Wind energy quest
FEATURES

10 Clemson at forefront of wind energy quest
   Discover what wind energy will mean to us and how the University will play a central role.

13 Lifelong Tigers
   Meet the Alumni Association’s 2010 Distinguished Service Award recipients.

16 Clemson Scholars show world smarts
   See how Clemson National Scholars are living up to their name.

20 Deep Orange gets the green light
   Find out why the car of the not-too-distant future just might be Deep Orange.

DEPARTMENTS

President’s View 2
Upfront 4
Clemson Family 26
Classmates
Lifelong Connections 40
Landmarks & Legends — So that we never forget —
   The stories behind Clemson’s new Scroll of Honor Memorial
Giving Back 46
My Clemson — 48
   Air Force Capt. Justin Long ’03

EXTRAS ON THE WEB

Check out the Alumni Association’s fresh new look at www.clemson.edu/alumni/brand-video.htm.
See the University’s year in review “Clemson 2009” at www.youtube.com/clemson university.
View Clemson World online with lots of Web extras at www.clemson.edu/clemsonworld.

CW DYK? “Did You Know” facts about Clemson University.
Uniquely Clemson

“Alumni classes and other constituent groups have supported projects to enhance or shape our campus, or to enrich the educational experience of Clemson students.”

A n article in this issue tells the story behind Clemson’s most visible new landmark, the Scroll of Honor Memorial. It was dedicated this spring in a ceremony that was both moving and significant.

Located just across the street from Memorial Stadium and Howard’s Rock, the Scroll of Honor Memorial pays tribute to all 468 Clemson alumni who, to this date in history, have died in service to our country.

But what does this new landmark have in common with other prominent campus features like the Carillon Garden, Cox Plaza or the stone entrance gates?

Each of these uniquely Clemson sites was made possible by gifts from alumni, students or organizations, even the ’55 Exchange in Hendrix Student Center, where you buy your Clemson ice cream and blue cheese.

For the Scroll of Honor, the unique aspect is alumni who have given to physical musicians.

The Clemson Corps, for example, gives to the Scroll of Honor Memorial and to ROTC scholarships. The Tiger Band Association supports awards and scholarships for student musicians.

The Class of 1939 has done it all — literally. They hit a triple by giving to physical landscape projects to list each one. A small sample includes:

- Lee Hall
- Class of 1944 Visitors Center, including professorships, chairs, awards and other stipends
- Class of 1957 Rotunda in President’s Park and Class of 1960 North Campus Green
- Class of 1939 Faculty Award for Excellence
- Class of 1956 Rutan Boathouse
- East and West Post Office Plaza
- The Reserve
- Patrick Square
- The Clemson Corps
- The 1955 Exchange in Hendrix Student Center, where you buy your Clemson ice cream and blue cheese.

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There are too many notable campus building and landscape projects to list each one. A small sample includes:

- Class of 1939 Faculty Award for Excellence, including professorships, chairs, awards and other stipends
- Class of 1944 Visitors Center, including professorships, chairs, awards and other stipends
- Class of 1957 Rutan Boathouse in President’s Park and Class of 1960 North Campus Green project
- To find your class project, go to www.clemson.edu/classprojects. For more giving information, go to www.clemson.edu/giving.

New flash forward 70 years. The Class of 2009 will leave its mark on Clemson by putting its class gift toward the expansion, renovation and restoration of Lee Hall. Why? Because Lee Hall is Clemson’s top priority for facilities support right now.

In the midst of a once-in-a-generation recession (we hope!), this dedicated and pragmatic group of seniors asked me: “What is Clemson’s most pressing need today?”

We answered by outlining our top priorities for private donations:

- student support, including undergraduate scholarships, and graduate student fellowships and assistantships
- faculty support, including professorships, chairs, awards and other stipends
- Lee Hall

Lee Hall is outdated and seriously overcrowded. It has about half the space needed for the programs and students it serves. While other building priorities had to be postponed for budget reasons last year, Lee Hall rose to the top of our priority list because it also qualified for federal stimulus funding, which is restricted to renovation and maintenance projects.

We broke ground on the Lee Hall project in April, with the help of the Class of 2009. These young people, our youngest alumni, have stepped up to join the long and proud line of Clemson men and women whose generosity has left its mark on our students and our campus forever.

