarship in the College of Engineering and Science. Scholarship winners are eligible for internships. Appleman began a summer internship in May.

COURTESY OF DEI

Outstanding S.C. Legislator

S.C. REP. DANIEL T. COOPER ’84 received an honorary Doctor of Humane Letters during Clemson Commencement in May.

He has served in the S.C. House of Representatives since 1991, where he has been a member of the Medical, Military and Municipal Affairs Committee; the Education and Public Works Committee; and the Ways and Means Committee, which he has chaired since 2005. He serves on the Joint Bond Review Committee and is the only Upstate member of the Budget and Control Board.

Cooper’s support has enabled the state’s research universities to increase their research capability and advance South Carolina’s knowledge-based economy. He also has been a champion of Clemson’s Public Service Activities mission and the University’s support of the state agriculture industry.

State Rep. Dan Cooper receives honorary degree.
Field of Flags

AS PART OF CLEMSON’S 2008 ONE WORLD PROJECT, NEARLY 10,000 colored flags loop into the form of an “awareness ribbon” on Bowman Field, representing statistics from the Federal Bureau of Investigation on hate crimes.

Arun Gandhi, grandson of Mohandas Gandhi, spoke on using peaceful means to interact with one another.

One World Project works to raise awareness of hate, ignorance and exclusion in order to increase compassion and inclusiveness. For more information, go to www.clemson.edu/eworld.

That’s heavy!

CLEMSON’S VERY FIRST HEAVY CONSTRUCTION competition team places third in the nation.

The team won the Third Place Granite Award in the 2008 Associated Schools of Construction/Associated General Contractors Heavy Civil National Student Competition. The Clemson team qualified earlier by winning the Southeast Regional Competition.

Pictured from left are construction science and management students Dominic Giannini, Murray Davis, Stewart Lee, Eddie Beazl, David Babb and Chris McKee. They were coached by professor Gregg Corley.

National Extension Educator

HORTICULTURE PROFESSOR DESMOND LAYNE SCORED A FIRST FOR CLEMSON’S VERY FIRST HEAVY CONSTRUCTION team places third in the nation.

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Robotics rule!

One thousand students and 36 robots invade Littlejohn

Coliseum as Clemson welcomes the fifth annual FIRST Robotics Competition Palmetto Regional.

Last spring, teams designed robots to race around a track, knocking down 40-inch inflated trackballs and moving them around the track, passing them either over or under a 6-foot 6-inch overpass. Teams were judged not only on point accumulation, but also on design, team spirit, professionalism and perseverance.

To see a video recap of this year’s competition, go to www.clemson.edu/newsroom/multimedia/video and click on “FIRST Robotics Competition.”

Engineering and science stars

CLEMSON HAS INDUCTED THREE NEW members into its prestigious engineering and science academy while honoring the contributions of two young alumni.

The Thomas Green Clemson Academy of Engineers and Scientists inducted Thomas H. Keinath, dean emeritus of Clemson’s College of Engineering and Science; John D. Petersen, president of the University of Tennessee and former associate dean of research at Clemson; and Michael L. Watt ’94, president and CEO of Scientific Research Corp. and advisory board member for Clemson’s electrical and computer engineering department.

In addition, Robert B. Ross ’94, PhD ’00 and Andrew G. Sowder PhD ’98 received the Outstanding Young Alumni Award for 2008. Ross’s work with MPICH2, a high-performance software application, enables developers to run the same code on a wide variety of platforms, from laptops to the largest and fastest parallel computers in the world. Sowder is a physical scientist whose service as a foreign affairs officer has helped negotiate agreements to keep nuclear materials out of the hands of terrorists.

Architecture earns two top national prizes

CLEMSON’S SCHOOL OF ARCHITECTURE has won two of the six national 2008 NCARB (National Council of Architectural Registration Boards) prizes for creative integration of practice and education.

One of Clemson’s winning entries explored how innovative architecture improves health care environments (illustration above).

The other localized global climate change by illustrating how Charleston’s historic peninsula might be defended against the twin threats of rising sea level and increased storm severity (below).

Newest Clemson Trustee

THE S.C. GENERAL ASSEMBLY HAS ELECTED JOHN N. “NICKY” MCCARTER JR. ’80 of Columbia to the Clemson University Board of Trustees. McCarter will fill the unexpired term of Thomas C. “Tom” Lynch Jr., who retired in February. This term will expire in 2010.

McCarter is president of Defender Services, a Columbia-based company providing outsourced solutions, including facility maintenance, security and landscaping, to commercial, industrial and retail clients.

A 1980 alumnus, McCarter previously served on Clemson’s Board of Visitors.

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CLEMSON STUDENTS COMPETING IN THE Southern District of the Institute of Transportation Engineers (ITE) Traffic Bowl — 2008 William H. Temple Scholarship Challenge — again took home the championship.

Civil engineering master’s degree students Sukumar Anekar and Swathi Korpu and Ph.D. student Priyank Alluri represented the state of South Carolina in the “Jeopardy” style competition. In addition, the Clemson ITE chapter, advised by professor Wayne Sarasua, was named best student chapter for the fifth straight year! For more information, go to www.clemson.edu/ce/about/ite.php.

“You could connect
with Fiber Optics, Digital Capabilities, and Wi-Fi.

Or, you could just wave.

With future wiring for security, phone, Internet, and digital TV, in Patrick Square you’ll be on the leading edge of technology. But with a vibrant Town Center, a variety of EarthCraft™ and ENERGY STAR® certified homes, a community garden, and a walkable community layout just minutes from Clemson University, you may find you’ll enjoy the low-tech connections even more.

Patrick Square has everything you’re looking for in a new community — all starting from the $290s — making it the perfect place to create your own legacy.

Homes from the $290s — PatrickSquare.com — 864.654.1500

The NCAA presented the Clemson athletic department with a diversity in Athletics Award in Gender Equity Compliance, based on the proportion of female student athletes relative to the proportion of female undergraduates. At Clemson, 45.7 percent of the undergraduate student population is female, and 45.5 percent of student athletes on varsity sports teams are female. Clemson is one of only seven Division I schools to receive the honor.

So how are they doing? This was an excellent year for women’s sports at Clemson. The volleyball team reached the second round of the NCAA Tournament and won the ACC Championship. Women’s tennis reached the Sweet 16 in the NCAA Tournament and ranked 13th in the nation in the final poll. The rowing team’s varsity 8 boat was selected for the NCAA Tournament for the first time ever, and the team finished 11th at the NCAA Championships.

The women’s soccer team reached the second round of the NCAA tournament and was selected for the tournament for the 15th straight year.

Clemson Students Competing in the Southern District of the Institute of Transportation Engineers (ITE) Traffic Bowl — 2008 William H. Temple Scholarship Challenge — again took home the championship.
South Carolina teachers will soon have their very own Teacher Renewal Center thanks to a major gift of Upstate forestland and cash from The Cliffs Communities and its foundations. Clemson will join forces with the S.C. Department of Education to oversee development and management of the center. The gift includes $10 million in cash and more than 355 acres of prime real estate in the Jocassee Gorges area of Pickens County to support development of a Teacher Renewal Center — a first-of-its-kind facility in South Carolina. The goal of the center is to enhance the quality of education by helping the state retain its best teachers.

“The center will offer a venue and programming designed to renew teachers’ spirits and celebrate their contributions to our children, to our state and to our nation,” says Jim Anthony, founder and chief executive officer of The Cliffs Communities.

The gift will have on South Carolina teachers, students and eventually the state’s overall education is a perfect example.”

A major gift of Upstate forestland and cash will boost education throughout the state.

BACK TO NATURE

TEACHERS — RECONNECT AND RENEW

Anyone who has been a kindergarten through high school teacher can tell you, teaching “is not for sissies.” As a result, many teachers leave the profession within the first few years.