Our gratitude to all of you is impossible to calculate. It will endure forever, too.

President
James F. Barker, FAIA
Proterra brings jobs, clean-energy research

Proterra Inc., which develops and assembles fuel cell hybrid-powered transit vehicles, will locate a facility for research and development as well as assembly at the Clemson University International Center for Automotive Research (CU-ICAR) in Greenville. “This new facility will be our first full-scale, state-of-the-art research and development and manufacturing facility for our groundbreaking clean transportation solutions,” says Jeff Granato, CEO of Proterra Inc.

The company and its partners design, develop and assemble all-electric and battery-dominant hybrid drive solutions and complete vehicles for commercial applications, including transit, school and commercial buses; parcel delivery vehicles; and other class 4-8 trucks.

Proterra anticipates that it will invest $68 million and create 1,300 new jobs over the next seven years in Greenville County. The company will require a variety of skilled workers to support functions such as mechanical assembly, warehouse, logistics, management, engineering and quality assurance. It will lease 25 acres in CU-ICAR’s Technology Neighborhood Three to construct a 240,000-square-foot building initially, with potential expansion into the entire 50-acre site.

Proterra’s very first vehicle, a battery-dominant fuel cell-hybrid transit bus funded by the transit administration, is in service in Columbia. The company is headquartered in Golden, Colo. For more on Proterra, go to www.proterraonline.com. For more about CU-ICAR, go to www.cuicar.com.

Rocket launch at Poker Flat

STUDENTS TRAVELED TO FAIRBANKS, ALASKA, with physics and astronomy professor Miguel Larsen in February to conduct a rocket launch to study the interaction between the ionosphere and the atmosphere in the auroral oval from the rocket range at Poker Flat. While there, the Clemson group took in the start of the annual Yukon Quest dog sled race between Fairbanks and Whitehorse.

For several years, Larsen has guided Clemson students in NASA-funded research at the University of Alaska Geophysical Institute’s Poker Flat Research Range, Alaska’s center for arctic space and atmospheric research. For more information, contact Larsen at mlarsen@clemson.edu or 864-656-5309.

Optoelectronics Research Center of Economic Excellence

PRIVATE GIFTS FROM TELECOMMUNICATION COMPANIES COMPORIUM and PalmettoNet of South Carolina, along with a state match, have raised $4 million to establish an Optoelectronics Research Center of Economic Excellence at Clemson.

The new Center of Economic Excellence — in Clemson’s Holcombe Department of Electrical and Computer Engineering — will be supported by the PalmettoNet Endowed Chair in Optoelectronics and the Comporium Fund for Excellence in Optoelectronics.

It will be the nexus for a community of scholars and entrepreneurs with shared interests and expertise in optoelectronics research — the study of the interaction of light with electronic devices using photons and electrons. The field focuses on improving devices, systems and protocols used in high-speed communication networks — from computer screens to defense systems.

The center will be co-located and partnered with Clemson’s Center for Optical Materials Science and Engineering Technologies at the Advanced Materials Research Laboratory in Anderson County. Comporium of Rock Hill and PalmettoNet of Columbia invested $1 million each to support the research and educational activities of the center. That money will be matched by the state for a $4 million total investment.

Comporium is a diversified telecommunications company in the Carolinas, second largest telephone exchange company in the state and 16th largest in the nation. PalmettoNet provides fiber optic broadband capacity to the secondary and tertiary markets of the Carolinas. Its founding members include Comporium and other telephone companies in the state that joined forces to offer customers and Interexchange carriers the most advanced telecommunications technology available.

Double the knowledge, double the experience

Clemson’s first group of Transatlantic Double Degree in International Business students are taking advantage of a new program that immerses students in foreign cultures and allows them to gain new perspectives on business. It offers undergraduates an opportunity to earn two bachelor’s degrees in four years while studying at the Aarhus School of Business in Denmark, Universidad Carlos III de Madrid in Spain and Clemson’s College of Business and Behavioral Science. For more information, contact Mark McKnew at mmcknew@clemson.edu or call 864-656-2685.

Host for global teachers

For the second year, Clemson University’s Eugene T. Moore School of Education has been awarded a grant of more than $160,000 to be one of five universities hosting teachers from around the globe.

Community service honor roll

For the third year in a row, Clemson has been named to the President’s Higher Education Community Service Honor Roll, the highest federal recognition a college or university can receive for its commitment to volunteering, service-learning and civic engagement.

Palmetto members support PalmettoNet's mission to provide broadband to all of North and South Carolina. The members are: South Carolina Electric Cooperatives, with Clemson President Jim Barker (center), president and CEO of PalmettoNet, and Bryant R. Vernon Williams (left), president and CEO of PalmettoNet of South Carolina, along with a state match, have raised $4 million to establish an Optoelectronics Research Center of Economic Excellence at Clemson. The new Center of Economic Excellence — in Clemson’s Holcombe Department of Electrical and Computer Engineering — will be supported by the PalmettoNet Endowed Chair in Optoelectronics and the Comporium Fund for Excellence in Optoelectronics.

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Clemson leads $6M tech initiative for cyber research, education

THE UNIVERSITY IS LEADING A CYBERINFRASTRUCTURE PROJECT that has earned a $6 million grant from the National Science Foundation’s Office of Experimental Program to Stimulate Competitive Research. The federal funding will provide S.C. institutions with supercomputing capability for collaboration and bringing information and national data resources.

South Carolina and Tennessee will partner to support shared information research between various universities and national data. The initiative will advance study and understanding of advanced materials and systems biology, two domains where computational science is the driving force. This project will offer research faculty at regional institutions access to national computational data and supercomputing resources.

This grant supplements significant cyberinfrastructure investments by federal, state and private sources in both states made in recent years. The funds will be used to hire research scientists who will facilitate network improvements and the expansion, development and use of software specific to the systems biology and materials disciplines. Clemson’s chief information officer, James Bottum, is principal investigator for the grant in South Carolina.

Open Parks Grid at your fingertips

Clemson and the National Park Service plan to take parks information out of a virtual wilderness and place it at the fingertips of the people most likely to use it. They are collaborating on the Open Parks Grid, a project using state-of-the-art Internet and computer technology to assemble information that empowers a community of people who use, manage and study parks.

The Open Parks Grid will match the right knowledge with park managers who need it when they need it — “just-in-time knowledge” according to Brett Wright, chairman of Clemson’s parks, recreation and tourism management (PRTM) department. It can also notify managers when new information becomes available. Clemson’s PRTM department, computing and information technology division and R.M. Cooper Library are working with the Southeast Region on the project. The grid will utilize cyberinfrastructure developed by Clemson computing and information-retrieval specialists to combine a search engine and online library of information and artifacts with maps, educational materials and tools for the individual park communities to organize around shared park interests.

The Open Parks Grid is being tested at Great Smoky Mountains National Park, Congaree National Park, Cowpens National Battlefield, Ninety-Six National Historic Site and Augusta Canal National Heritage Area. For more information, contact Cheryl Wright at cwright@clemson.edu or 864-656-3036.

Women Track & Field wins ACC!

TWELVE ALL-AMERICA HONORS, SIX ACC INDIVIDUAL EVENT CHAMPIONS, an ACC team title and a seventh-place NCAA finish highlight Clemson’s 2009-10 women’s indoor track and field season.

Clemson’s margin of victory was the largest at any ACC women’s indoor track meet since 1997 season. The Tigers also produced a school-record six indoor champions, including five individuals and the mile relay. April Sinkler took home crowns for the second straight year in the high jump and long jump. Liane Weber won her third pentathlon championship in four years. Kim Ruck dominated the 5K from start to finish, and Brianna Rollins took the gold in the 200-meter dash.

The icing on the cake was the top finish in the 4x400-meter relay by all-freshmen team Brittany Pringley, Rollins, Sonni Austin and Jasmine Edgerson.

Helping older adults manage care

The U.S. Department of Health and Human Services awarded Clemson’s College of Health, Education and Human Development professor Cheryl Dye and her colleagues two grants totaling more than $700,000 for programs that help local older adults manage chronic health conditions.

Dye, director of the Institute for Engaged Aging, is working with Deborah Willoughby of nursing and Joel Williams of public health sciences on programs that teach older Oconee County residents techniques for managing their chronic conditions through the assistance of community volunteers.

The first program received approximately $375,000 of the federal funding. Dye and Willoughby trained 46 community volunteers to be “health coaches” and paired them with 70 high-risk, discharged home-health services patients. The health coaches helped the patients learn to manage chronic illnesses like diabetes and heart disease with techniques such as medication management, healthy eating and physical activity.