In South Carolina, more than 6,800 teachers will not be returning to the schools where they taught last year, at a cost of nearly $75 million to S.C. taxpayers, according to education department statistics. Other states are facing similar issues.

The Teacher Renewal Center will offer S.C. teachers programs similar to those of nationally recognized centers in North Carolina and Washington.

Teams of 20 to 25 practicing K-12 teachers from across the state will visit the waterfront complex for weeklong residential seminars. The seminars will be organized around an interdisciplinary study of ideas, questions or themes. Initial plans for the center include a hotel, restaurant and conference complex on the banks of the Keowee River between lakes Keowee and Hartwell.

Anthony believes the center will have additional benefits. “For teachers, the more they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says. “We want to inspire them and lift their spirits. We want to reconnect them to what they care and pour themselves into their students, the more stressful it is,” he says.

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“Our children will surely reap the benefits.”

KIDS — CAMP AND LEARN

One facet of the Teacher Renewal Center that will distinguish it from programs in other states is a youth development component that offers experience-based learning for students while their teachers participate in seminars.

Clemson’s Youth Learning Institute — which already has strong programs connecting children and teachers with nature such as Teaching Kids About the Environment (KATE), residential field studies, camping and other activities — will coordinate programs at the center.

In addition, The Cliffs Communities gift has added a wilderness adventure camp to the Youth Learning Institute’s lineup of summer programs.

Adventure Camp provides campers, ages 12 to 15, with 10 days of outdoor wilderness excursions. Located at Pinnacle Falls in the Eastatoe Valley, the 100-acre camp in the Blue Ridge Mountains of Pickens County features a trout stream, 60-foot waterfall, fish pond, teepees, game field and hiking trails, with nearby access to the 76-mile Foothills Trail and Lake Jocassee.

“The relationship between Clemson and The Cliffs Communities is a model for the way a public university can partner with a private company to achieve far-reaching, multidimensional benefits,” says President Jim Barker. “The impact that this latest gift will have on South Carolina teachers, students and eventually the state’s overall education is a perfect example.”

The Cliffs Center for Environmental Golf Research

The Cliffs Communities, along with Clemson and top industry support, has launched a first-of-its-kind turfgrass research center.

The Cliffs Center for Environmental Golf Research, in cooperation with the University, will be a laboratory for industry-leading turfgrass research to produce environmentally enhancing, ecologically complementary golf course and green space management and maintenance practices. It will serve as a model for others in the golf course development business.

The center is located on a 5.6-acre site in The Cliffs at Mountain Park in Travelers Rest. It includes research laboratories, two experimental Par 3 organic golf holes grown with both warm- and cool-season grasses, 40,000 square feet of turfgrass plots, and office, meeting and living space for administrators and students.

For more on the center, go to www.cliffscommunities.com/golf.
A new program at Clemson helps students who are scoring a first.

First in the family
by Liz Newall

Casey is first. So is Anita. And Stephen, H.J., Maribeth, Benjamin. In fact, President Jim Barker is first, too. They’re all first in their families to go to a four-year college.

This year, from 10 percent to 14 percent of Clemson’s incoming freshman class is made of first-generation college students. The challenges they face will be a little steeper than those of students who grew up in homes where they had parents who could guide them through college.

Finding and keeping financial aid, maintaining good grades and social networking are critical needs for all students, but especially for those who are first generation.

Clemson is addressing those needs through the new FIRST Program.

Thanks to a National Science Foundation (NSF) grant, excellent staff and experienced mentors, Clemson’s first-generation students majoring in science, technology, engineering and math have a variety of services and support specifically tailored for them.

“The FIRST Program provides a home away from home for first-generation students,” says Sherry Dorris, program coordinator. “It gives them opportunities to interact with first-generation faculty, staff and student mentors who will guide them toward reaching their full potential.”

Essential to FIRST’s success are its “proactive” mentors. These first-generation upperclassmen stay in contact with their freshmen throughout the summer and academic year, meeting frequently and serving as a close connection to the coordinator.

Incoming first-generation students can attend the FIRST Summer Preview free of charge. They can stay on campus for a three-week summer course designed to improve their critical-thinking, problem-solving and mathematical skills. Additional activities provide study skills and introduce students to the campus, faculty and student services.

Throughout their Clemson experience, FIRST students have seminars, workshops, social events, field trips, newsletters, free tutoring and a designated lounge to meet with mentors, study and network.

They can also gain research and teaching skills through the S.C. DNA Learning Center at Clemson. As they become upperclassmen, FIRST students can participate in the undergraduate research program through Clemson’s SC LIFE Project sponsored by the Howard Hughes Medical Institute.

Just completing its second full year, the FIRST Program is already proving successful for participating students through higher GPAs and greater retention.

A generous grant from the NSF Science Talent Expansion Program currently funds FIRST. Because the NSF grant is intended to increase the number of students graduating in science, technology, engineering and math, it applies to majors in Clemson’s College of Agriculture, Forestry and Life Sciences and College of Engineering and Science.

Program leaders have begun looking for ways to support FIRST when the NSF grant runs out in two short years. And, they want to be able to offer its services to all Clemson first-generation students in all majors.

“We have not only the intelligence and drive to get into college, but also the courage to achieve a milestone for their family. At Clemson, we want to do everything we can to help them succeed.”

For more information about FIRST, go to www.clemson.edu/ugs/first or contact Sherry Dorris at first@clemson.edu or (864) 656-1674.

What you can do
To support FIRST, you can make a secure online gift at www.clemson.edu/isupportcu or contact the Clemson Fund office at (864) 656-5896.
You could say Carolyn Schanen ’84 was born to the medical profession — her father was an obstetrician. Brains didn’t hurt either. Schanen, originally from Greenwood, entered Clemson as a pre-veterinary major through an early admission program. Between her junior and senior years, however, she found herself torn between going on to veterinary school or to medical school. A trip to the hospital with her father to see him perform a C-section helped her shift from animal patients to human ones.

“My dad so clearly loved what he did for a living,” says Schanen. “His relationship with his patients was something I wanted to experience.”

As a Clemson undergraduate, she also discovered another passion that would become a major part of her medical career — research. Her then biological sciences professor and department head Don Helms (now provost and vice president for academic affairs), along with her adviser Gayle Noblet (now professor emeritus), suggested that Schanen experience more research as a part of her overall undergraduate experience.

She began working with biological sciences professor Alfred P. “Hap” Wheeler (now department head) in studying calcified structures — oyster shells, in particular. “The lab provided both intellectual and hands-on challenges and experiences,” Schanen recalls. “There was also a collegiate, fun part to lab work.”

She went on to the Medical University of South Carolina and entered the M.D./Ph.D. program where she became engrossed in genetics. From there, she went to Stanford University where she completed a residency in pediatrics and fellowship training in medical genetics.

Schanen is now at Nemours Alfred I. duPont Hospital for Children in Wilmington, Del., where she’s a principal investigator at the Human Genetics Research Laboratory. She has found her calling in trying to demystify the genetic disorder Rett syndrome.

Rett syndrome (RTT) is a neurological condition similar to autism that strikes mostly young girls. They start out as healthy, normal children, but soon begin to regress, losing the ability to speak and developing unusual hand movements that are a hallmark feature of the disorder. They often end up severely handicapped, both mentally and physically.

“RTT hasn’t gotten the public attention over the years that autism has because it isn’t as widespread. But it’s just as devastating. For those affected and those working for a cure, Dr. Carolyn Schanen is a familiar name. Her research has appeared in top medical journals across the country, and her presentations have keyednot national and international conferences on RTT and related conditions.