The health coaches also socialized with patients and helped them gain access to community resources to reduce utility bills, find food assistance and locate volunteers for home repairs. For more information, contact Dye at tcheryl@clemson.edu or 864-656-4442.

Environmental justice award

A statewide team including the Clemson University Restoration Institute received a 2009 Environmental Justice Achievement Award from the U.S. Environmental Protection Agency, recognizing the success of partnerships in addressing environmental justice issues or adopting goals to improve a community.

Best value

The Princeton Review Best Value Colleges for 2010, presented by USA TODAY, includes Clemson as one of the nation’s 50 best values in public colleges and universities.
Wanted: nature-based sculpture memories

Remember the first time you saw the Crucible tucked away in the S.C. Botanical Garden? Or the Clemson Clay Nest? Or the “stick castle” called Sittin’ Pretty? Or any of the other amazing nature-based sculptures featured throughout the garden?

The S.C. Botanical Garden’s staff has joined with former artists-in-residence and a team of collaborators across campus to produce a series of publications both for academic study and public outreach. This project offers a unique creative venue with a new Web site and a book that you can help create.

Alumni, faculty, staff and community members are asked to offer reflections, memories and anecdotes centered on the garden sculptures. Just go to naturebasedart.org or contact Dylan Wolfe at dwolfe@clemson.edu or 864-656-4515.

Designing for S.C. communities

The S.C. Commission on Higher Education has awarded this year’s Service Learning Award to a LINE.ments, a public service design studio in Clemson’s planning and landscape architecture department.

a.LINE.ments is a multidisciplinary community design studio that allows both graduate and undergraduate students to gain hands-on experience in designing projects that solve a problem or a concern in local communities. Since the program’s inception in 2006, more than 270 Clemson students have helped create community master plans, parks, streetscapes, playgrounds and civic spaces.

Under the guidance of director Mary Beth Mc Cubbin, student designs often lead to city grants and plans to put the designs into practice. Past projects include plans for a park with activities for people with disabilities in Greenwood and Safe Routes to School, a project in which students evaluated the safety of every street in Fountain Inn and proposed recommendations to improve pedestrian walkways. Both projects are currently being implemented. For more information, contact McCubbin at mc cubbin@clemson.edu or 864-656-2471.

Call Me MISTER® on Capitol Hill

Clemson’s Call Me MISTER Program was recognized before national education leaders and lawmakers during a Capitol Hill briefing as a program that effectively addresses one of America’s daunting challenges. The College Board held the briefing earlier this year to release the new study “The Educational Crisis Facing Young Men of Color.”

The report calls on policymakers at the federal, state and local levels, as well as foundation and community leaders, to heighten public awareness and explore policy options to improve the plight of young minority men. Call Me MISTER, an innovative program based in Clemson’s Eugene T. Moore School of Education, collaborates with other schools throughout the state to increase the number of African American male teachers in S.C. public elementary classrooms. For more information, go to www.callmemister.clemson.edu or e-mail mister@clemson.edu.

National Transportation Research’s best students

The National Transportation Research Center Inc. has recognized two Clemson students as top in the nation. John Limroth, a recent graduate with a doctorate in automotive engineering, was named Student of the Year. Michael Arant, a master’s student in mechanical engineering, was named Outstanding Student Researcher.
In November 2009, the Clemson University Restoration Institute in North Charleston and its partners landed $98 million in funding to develop next-generation wind turbines.

In doing so, the Restoration Institute brought to South Carolina one of the most important wind energy research and development initiatives in the world and placed Clemson at the forefront of the nation’s alternative energy quest.

The move is expected to generate an economic boom for the region by creating new jobs and an industry that will complement Clemson’s other economic development successes: the Clemson University International Center for Automotive Research (CU-ICAR) in Greenville and the Clemson University Advanced Materials Center in Anderson County.

The Restoration Institute and the drive-train testing facility will include a graduate education component, the cornerstone of any Clemson public-private business model.

What it is and why it matters

A drive train takes energy generated by a turbine’s blades and increases the rotational speed to drive the electric generator, similar to the transmission in a car. Wind is an ideal source for that energy.

Increasing demand and environmental concerns are forcing the U.S. to diversify its energy sources. Wind energy — one of those alternative sources — has the potential to meet at least 20 percent of the growing demand.

With this facility, the Restoration Institute will test the next-generation wind turbines and drive trains that will help shape the U.S. wind industry.

Needless to say, such a project comes with a hefty price tag. The Restoration Institute and its partners received a $45 million grant from the U.S. Department of Energy, which will be combined with $53 million in matching funds from public and private partners.

The University’s partners include the South Carolina Department of Commerce, state of South Carolina, S.C. Public Railways, S.C. State Ports Authority, REINK Labsco, Tony Bakker and James Meadors. Additional partners that helped write the grant proposal are Savannah River National Laboratory, SCEL and Fluor.

The testing facility will be housed in Building 69, a former Navy warehouse with adjacent rail and ship-handling infrastructure that will be capable of testing full-scale wind turbine drive trains in the 5-20 megawatt range.

Put simply, Clemson’s testing facility will have no rival, having the greatest capacity of any wind turbine drive-train testing site in the world. The facility has a target operational date in the third quarter of 2012.

“Selection of the Restoration Institute for the test site added an entirely new dimension to the University,” says John Kelly, executive director of the Clemson University Restoration Institute and vice president of public service and agriculture.

Kelly says the award builds on Clemson’s strength in research, education and will support establishment of a wind-energy manufacturing cluster in South Carolina.

The U.S. Department of Energy estimated in its “20% Wind by 2030” report that South Carolina could gain 10,000 to 20,000 new jobs related to the wind power industry during the next 20 years.

In the short term, the initiative should create at least 113 temporary jobs associated with construction of the facility and 21 full-time jobs. It’s also projected to generate 568 indirect jobs.

“As the wind-energy market emerges along the East Coast and turbines continue to grow in size and weight, South Carolina is strategically positioned to serve as an industrial hub for this evolving industry,” says Kelly.

The state-of-the-art testing facility, South Carolina’s outstanding port and large-scale shipbuilding facilities, local steel manufacturing and world-renowned research institutions mean the state — and Clemson — will play a central role in realizing the nation’s energy goals.

“A research university like Clemson is well-positioned to drive economic development,” says Kelly. “Clemson’s track record of successful collaboration with partners in industry and the public sector will serve us well.”

As wind and other alternative energy technologies become larger and more complex, South Carolina is positioned to become a manufacturing hub that can serve the growing energy demands along the U.S. East Coast and beyond.

Clemson is ready to lead the way.
More than wind energy

In addition to wind energy, the Clemson University Restoration Institute has other key research going on at its North Charleston research campus.

It’s home to the Clemson Conservation Center at the Warren Lasch Laboratory, where conservators are working on the 1864 submarine H.L. Hunley. As well as preserving the past, application of their work could increase the durability of offshore wind turbines and enable them to better withstand the corrosive effects of salt water. This research bolstered the institute’s successful bid for the Department of Energy grant.

A statewide team that includes the institute’s community revitalization focus area received the 2009 Environmental Justice Achievement Award from the U.S. Environmental Protection Agency. The national award recognizes the success of partnerships in addressing environmental justice issues or adopting goals to improve a community. Contributing to the award, Clemson professor Victoria Charse (planning and landscape architecture) led a service-learning team of students who produced a series of designs to revitalize the Stromboli corridor in North Charleston, an area of underserved neighborhoods located barely a mile from the Restoration Institute.

And the Center for Watershed Excellence has teamed with the city of Aiken and engineering firm Woolpert Inc. to design and implement natural treatment systems that will greatly enhance stormwater infiltration in downtown watersheds. Gene Eidson, director of the Center for Watershed Excellence and of the institute’s restoration ecology focus area, worked with community leaders to secure a $3.3 million grant from the U.S. Environmental Protection Agency to implement key elements of the city’s Green Infrastructure project.

Lifelong Tigers

These five alumni are prime examples of what makes Clemson special. They embody leadership, winning spirit, sense of service and those other Tiger attributes that set the Clemson Family apart.

Bartow S. “Bo” Shaw Jr. ’63
National forestry leader and conservation expert

Clemson Flashback: “One of the most meaningful organizations that I was involved in was the Numeral Society, which started out as a service organization founded by the late Joe Young.”