“The goal of helping the families affected by RTT through research provides the driving force in my lab,” says Schanen. “We always remember there are little girls out there who need us to work harder to understand this disorder so that we might eventually develop a cure.”

Researchers are making progress. Several years ago, they linked a gene called MECP2 on the X chromosome to the disease. More recently, they’ve begun to understand how the mutations can cause a variety of impairments.

As the research advances, so does the hope for treatment.

At Nemours Human Genetics Research Laboratory, Schanen’s team is developing a cell-based analysis to screen possible drugs to alleviate RTT by restoring the defective gene’s protein. Such research may also be key to treating autism.

Schanen is hopeful that her team’s work will lead to better therapies that will allow girls with RTT to lead more normal lives, talking and playing like other children.

As the renowned geneticist looks forward, she also glances back to her days as a college student.

“My research experiences as an undergraduate at Clemson shaped my career,” she says. “I learned that there were no questions too tough to tackle. It just takes patience and perseverance.”

For more information on Rett syndrome and support, go to the International Rett Syndrome Foundation Web site at www.rettsyndrome.org. For more on the Nemours Human Genetics Research Laboratory and Schanen’s work, go to www.nemours.org/research/boonton/about/program/genetic.html.

‘For little girls who need us’

by Liz Newall

A Clemson physician is heading the Nemours Biomedical Research team in a quest to demystify and treat Rett syndrome and similar autistic disorders.
Promoted by his love for Clemson and his devotion to the advancement of biodiversity in solving world issues, Clemson alumnus and entomology professor John C. Morse MS ’70, and wife, Suzanne, will soon see their efforts to fund an endowed chair in arthropod biodiversity come to fruition.

More than eight years ago, the Morses began contributing to an endowment to fund an endowed chair in arthropod biodiversity within the Department of Entomology, Soils and Plant Sciences.

Over the years, the Morses’ personal $25,000 per-year contributions have been matched 4-to-1 by the W.C. English Foundation, created by Suzanne’s father in 1966. In three more years, the endowment will reach more than $1.25 million, fully funding the chair. The chair will recruit a leading scholar to teach, conduct research, inform land managers and decision-makers, and discover and manage economically detrimental effects and beneficial products and services of arthropod species.

“An understanding of biodiversity is critical to our earth,” says Morse, who has 14 species of bugs named in his honor.

Sixty-five percent of all species of plants and animals are insects, and the cost to agriculture, homes, stored foods, fabrics and animals is roughly $5 billion per year. On the other hand, the benefits of arthropod diversity for society are immeasurable, but many times the cost. Their value ranges from essential ecological services like pollination and debris decomposition to natural and manufactured products for human use, like honey, silk, dyes and medicine.

“An aggressive teaching and research initiative in biodiversity, led by a world-class arthropod scholar,” he says, “will not only elevate the stature of the University, but significantly impact our society.”

Suzanne English Morse agrees with her husband and has given the support of her family’s foundation.

Her father, the late W.C. English — an astute Virginia businessman who started English Construction Co. (one of the largest construction firms in Virginia) and W.C. English Inc., a general contracting firm — established the W.C. English Foundation prior to his death.

“When my father was alive, he supported the same organizations every year — those that were close to his heart,” says Suzanne. “As time went on, we decided to continue to give to those organizations, but so that we could feel ownership, we expanded the list to include those that were near and dear to us as well.”

Today, the W.C. English Foundation supports many religious and research-oriented activities, and English’s four daughters act as the English Foundation’s trustees — Joan Allen of Fayetteville, N.C., Beverley Dalton of Altavista, Va., Margaret Lester of Martinsville, Va., and Suzanne, who resides in Pendleton. “The [English] Foundation brings us together — we must physically be in the same room to review proposals, make decisions and determine investments,”

No stranger to philanthropy, Suzanne accepted the 2006 Philanthropist of the Year award given by the Tri-County Technical College Foundation Board of Trustees for work through the English Foundation (she is a Tri-County Tech Foundation Board member). She’s also on the Governor’s School for Science and Mathematics Foundation Board.

Together, the Morses are a formidable team leading change at Clemson and, quite possibly, throughout the world.

For information on making a difference at Clemson University and far beyond, call (864) 656-2121 or go online to www.clemson.edu/isupportcu.
Clemson is emerging as an information technology leader not only in the state but also in the nation. In two years, the University has built an IT environment and organization that have brought it to the forefront in higher education. In fact, according to TOP500 (June 2008), Clemson has the No. 62 supercomputing site in the world.

Information technology is evolving worldwide to include much more than just technology. The concept of cyberinfrastructure has many definitions; but just as the term infrastructure refers collectively to the roads, power grids, telephone systems, rail lines and similar public works required for an industrial economy, the term cyberinfrastructure refers to the foundational components of distributed computer, information and communication technologies. As infrastructure is required for an industrial economy, cyberinfrastructure is required for a knowledge economy. That’s what Clemson is building.

Cyberinfrastructure permits a new kind of scholarly inquiry and educational process, empowering communities to innovate and revolutionize what they do, how they do it and who participates. Cyberinfrastructure is about creating a culture of collaboration, both within and across disciplines. As research and education have grown increasingly computational and data-driven, collaboration (especially electronic collaboration) in every academic discipline has become essential.

By building strong infrastructure, Clemson is attracting top faculty, enriching students’ educational experience and helping South Carolina compete with other states that previously outranked us in IT capacity for economic development. Thanks to creative partnerships and inventive ways of increasing capacities while keeping costs down, Clemson is making leaps in technology while being smart about its investments. In fact, Clemson’s all-around information technology advances are making it an “IT model” for other universities.

What’s all the buzz about?

A university’s strategically planned cyberinfrastructure means greater capacity for research, education and outreach opportunities. In other words, it’s a foundation for everything we do both now and in the future.

“The University has recognized the absolute necessity of a strong cyberinfrastructure and has prioritized it through appropriate funding and by making it the core of our new academic plan,” says Dori Helms, provost and vice president for academic affairs.

Clemson Computing and Information Technology (CCIT) staff — led by Jim Bottum, chief information officer and vice provost for computing and IT — set out to update, rebuild and greatly expand Clemson’s computing foundation.

So far, they have:

• nearly completed an $8 million campus network upgrade;
• centralized and integrated services;
• completed a major upgrade to the University’s main data center (which now allows significant advances in high-performance computing and data storage, and network and systems monitoring);
• given researchers a pipeline for collaboration and grant access;
• assumed leadership in multiple S.C. cyberinfrastructure alliances.

Superhighway to research

Clemson has scored a major advantage by creating a regional optical network known as C-Light, a fiber-optic high-speed highway. It provides the foundation for research, academic and economic advancements that were previously impossible.

“C-Light is South Carolina’s first and only connection to the national and international computing infrastructure. It puts Clemson ‘on the map’ in a big way,” says Bottum.

C-Light connects Clemson, Greenville and Atlanta, providing direct access to the National Lambda Rail, Internet2 and other national and international research networks. Work is also under way to complete a connection to Charlotte, which will add redundancy (backup) to this critical new link to the research and high-performance computing world.
Innovative industry partnerships valued at $2.4 million in startup gifts-in-kind funded the project with no additional burden to the University’s education and general budget or to S.C. taxpayers.

World-class workspace
Not only do researchers need access to the cyber superhighway, they need vast and flexible computing capabilities to conduct their research, collaborate, store and analyze huge amounts of data.

Part of the solution is a next-generation high-performance computing cluster: The Palmetto Cluster — a supercomputer developed by CCIT in collaboration with researchers across the University — is an innovative example of a shared computing infrastructure and a key point in attracting top faculty.