As a student, Bo Shaw majored in forestry and played on the Tiger tennis team. He was also a member of the cheerleading squad, Central Dance Association, Air Force ROTC, Blue Key, Tiger Brotherhood, Block C Club, the Forestry Club and the Numeral Society.

After graduation and serving in the Air Force, he began a one-person forestry consulting firm that became American Forest Management Inc. His firm has grown into the largest private forest management organization in North America. He has served the forest industry and independent owners through a variety of professional organizations, helping to protect and provide sustainable management of the natural resources of the U.S. as well as consulting with forest enterprises around the world.

With a heart for others, Shaw believes in giving his all—whether he’s coaching a basketball team; leading the Rotary Club; serving on local bank, education or conservation boards; pitching in with disaster relief for Katrina victims; or chairing a Clemson advisory board.

Shaw has served on the Clemson University Foundation Board, Board of Visitors, Parents’ Council Advisory Board and Forest Resources Advisory Board (chair). Active in the Sumter County Clemson Club since his graduation, he’s an IPTAY and Tiger Letterwinners Association member, Alumni Fellow and Presidents Club member. He established the Bartow S. Shaw Family Endowed Program to fund forestry initiatives.

Words to Live By: “When you decide that you’re going to do something, give it your all.”
Thomas F. “Tom” Chapman ’65
Renowned business consultant and leadership motivator

CLEMSON FLASHBACK: “When I was recruited for Tiger baseball, everyone I interacted with was just so kind and gracious, which by the way, hasn’t changed in the least.”

Tom Chapman was recruited by former Tiger baseball coach Bill Wilhelm and attended Clemson on an IPTAY scholarship. An economics major, he excelled in academics and athletics, earning recognition as a two-time All-Atlantic Coast Conference pitcher. He also found time for Tiger Brotherhood, Block C Club and much more.

When he graduated, he was drafted by the Philadelphia Phillies and played professional baseball. In 1968, he was deployed to Vietnam with his Army unit and served with distinction. He then began his outstanding career in finance, information technology and marketing, which spanned more than 40 years, with First Atlanta, his own consulting firm and Equifax. He retired from Equifax in 2003 as chairman and chief executive officer.

Chapman served on corporate and community boards and initiatives throughout his career, as well as supporting Atlanta’s Piedmont Hospital and other organizations seeking to prevent, detect and cure cancer.

For the University, he serves on the Clemson University Foundation Board and in other leadership and advisory roles.

He believes in “One Clemson.” For Clemson athletics, he made a $1 million gift for Tiger baseball resulting in The Thomas F. Chapman Grandstands, adding 1,000 new seats for students and season ticket holders. For academics, he made a $1 million gift to the College of Business and Behavioral Science to establish The Thomas F. Chapman Leadership Scholars Program.

WORDS TO LIVE BY: “What lies behind us and what lies before us are tiny matters compared to what lies with in us.” Ralph Waldo Emerson

Jerry D. Handegan ’65
World traveler and volunteer extraordinaire

CLEMSON FLASHBACK: “In the summer of 1963, I worked for the Registrar’s office ... where I saw this girl [Paulette]. I knew her cousin and got her to introduce me. I asked Paulette for a date, she was busy, but we had a date the next week. In November 1964, we were married.”

A student, Jerry Handegan majored in engineering. He was also in Army ROTC company commander, a member of Kappa Delta Chi fraternity, a junior staffer for the Central Dance Association and an officer for the Industrial Engineering Society.

After graduation, Handegan entered the Army and served most of his three years as aide-de-camp to the commanding general of White Sands Missile Range in New Mexico. He spent the next 20 years of his professional life in managerial positions with Calumet Corp. He later joined a firm known today as the Henry Co., where he’s now senior vice president in charge of specialty and international business.

Handegan has spent a lifetime volunteering – from Cub Scouts to his children’s schools to Junior Achievement to church league basketball coach.

For Clemson, he serves on the Clemson University Foundation Board. He’s an IPTAY representative, longtime Clemson Fund donor, president of the Fort Hill Clemson Club, former Alumni Association Volunteer of the Year and former president of the Alumni Association.

Handegan was instrumental in organizing and continues to lead his fraternity brothers in supporting the Kappa Delta Chi Unrestricted Scholarship Endowment.

WORDS TO LIVE BY: “If you make a commitment to do something, you should follow through. You can really separate yourself from others if you will just do what you say you will do.”