The research enabled by the Palmetto Cluster already runs the gamut from cross-layer protocol design of wireless communication networks to simulations in molecular dynamics to human developmental studies. The system is both innovative and cost effective because it’s based on a “condominium” concept that uses small computer arrays assembled into larger units, much like a condominium complex. The cluster can be provisioned, configured and managed as faculty and research needs dictate. Faculty grants pay for a significant portion of the hardware (computing nodes) while CCIT provides the rest of the nodes along with the infrastructure to support it all.

What about students?
In addition to paying attention to what faculty need, CCIT has listened carefully to students as well. In fact, CCIT is as “customer-driven” as it is “cyber-driven.” It’s already increasing the number of available services like Google Apps for Education, a partnership developed by Clemson’s student government, CCIT and Google.

As for technical support, for the first time, students (as well as faculty and staff) have a central location — the Customer Support Center in the University Union — to go to. Support hours have increased, too, and staffers have consistent training so they operate with a higher level of professionalism. They also have Mac training, so Apple users can now get local support.

Students have a wealth of new technical features, making study, class work and research faster and more efficient. For example, instead of physically searching for open printers across campus, they can access “print” from their laptops, check the list of available printers and select the ones they need. On a much larger scale than technical support and ease of computing, students are the beneficiaries of all technological advances at Clemson.

National player, innovative leader
As the University expands and strengthens its own cyberinfrastructure, it’s playing a leading role for the state and higher education.

Clemson is providing guidance for the S.C. Computing Consortium (SC3), a coalition of five major research institutions in South Carolina including USC, MUSC, Hollings Marine Laboratory and Savannah River National Laboratory. Last year, the consortium created the state’s first presence at SC07, the International Conference for High Performance Computing, Networking, Storage and Analysis.

Earlier this year, Clemson Computing and Information Technology hosted a national-level conference — CI Days — designed to explore innovative ways to integrate information technology into teaching, research and outreach programs.

Nearly 350 faculty members, graduate students, IT staff and state research partners came together for three days with national agencies and providers of cyberinfrastructure resources and services. The outcome was new working alliances to develop and deploy a strong cyberinfrastructure at Clemson and throughout the state.

President Jim Barker says, “The work that Clemson is doing in cyberinfrastructure not only positions us as a national player, it is garnering international recognition that Clemson is an innovative leader in the areas of IT-enabled research and education.”

To learn more about Clemson Computing and Information Technology, go to www.clemson.edu/ccit.

Jim Bottum, a premier IT leader
Clemson’s chief information officer and vice provost for computing and information technology — Jim Bottum — is at the top of his field. He was named by Computerworld among its “Premier 100 IT Leaders,” and he’s on the Internet2 board of trustees and two National Science Foundation advisory committees. Earlier this year, he made the cover of STORAGE magazine (Jan. 2008) in a feature that told Clemson’s cyberinfrastructure story.

“The change given to me when I came to Clemson was to build a world-class cyberinfrastructure to help move Clemson to the top 20,” says Bottum. “The campuswide support for our bold and comprehensive initiatives has been exciting and gratifying.”

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!

www.clemsonbluecheese.com
By Debbie Dalhouse

Clemson's Service Alliance helps students develop into citizens, not just taxpayers.

“"I can think of few other courses that have left such an indelible mark on me!” says undergraduate student David Duncan.

Duncan, a management major, is talking about his experience in Clemson's Client-Based Writing program, one of several programs affiliated with the University's Service Alliance. He's among 2,300 juniors and seniors who have participated in the writing program over the past five years.

Writing for change

Client-Based Writing projects in the Advanced Writing program match classes with local clients who need communications materials. Clients are primarily nonprofits that address issues such as food and shelter for the poor, health care, the environment, arts and education, as well as government agencies and public schools in the Clemson, Anderson and Greenville areas. This program has involved more than 100 classes with 25 writing faculty and 47 clients.

The project that Duncan worked on was a proposal for Concerned Citizens for Animals in Greenville County. “When the professor taught us techniques for writing proposals and grants, I immediately put this knowledge into practice ... detailing what my group would achieve for them,” he says. “Because I was able to apply what I was learning in class toward a worthwhile endeavor, I remembered more from the teachings. I still refer to it on a regular basis.”

Client-Based Writing, supported by the Robert S. Campbell Endowment, prepares students for the workplace by engaging them in projects that have relevance beyond the classroom. It was honored with the 2008 Education Service-Learning Award by the S.C. Commission on Higher Education.

Engaging the whole campus

Service-learning at Clemson isn’t limited to one program or even one college. “Our goal is to set the standard in public service for land-grant universities by engaging the whole campus in service and outreach,” says Kathy Woodard, director of the Service Alliance.

In collaboration with the Office of Teaching Effectiveness and Innovation, the Service Alliance offers courses to assist faculty in developing service-learning classes. In addition, Service Alliance Faculty Fellows in all five colleges serve as mentors and conduct workshops for faculty and graduate students.

Clemson's Community Scholars program provides scholarships to students who want to make a difference in S.C. communities. Up to 10 Community Scholars are selected for the program at the beginning of their freshman year. In their sophomore year, they begin participation in the Creative Inquiry program and focus on becoming effective change agents in their communities. By their junior year, the focus expands to an international overview of civic engagement with a study-abroad experience. During their senior year, students develop and conduct community-based research projects.

Another project is “Rules of Engagement II — Community Engagement for Future Design Professionals,” led by architecture and landscape architecture professors and a community development Extension agent. Last spring, 16 graduate and undergraduate architecture students formed Stewardship South, a design/build studio focused on cultural and environmental sustainability (us-stewardshipsouth.blogspot.com).

In Denmark, design students worked with local community members to create a master plan. In Pendleton, they expanded on an earlier Keese Barn project to make the landmark more usable for the community. In Clemson, they concentrated on the Jaycee Park with plans for a stage canopy, educational signage, a stabilized stream bank and terraces to improve seating and viewing.

Offering a wealth of service support

As a network, Clemson's Service Alliance combines Public Service Activities, service-learning and community service across the University. It provides financial assistance to students interested in service-learning. It provides faculty resources for service-learning course development, reflection, assessment and documentation techniques.

In other words, Service Alliance offers a wealth of support for service-learning — what President Jim Barker calls “the most important pedagogical change in teaching and learning in the past two decades.” To find out more about the role of service-learning in the overall Clemson experience, go to www.clemson.edu/servicealliance.

“Service-learning is the most important pedagogical change in teaching and learning in the past two decades, and it has found fertile soil in which to grow at Clemson in our legacy of public service. Civic responsibility must be the very fabric of teaching and learning in all disciplines. We must graduate citizens, not just taxpayers.”

— President Jim Barker

The alliance also operates the Campbell Scholars program — in which incoming freshman recipients serve as tutors for elementary and middle school students eight hours per week. The Campbell Scholars program is funded by the late Robert S. Campbell and wife, Betsy, through the Campbell Young Leader's Corp.

From preventing obesity to saving landmarks

The Citizens and Scholars program — interdisciplinary service-learning and community-based research on health, socioeconomic and environmental concerns — addresses real-world problems facing communities, families and industries in South Carolina.

For example, "Understanding Grass-Roots Obesity Prevention and Control Efforts," by public health science professors, joins Clemson students with the Eastside Neighborhood Alliance, Morningside Neighborhood Association, Partners for a Healthier Homea Path and Pendleton Pride in Motion to combat obesity-related illnesses.

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the idea of the work: a sampling of stories we have collected that remind us of the importance of this work.

In the 28 chronicles that have been published to date, we have shared the stories of more than two dozen Clemson legends through the voices of many alumni, family and friends who have graciously served as volunteer authors. We have also heard from many Clemson World readers who have shared their own touching memories in response to the chronicles. The following is a sampling of stories we have collected that remind us of the importance of this work:

I remember, as a child, going to Clemson football games and listening to my grandfather talking to Frank Howard about how the season was shaping up. I remember him taking me into Judge Keller’s office, and Judge Keller asking me if I was going to be a Miss Clemson one day ... I remember how the links of Tillman Hall played at his funeral. Though I did not attend Clemson, the idea has proven to be a wonderful success.

One of the hats Col. Rick Robbins wore at Clemson was that of “Cheerleader Adviser.” Being a cheerleader during the “Hootie era” was a life experience for all of us who attempted to rally the student body. The idea behind this column was simple: to tell part of the Clemson story through glimpses into the lives of those who have earned resting places on Cemetery Hill and to raise awareness of efforts and opportunities to preserve and enhance this sacred ground.

With the generous help of many of you, the idea has proven to be a wonderful success.

The Stewardship Committee has secured a total of $480,000 to date for the cemetery’s preservation and enhancements. All of these important improvements have been made possible by a strong contingent of generous supporters. The Stewardship Committee has placed a strong emphasis on involving students as our beloved Tigers were getting whooped ... by whom? When Col. Robbins was there, the Tigers were all there for us cheerleaders, but more importantly, he was there for me, personally, for the four years I was a student.

My grandmother told me for years that she distinctly remembered there being a hill and trees. I always knew that they (great-grandparents Charlie and Susan Ella Henry) were buried in Clemson, but I had no idea it was on campus. A couple of months after I found the graves, my mother and I carried my grandmother to see them. She had not been there since the funerals many years ago. After she cried a little bit she looked around and said that it was wonderful success.

We're deeply grateful to those who've made financial gifts to the Cemetery Preservation Fund. We also appreciate the students, staff and alumni who have given their time and energy to help clean the Woodland Cemetery grounds, preserve its trees, provide tours for events like Reunion Weekend and Bring Your Daughter to Clemson, and support outlets like this one to tell the cemetery stories. We believe the return on these monetary and in-kind investments will last through many generations of Clemson men and women.

Despite the recent achievements mentioned above, the Stewardship Committee's work is not finished — there's still more to do to improve the grounds and maintain the health of the wooded environment. However, we are excited to have reached an important milestone with the completion of those recent capital projects. Our special thanks go out to you for reading “Cemetery Chronicles” and to all those who have supported our work over the past seven years.

We hope you will continue to join us in paying tribute to the men and women who served Clemson so faithfully and make our Woodland Cemetery a unique Clemson legacy.

Patrick Wright

For more “Cemetery Chronicles,” visit the Web at www.clemson.edu/clemsonworld/chronicles.

To support its preservation and research, you can make a gift through the enclosed envelope and designate it for the “Cemetery Hill Preservation Fund.”
Cool Clemson women!

Women’s Alumni Council hosted the 10th annual Bring Your Daughter to Clemson weekend in May to treat girls, ages 6 to 12, to a taste of the Clemson experience, possible career paths and a whole lot of Tiger fun.

To commemorate the event, the council raised well over $10,000 for the Women’s Alumni Council Endowed Scholarship in the past year, which provides three renewable $1,000 scholarships each year.

For more information, go to www.clemson.edu/alumni/clubs/women.

Alumni Master Teacher

Economics professor Daniel Benjamin is the 2008 Alumni Master Teacher. The award is presented for outstanding undergraduate classroom instruction to a faculty member nominated by the student body and selected by the Student Alumni Council (pictured with Benjamin).

In 2006, Benjamin was named Alumni Distinguished Professor of Economics by the Alumni Association for his excellence in teaching. He’s taught across the country and overseas and has been a National Science Foundation Fellow, National Fellow, Visiting Distinguished Scholar, Caufied Honorary Research Fellow and recipient of a variety of teaching awards.

Golden Class of 1958

The Class of 1958 reassembled for its 50th anniversary portrait at the Military Heritage Plaza in front of Tillman Hall during 2008 Clemson Alumni Reunion in June.

The class celebrated its golden anniversary by giving major support for the construction of the Scroll of Honor, a campus memorial for alumni who have died in service to our country. Members also continued support of the Class of 1958 Unrestricted Scholarship endowment.

Alumni relations senior director Wil Brasington presents the 2008 Clemson Alumni Association Research Award to physics and astronomy professor Terry Tritt ’80, PhD ’85 and electrical and computer engineering professor Ian Walker. Tritt’s research focuses on developing higher-efficiency thermoelectric materials that could increase energy savings. Walker researches robotic manipulator systems that can help robots navigate rough terrain, such as in search-and-rescue situations.

L&IT alumni

These language and international trade (L&IT) alumni returned to Clemson earlier this year to talk with current students during the Language and International Trade Conference. The event is sponsored by the languages department and L&IT program in the College of Architecture, Arts and Humanities.

Outstanding researchers

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Texas Tigers

President Jim and Marcia Barker visited Clemson folks in Texas earlier this year. Their Austin hosts, pictured here, are Susanne and Jay Watson ’82. Diann and David Holl ’85 hosted the Barkers in Dallas.

Tigers is home to nearly 2,000 Clemson alumni.

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Clemson Clubbing

Incoming freshman Kelsey Norton (left) and her sister, Candace Norton ’96, meet Coach Tommy Bowden during a Clemson Club meeting in Hartsville. The Alumni Association and IPTAY co-sponsored 16 whirlwind Clemson Club events last spring where alumni, friends and fans came for the latest news about the University, alumni services and Clemson athletics.

Calling TN Tigers

The Nashville Clemson Club’s 2008 ACC vs. SEC Alumni Golf Tournament — to benefit CASA-Nashville (court-appointed special advocates for children) — is set for Oct. 13, at the Hermitage Golf Course.

For the very latest, go to www.acccasagolfcusa.org or contact Evan Vutsinas ’79 at EVTiger@concast.net.

MARK YOUR CALENDAR for reunion and homecoming events!

CAFLS Ties & Tailgate

The College of Agriculture, Forestry and Life Sciences (CAFLS) is hosting its annual alumni golf tournament — Sept. 11 at the Walker Course — to raise funds for the Tom Shelton CAFLS Alumni Scholarship Fund.

The CAFLS Alumni Tailgate and Ag Youth Day is scheduled for Sept. 27 at Mike Recreation Center, to begin four hours before kickoff. For more information, contact Shannah Hones at (864) 656-4998, shannah@ clemson.edu, or Kirby Player at (864) 656-8662, kplayer@clemson.edu.

HEHD Homecoming

The College of Health, Education and Human Development is holding its 2008 homecoming on Nov. 15, before the Tigers take on Duke.

The event, for HEHD alumni, students and their families, will include fun, food and games. For details, go to www.hehd. clemson.edu/pages/news_events/index.php.

AAH/BBS Real Estate Development event

Graduate students in the Master of Real Estate Development program, a joint program between the College of Architecture, Arts and Humanities and the College of Business and Behavioral Sciences, are planning a kick-off tailgate party before the game on Sept. 13 for MRED alumni and the members of the Advancement Board of the Center for Real Estate Development.

For more information, email Leila Blackmon at lblackmon@clemson.edu or call (352) 494-4830 or (864) 656-5675.

Do you have a special group or organization of former Clemson classmates you’d like to get together? We can help. Contact Dina Anderson, director of reunions and special events, at (864) 656-2345 or email dander4@clemson.edu.

For the very latest, go to www.clemson.edu/clemsonworld or contact Evan Vutsinas ’79 at gulf4casa.org.
changing the way we do business

your Alumni Association is changing — from its constitution and leadership dynamics to the way it reaches out to you individually and to your Clemson Clubs, academic organizations and other Clemson alumni groups.

the Alumni Association recently took a long hard look at itself. Alumni president Grant Burns and other leaders consulted with alumni across the country, established a task force and engaged outside as well as internal evaluation for a detailed self-study.

the result is a new strategic plan that will change the governing structure of the Alumni Association, benefit the University and, most importantly, expand opportunities for Clemson alumni.

we sat down with Wil Brasington, senior director of alumni relations, to get answers to a few questions that we think you might want to ask.

why the sudden change?