Thomas L. “Larry” Sloan ’74
Engineer entrepreneur and Tiger Band champion

CLEMSON FLASHBACK: “Our family [Greek houses] would always come to Farm and Home Week in Clemson. We stayed in the dorms for a week, and my parents basically turned me loose. That’s how I got to know the school and how I got to love Clemson.”

Larry Sloan came to Clemson to study engineering and play in Tiger Band. His talents and skills earned him leadership positions, including band commander and national president of Mu Beta Psi honorary music fraternity.

In 1974, Sloan left Clemson with a mechanical engineering degree. He spent the next 17 years in managerial positions in the electrical products industry before starting his own company, Electrical Power Products, in 1991. Several years ago, he sold his award-winning company and retired.

Sloan has served in many leadership roles including his church and Thornblade Club. But his greatest passion for service has been Clemson and Tiger Band. He and his wife, Cindy, have chaperoned for 35 years, and have helped provide for the marching band of Tiger Band’s practice field. And he’s been band videographer for 25 years.

Sloan is a key founding member of the Clemson University Tiger Band Association – CUTBA – which has nearly 400 members and an endowment of more than $100,000. CUTBA’s Tiger Band Commitment, a program to raise scholarship money for Tiger Band students, has raised more than $2.5 million.

Sloan is also past president of the Greenville Clemson Club, life IPTAY scholarship donor and member of the Clemson Legacy Society.

WORDS TO LIVE BY: “In Tiger Band you learn organization ... being on time, staying until the job gets done ... so many things that will stay with you the rest of your life.”

Joseph M. Todd ’79, M ’83
IT sales executive and tireless Clemson ambassador

CLEMSON FLASHBACK: “When I was in kindergarten, my teacher took us on a tour of the President’s Home. I somehow became detached from the rest of the group, and they found me jumping on Dr. Edwards’ bed.”

Joe Todd, the son of faculty member B.L. Todd, was already part of the Clemson Family when he entered. In addition to majoring in industrial management and being a member of Alpha Tau Omega fraternity, he “caught the bug” for being involved and volunteering.

Todd graduated in 1979 and returned two years later to complete his master’s. He spent the next 17 years building his career in sales and marketing with IBM. He then joined Consomus Technologies, a national provider of information technology, where he continues today.

His volunteer spirit extends to his community and his church, Advent United Methodist, where he’s served on church council and multiple committees.

For Clemson, he has been a tireless worker in the Greer Clemson Club for more than 25 years, helping host a variety of fundraising events that have provided thousands of dollars to academics and athletics. A longtime IPTAY representative, he’s been on its board for five years where he has chaired representative and longrange planning committees.

Todd has served on the Alumni National Council board and led the association as its president. He and his wife, Kim, are members of the Presidents Club and the Clemson Legacy Society.

WORDS TO LIVE BY: “Try to live a balanced life. People who are the happiest are successful in their career, community, family and faith. And they have a good time along the way.”

FRNS 2010 — Clemson World & 15
As Clemson set out to become one of the top public universities in the nation a decade ago, it began attracting not only the best students in the state, but some of the best in the nation. For example:

Christian Smith ’07, who majored in economics and health science, just wrapped up two years in Ethiopia with the Peace Corps where she worked to stem the spread of HIV and AIDS. Now she’s headed to graduate school with a focus on global health policy, which she plans to make her life’s work.

After earning degrees in political science and computer science, Joseph Godsey ’04 joined General Electric through its management program, which took him to Europe. He’s now in Germany working for Adidas Group as a program manager for global retail.

As a student, Ahmed Mohiuddin ’06 founded Clemson’s chapter of Amnesty International. After he earned a degree in biochemistry, he volunteered at a medical center in war-torn Akot, South Sudan. Now he’s at the Medical University of South Carolina and planning to complete residencies in internal medicine and psychiatry.

These students and many others are our future leaders in global health care, business, law, medicine, economics and much more. And they all started out as Clemson National Scholars.

The National Scholars program, begun 10 years ago, offers a four-year, merit-based scholarship that includes tuition and fees; an allowance each semester for room, board and supplies; and a summer European study experience. The highly competitive program requires that students show outstanding leadership and service as well as excellent scholarship.

The National Scholars Program has garnered impressive statistics over the last 10 years.