It's not sudden. The Clemson Alumni Association hasn't undergone a change of this magnitude in decades. We thought it was time to look at our organization and gauge its relevance in its current state. In other words, we wanted to see if we could better serve our alumni and the University with some reorganization and new approaches.

To make improvements, we needed to address the governing document, the Clemson Alumni Association Constitution. So we sat down and involved alumni across the country, established a task force and engaged outside as well as internal evaluation for a detailed self-study.

the new model calls for an Alumni Board of Directors of at least 12-19 members who serve three-year terms. They will have at least four regular meetings a year to carry out the core work — the budget, strategic planning, policy-setting and adhere to mission.

on top of that, we've asked them to be ambassadors, to help us keep up with campus concerns, alumni constituent groups, and the need for new services and much more. With recent University and alumni growth and advances, we feel the current Alumni National Council is being asked to do too much.

The new model's Alumni Council will greatly expand opportunities, the exchange of ideas and “best practices” among organized groups of alumni, and a heightened sense of awareness about issues important to Clemson.

What do those “governing changes” mean for me?

Fewer referred calls, quicker answers, more points of contact and expanded services.

With a broader, more diverse Alumni Council, we will have a deeper knowledge of what's going on with Clemson alumni across the state and across the country.

The on-campus representatives will help us become more involved with each academic college, school and department as it organizes and hosts alumni reunions and activities.

What won’t change?

• an open, non-dues association for all former students of Clemson University;
• current services such as top-notch travel programs, lifetime email forwarding, career assistance and networking opportunities, Clemson World magazine;
• award programs recognizing and thanking Clemson's finest alumni, faculty, public service professionals and others for their outstanding service and contributions to the University;
• special events to help alumni celebrate Clemson connections here and in their own communities through clubs and alumni groups.

What's the takeaway message you'd like to give all alumni?

As the University aspires to do an even greater job of serving its students, state, nation and beyond in its quest for top 20, we too aspire to do the same in meeting the needs and representing the interests of Clemson's outstanding alumni. It's our hope and intent — through these recent enhancements — that we'll be better prepared to accomplish this now and in the future.

Alumni president, 2008-2010

Leslie Dunlap Callison '81 of Lexington is the new Clemson Alumni Association president. She follows in the footsteps of her father, Thornwell Dunlap Jr. '53, who served as president, 1995-98. Callison's children, Caroline and Reel, are both Clemson students.

“I believe the Clemson experience can be a lifelong one for every alumnus,” says Callison. “My focus will be on connecting the University with as many graduates as possible, renewing in each of them the pride that is uniquely Clemson.”
For more information, contact Alumni Information at alumni@clemson.edu.

**Student Life**

**Clemson M B A! M B A!**

Clemson master’s in business administration (MBA) and master’s in marketing students pull together to raise funds for Special Olympics North Carolina. They competed with 16 MBA programs from across the country in the annual Duke MBA Games, winning in fundraising and the Olympic heat of briefcase tossing. But the real accomplishment was the encouragement and friendship they gave to the Special Olympics.

For more on Clemson’s MBA program, go to www.clemson.edu/mba. For alumni information, go to business@clemson.edu/MBA/alumni.

**SAA rallies for students**

Student Alumni Association (SAA) and its governing body SAC hosted a week of fun and traditional events honoring graduating seniors in April — from the Ring Ceremony and Senior Picnic to free Clemson ice cream and a “Rub the Rock” event. For more on SAA and SAC, go to www.clemson.edu/alumni/saa.

**Racing for Marines**

Semper Fi Society members stand at the finish line of the Lt. Col. Jimmie Dyess SK Run in honor of the heroic 1931 alumnus and U.S. Marine. Proceeds help fund the society, Toys for Tots and the Scroll of Honor memorial. Semper Fi Society includes Marine Corps reservists, prior-service Marines, officer candidates and supporters. It’s hosting a Marine alumni dinner open to all Clemson graduates and current students who are Marines, or are working to become a Marine, and their families. For more information, email sm/f_isoc@clemson.edu or go to www.clemsonmarines.com.

**Service project — Bahamas**

Laura-Allen Kerfin and Danni Davis visit a child-care center during their spring break trip to the island of Eleuthera. Students from the Clemson University Gospel Choir and Clemson Wesley Foundation joined forces during spring break for service in the rural islands of the Bahamas. They worked on construction projects, in schools and in medical clinics.

**Mission — Honduras**

Health science student Chris Hopkins and nursing student Casey Skefink use summer “vacations” for a medical mission to Hospital Bautista in Guaimaca, Honduras.

**Getting in ‘leader shape’**

Fifty-four Clemson students spent the first week of summer break participating in the national LeaderShape Inc. — a unique curriculum for top universities across the country to “improve society by inspiring leadership with integrity.” To learn about Clemson's Center for Student Involvement, go to www.clemson.edu/studentinvolvement.

**Classroom — Italy**

Communication studies student Rich Wills, center, is studying in Paderno del Grappa, Italy, through the Consortium of Universities for International Studies. He’s pictured with friends on Mount Grappa just outside his campus. Clemson participates in the program as part of CIMBA: Consortium Institute of Management and Business Analysis.

**Laboratory — African grasslands**

Natural resources students study ecology in the grasslands of South Africa. The Clemson class trip, conducted during spring break, is the first American educational class to visit the Kgalagadi Transfrontier Park between South Africa and Botswana. The course was taught by foresters and natural resources professors Bill Bowerman and Drew Lanham.

**Health services to Sacramento**

Health educator Salley Palmer Ouellette (left) and student Emily Rita Accipiter, of Clemson’s Student Health Services, meet NBA star Kobe Bryant during the National Tobacco Symposium on Young Adults in Sacramento, Calif. Clemson offers CU Quit, through Redfern’s Office of Health Promotion, which gives individual tobacco cessation counseling and “quit kits.” For more information, call (864) 656-0532.

**Top-10 Baja SAE**

Clemson students place ninth in the Baja SAE (Society of Automotive Engineers) International Collegiate Design Competition in May. Clemson’s team, comprised of students from various majors, began last fall designing, creating and testing an off-road vehicle from scratch. For more on the Clemson Baja SAE team, go to www.ces.clemson.edu/sae/minibaja.

**All that jazz**

Upstate college students enjoy “Love and Jazz” — a concert featuring international flutist Galen Abdur-Razzaq. From left are Furman student Shira Ratliff and Clemson graduating seniors Ashlynn Jackson and Brittani Harmon. The Clemson event was sponsored during Black History Month by the Office of Multicultural Programs and Services, WSBF, Council on Diversity Affairs, Graduate Student Government, Lambda Theta Chapter of Alpha Kappa Alpha Sorority Inc. and CLEMSONLIVE.
The Clemson Family

The Clemson Family

Walter’s ring goes home

“Bobby L. Huguley ’52

Thanks to the education graduate Bobby Huguley of Columbia, the 1950 'found' Clemson ring mentioned in the winter issue of Clemson World has been returned to its owner.

Huguley, a retired Jefferson-Pilot Corp. executive, decided to track down the owner of the ring found in a Clemson gas station restroom in 1950 or 1954. He learned that it was in the possession of an ex-Federal police chief. He then bought the ring for a weekend by leaving his own ring as collateral!

As a result, Huguley and his son *Bobby L. Huguley ’52

Textile engineering graduate Nicky Dorsey of Seabrook Island — retired engineer and president of Submarion Inc. in Charlotte, N.C. — recently made an appearance on German and Austrian TV in a new documentary project World War II Germany. He and several other former soldiers from the Allied countries that had occupied Germany were interviewed for the documentary on the last six months and years after the war — “Das Endkrieg” (“Those days after the war”).

During the war, Mickey was commander of an armored car called “The Four Rebels,” which had the distinction of penetrating enemy lines and progressing the farthest east of all Allied units during combat to near Waidhofen, Austria. It was also the first to arrive in the liberation of the concentration camp Gusen-Kirchen Lager.

Dorsey has received medals from the Jewish Community Council of California and the nation of Israel. Two years ago he was made an honorary member of the Austrian World War II Veterans Association for his honored service.

‘Those days after the war’

Mason “Mickey” H. Dorsey ’49

1940s

“The Life at the Clemson College Hotel During World War II and After,” by history professor emeritus *Ernest "Whity" Lander, has been reprinted and is available at the Pendleton District Historical Commission and at McClure’s Bookshop in Clemson.

1950

Leigh H. Hammond (AGCEN) of Raleigh, N.C., a retired professor of economics and associate vice chancellor at N.C. State University, received the Outstanding Alumnus Award and the William L. Turner Award for Outstanding Public Service from the university. Friends and associates endorsed the Leigh H. Hammond Scholarship in economics at N.C. State, and he has been honored with the Order of the Long Leaf Pine, North Carolina’s highest civil award, twice.

1952

Henry O. EuBanks Jr. (ARCH) of Matthews, N.C., is working with the Korean War Veterans Association to erect the N.C. Korean War Memorial. He would like any interested Clemson alumni and friends to contact him at heubnk@aol.com.

1955

George U. Bennett (A&S) of Clemson recently received the S.C. Athletic Hall of Fame Distinguished Service Award. Bennett, who served as executive secretary to IPTAY for 22 years and is a member of the Clemson Athletics Hall of Fame, has also received the Clemson Alumni Association Distinguished Service Award and a Lifetime Achievement Award from the National Association of Athletics Directors.

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The Clemson Family

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1957

J. Glenn Cantrell (ECON) of Anderson, the senior vice president and area executive for Capital Bank. Cantrell, who joined the Vandy Hayford Foundation and the Urban Land Institute, director of the U.S. Ski & Snowboard Team and in many other leadership roles.

For the University, his president of the Clemson University Foundation Board, an Alumni Fellow and a generous scholarship supporter.

Hammond is a native of Easley was elected to the S.C. Clemson Alumni Association Fall 2007. He was named Georgia Runner of the Year in 1987 and Brammer Creek Citizen of the Year in 2004. Department of Transportation Commission, representing the 3rd Congressional District. He is president and CEO of Blue Ridge Electric Cooperative Inc.

1969

*J. Glenn Cantrell (ECON) of Anderson is senior vice president and area executive for Capital Bank.

1970

*Geoffrey A. Southgate (CRE) of Calhoun, Ga., was named Georgia Runner’s Grand Prix Runner of the Year in 2007.

1977

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1980

*Callie A. Turner is married to personnel services graduate James A. Campbell Jr. of Wellington, Fla., and has twice been selected as one of the Wendy’s systems top franchise operators and has twice been recognized as Wendy’s Hall of Famer. Turner is chair of the Wendy’s Hall of Fame.

1987

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1990

*Larry R. Young is working with the Korean War Veterans Association to erect the N.C. Korean War Memorial. He was a senior staff member for U.S. Sen. Strom Thurmond. He has joined the law firm of Allenbaugh Samini LLP as a senior partner.

1994

*William R. Short (INMGT) of Roswell, Ga., is president and CEO of Touchmark Bancshares Inc. and Touchmark National Bank.

1995

*Mark G. Alexander is serving as Vail Associates Inc. president and chief executive officer. He has joined the firm of Althea Ammons LLP as a senior partner.

1998

*Earl T. Huger (ECON) of Silver Spring, Md., is practicing law in Washington, D.C., and has been named an honorary member of the American Bar Association for his work on behalf of the National Association of Federal Circuit Judges.

2000

*Michelle K. Turner is married to personnel services graduate James A. Campbell Jr. of Wellington, Fla., and has twice been selected as one of the Wendy’s systems top franchise operators and has twice been recognized as Wendy’s Hall of Famer. Turner is chair of the Wendy’s Hall of Fame.

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Harry C. Faircloth of the Ornithology Research Group at the National Aviary in Baltimore. He is also on the board of directors for The Nature Conservancy and the American Ornithologists’ Union.

2010
• J. Scott Andrew (ADMS-PV, EdS ‘93, PhD ‘95) of Madison, Wis., is vice president of Johnson Controls, Inc.

2011
• Mary Caroline Heath Walker (PRTM) of Atlanta, Ga., has published a second book, "Managing Life with Kids: Love, Loss, Feel Great!"

2012
• Thomas DuPree (CE) of Madison, Wis., has helped prepare the report "A California Challenge" on the flooding problems facing that state.

2013
• Curt H. Pyler (FINMGT) of Raleigh, N.C., is a principal with Fort Hill Association LLP, a consultancy specializing in contract audits and preconstruction reviews.

2014
• Dani L. Whaley (PRTM) of Simpsonville is an account executive for the U.S. Census Bureau's 2010 Census.

2015
• Nicki Fernandez Mitchell (PRTM) of Atlanta, Ga., is a life sciences practical specialist with Egon Zehnder International.

2016
• Elizabeth J. Pendleton (ECHD) of Charlotte, N.C., received National Board Certification. She teaches in Charlotte-Mecklenburg Schools.

2017
• Amanda Tieder Somers (P-HYFT) of Greer received a degree in physical therapy from MUSC. She's owner of Sports Spine & Industrial Therapy and Performance Training Center with offices in Greer, Simpsonville and Greenville.

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2025
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manager for Rosenfeld Einstein, an insurance brokerage and consulting firm.

1994
*Alice Cartledge Evatt (ACCT, M ’97 HDR) of Seneca is treasurer for the Clemson University Foundation. She’s assistant treasurer and business officer for the University’s advancement division.

*David A. Poe (MKTG) of Atlanta, Ga., is a sales executive for the Mansion on Peachtree, a luxury hotel and recreation community.

1996
Kristen Rennie Lee (SP&COMM) of Bluffton, S.C., was previously with the Boston Consulting Group based in Atlanta.

Benjamin S. Whitten (DESIGN) of Charleston is a principal with the architectural firm of Cummings & McCloy Inc.

1999
L. Kevin Bell (PRTM) of Greenville was inducte...
The Litter Hitter wants YOU to keep Clemson clean!

Tigers with BlackBaud

When an alumnus posted a memo announcing a Clemson alumni group shot of employees for BlackBaud Inc. in Charleston — look what happened! Most of these alumni are from the College of Business and Behavioral Science, but all of Clemson’s academic colleges are represented. BlackBaud is a supplier of software specifically designed for not-for-profit organizations.

immunology for the second year and was selected to attend the Federation of Clinical Immunology Societies advanced course. He lives on the Range, a community of graduate students in Thomas Jefferson’s “Academical Village,” and serves as social chair.

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For more information, call Annual Giving at (864) 656-5896.

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First Savers opens with orange

First Savers Bank employees, many of them Clemson alumni, open the newest branch in Seneca with special guests. Jeff Davis ’84, consensus All-American and 1981 ACC Player of the Year. Front row, from left, are Dave Bailey ’91, Holly Windham, Jennifer Gibby and Lisa Reed ’92. Back row: Paula Buckles, Pat McShae, Davis, Art Wray ’83, and Jimmy League ’72 (board chairman).
Peru

Iraq

West Africa
David Goodman '06 at a village school in Nalerigu, Ghana, during a medical mission.

India
J. Adam '07 and Rebekkah M '07 Beeco outside Desert National Park near Jaisalmer, Rajasthan.

Italy
Michael Garcia '08 and his sister, Lauren Garcia (Clemson student), at the Trevi Fountain in Rome.

China 1
*Chip Dukes '92 (third from left) with friends in front of the Beijing Olympic Stadium.

China 2
Clemson professor Emeriti *Myles Wallace (second from left) and *Susan Wallace (second from right) with assistant Yiheng Huang and alumni Wei Yu M '88, PhD '92 and Shahriar Hasan M '92, PhD '95 in Shanghai.

Honduras
Jeremy Petty '93 on a mission in Tierra Blanca.

Australia
*Bruce '80 and *Anne McKinney '80 Cottle on Fox Glacier in Westland National Park.

New Zealand

New Mexico
"Michael Kohan '76, center, with son, Joel '06, and daughters, Jocelyn (Clemson student), at Santa Fe Ski Basin.

Hawaii
*Jack '78 and *Beth White '79 Marchette in Waimano Valley, Big Island.

Bahamas cruise
*Judith William Davies '79 with husband, "Tom, aboard the Queen Mary II on the way back from Eleuthera.

Jamaica
*Bruce '80 and *Anne McKinney '80 Cottle on Fox Glacier in Westland National Park.

France 1
LaShawn Strange '95 in Wissembourg, Alsace.

France 2

New Mexico
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Student Affairs gala

Student Affairs celebrated its 10th annual fundraising gala — “one night that shines all year” — in a ballroom setting at the Carolina First Gallery at C-ICAR. Through corporate sponsorships, personal donations — including the recognition of a $25,000 pledge from Roger and Kathy Troutman ’74 — and auctioned items, the division raised money to fund campus safety, leadership and diversity initiatives.

Osher and Cheezems support lifelong learning

Two major gifts will help Clemson provide opportunities for adults to further their knowledge in both academic and recreational pursuits and to share their experience and interests with others.

The Osher Lifelong Learning Institute (OLLI) at Clemson can set a steady course for the future, thanks to a $1 million endowment from the Bernard Osher Foundation of San Francisco.

The Osher Foundation has awarded $1,050,000, including $1 million for an OLLI endowment and $50,000 in a grant to cover operating costs until the endowment begins producing revenue.

The foundation’s support of the Clemson-based program goes back to 2005 with the first of three annual $100,000 grants.

OLLI will have a permanent home, too — the Charles K. Cheezem Education Center in Patrick Square — thanks to Patrick Square LLC and the Cheezem family.

The new OLLI structure, a two-story neo-Georgian building, will stand as a focal point in Patrick Square’s Town Center on Issaqueena Trail. The building and land are valued at $1.6 million.

The square is a planned, mixed-use, traditional neighborhood development.

Charles Cheezem is a 1944 graduate of Clemson and the father of Patrick Square principal and president J. Michael Cheezem of St. Petersburg, Fla.

Brett Wright, chairman of parks, recreation and tourism management; Ed Krech, OLLI board president; Jim Barker; Michael Cheezem, Patrick Square principal and president; Charlie Cheezem, for whom the future OLLI home is named; and Larry Allen, dean of the College of Health, Education and Human Development.

Visionary People.
Visionary Giving.

What can you do today to make an impact on the future?

Follow Sam ’43 and Pat Deal’s example. They committed a charitable remainder unitrust valued at $1.125 million to Clemson University and have irrevocably named the Clemson University Foundation as the charitable beneficiary.

Their visionary investment will help bring some of Clemson’s alternative energy initiatives to fruition and the laboratory research into usable products for American homeowners, ultimately changing the course of energy consumption, pollution and environmental well-being for generations to come.

Join the Deals in leading the future. Learn how you can plan a future gift by calling JoVanina King at (864) 656-0663 or jovanna@clemson.edu.

Commitment

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Two major gifts will help Clemson provide opportunities for adults to further their knowledge in both academic and recreational pursuits and to share their experience and interests with others.

The Osher Lifelong Learning Institute (OLLI) at Clemson can set a steady course for the future, thanks to a $1 million endowment from the Bernard Osher Foundation of San Francisco.

The Osher Foundation has awarded $1,050,000, including $1 million for an OLLI endowment and $50,000 in a grant to cover operating costs until the endowment begins producing revenue. The foundation’s support of the Clemson-based program goes back to 2005 with the first of three annual $100,000 grants.

OLLI will have a permanent home, too — the Charles K. Cheezem Education Center in Patrick Square — thanks to Patrick Square LLC and the Cheezem family.

The new OLLI structure, a two-story neo-Georgian building, will stand as a focal point in Patrick Square’s Town Center on Issaqueena Trail. The building and land are valued at $1.6 million. The square is a planned, mixed-use, traditional neighborhood development.

Charles Cheezem is a 1944 graduate of Clemson and the father of Patrick Square principal and president J. Michael Cheezem of St. Petersburg, Fla.

OLLI is open to residents of the Upstate area and is operated through Clemson’s parks, recreation and tourism management department. For more information, call (864) 656-0663 or email OLLI@clemson.edu or visit the Web at www.clemson.edu/OLLI.

Center for Visual Arts

More than 200 intriguing works of art were auctioned off to the highest bidders in April to raise funds for Clemson’s Center for Visual Arts. The new center will transcend a conventional art museum and serve as a place where students, visitors and scholars can engage directly in all facets of the creative process. For more information, go to www.clemson.edu/caah/leegallery/cva.

Visionary People.
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What can you do today to make an impact on the future?

Follow Sam ’43 and Pat Deal’s example. They committed a charitable remainder unitrust valued at $1.125 million to Clemson University and have irrevocably named the Clemson University Foundation as the charitable beneficiary.

Their visionary investment will help bring some of Clemson’s alternative energy initiatives to fruition and the laboratory research into usable products for American homeowners, ultimately changing the course of energy consumption, pollution and environmental well-being for generations to come.

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Race to the Rock

President Barker leads off the 2008 President’s Race for the Library — a.k.a., Race to the Rock — to raise funds for Clemson Libraries. Thanks go to title sponsors Wendy’s and Oconee Medical Center, to BB&T for all the bottled water, and to professor Bob Brookover and his parks, recreation and tourism management class for organizing the race.

Student Affairs gala

Student Affairs celebrated its 10th annual fundraising gala — “one night that shines all year” — in a ballroom setting at the Carolina First Gallery at C-ICAR. Through corporate sponsorships, personal donations — including the recognition of a $25,000 pledge from Roger and Kathy Troutman ’74 — and auctioned items, the division raised money to fund campus safety, leadership and diversity initiatives.

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Open for business

When BMW unveiled its new X6 Sports Activity Coupe earlier this year, it shined its good news on Clemson's Carroll A. Campbell Jr. Graduate Engineering Center at CU-ICAR (Clemson University International Center for Automotive Research). The Campbell Center, which opened last fall, features state-of-the-art research, testing and educational facilities in an environment that allows students and faculty to interact daily with industry researchers.

CU-ICAR is a new model for economic development in South Carolina, matching Clemson's strengths in automotive engineering with the state's vibrant automotive economic cluster including BMW, Michelin, Timken and other industry leaders.

Look for the latest on CU-ICAR in the fall/Nov. 2008 issue of Clemson World.
Restoring the joy of teaching

Untangling Rett syndrome

Clemson’s cyber muscle

First in the family
Hosting the Clemson Experience

The next time you visit Clemson, enjoy luxurious accommodations, meeting space overlooking Lake Hartwell and an 18-hole championship golf course. Comfort meets business meets recreation all in one place.