• 1485 — average SAT of the first 10 cohorts
• 1,476,794 — the approximate number of miles traveled by National Scholars on foreign and domestic education enrichment trips
• 17 captains of intramural teams
• 13 members of Phi Beta Kappa, the most prestigious college honor society for students in liberal arts and sciences
• 1 recipient of the National Science Foundation’s Graduate Research Award
• 8 Goldscheider Scholars, the top award for students in engineering and science

But it’s the people — the hearts and minds and energy behind those numbers — who are the real measures of success.

Nine students representing six states entered the Clemson National Scholars Program in 2000 — among them, Joseph Godsey from Kingsport, Tenn.

“After learning about the program, visiting the campus, and talking to faculty, staff and alumni, I knew Clemson was the place for me,” says Godsey. “The National Scholars Program was pivotal in opening doors for my future. Clemson gave me a base—a foundational core—that defined and shaped my life. Everything now builds off that base. For that, I will be eternally grateful.”

Clemson political scientist William Lasser, director of the National Scholars Program, says experiences like those helped raise the level of competitiveness each year. “We know early on we had created a competitive program,” says Lasser. “Within the first few years, students were choosing Clemson over a number of other scholar programs at elite institutions.”

Clemson’s scholarship program enhances each scholar’s experience on many levels, including challenging course work and research opportunities. In their first semester, the National Scholars participate in a special section of the Callahan College Freshman Colloquium. They also take part in a fully funded study-abroad program in Europe and benefit from mentoring relationships with Clemson faculty, staff and alumni.

Christopher Welch’s first trip abroad was to Italy in 2001 with the National Scholars to study art history and architecture.

“The whole trip was a great experience,” says Welch, a 2004 graduate in biological sciences and chemistry. “We studied much of the art and architecture throughout Italy, and we were able to take side trips where we hiked the Alps, visited the beaches at Normandy and toured Paris. It was a great learning experience shared with great friends and scholars.”

Welch, who’s from Campobello, is an M.D./Ph.D. student at the University of North Carolina-Chapel Hill. His focus is on the field of medical oncology.

“Being around so many extremely intelligent people who are incredibly engaged in both their studies and their communities reinforced how important it is to be an active participant in the world around us.”

— Brian Eyink ’06, Clemson National Scholar

So far, the National Scholars Program has produced 107 scholars and 57 graduates. “When our fifth cohort graduated in 2008, we began having more alumni than current scholars,” says Jamie Williams, associate director of the program. “This important threshold we crossed gave a strong sense of vibrancy and legitimacy to the program.”

Among the alumni are:

• three doctors and another eight in medical school,
• two lawyers and another two in law school,
• three middle and high school teachers, including one in the Teach for America program,
• a public health specialist with the Centers for Disease Control, investigating emerging infections throughout the Mediterranean and Middle East,
• several emerging leaders in the business world,
• others who are increasing the knowledge base
  of their fields through advanced study and research
in biology, biomedicine, business, economics,
education, engineering, history, journalism, litera-
ture, mathematics, natural resource management,
physics, robotics, urban planning and veterinary
medicine.

And many of these alumni are finding time in their busy
lives to give back to Clemson.

"National Scholars alumni are still very young, but they’re
already providing a strong network for internships, graduate
school and life planning for current scholars," says
Williams.

Brian Eyink, from St. Louis, Mo., is part of the network
to which Williams refers. He graduated in 2006 with a
degree in economics and a minor in mathematical science.
Eyink earned his law degree from Duke University in 2009
and is now clerking for Judge Gerald Bird Tjoflat, U.S.
Court of Appeals, 11th Circuit. He plans to practice law in
Washington, D.C., following his clerkship.

"Being around so many extremely intelligent people
who are incredibly engaged in both their studies and their
communities reinforced how important it is to be an
active participant in the world around us," says Eyink.

"That drive to be an active participant led me to join a
group of fellow scholars in creating a student-led retreat
to share these values with each incoming class of National
Scholars."

Eyink — along with alumni
Christen Smith ’07, who’s
between Peace Corps service
and graduate school, and Mike
Stadnisky ’05, a biochemistry
graduate working on a Ph.D.
at the University of Virginia —
returned to Clemson earlier this
year to help interview potential
new scholars.

In addition to creating retreats
and helping with the interview
process, National Scholars
alumni serve as mentors to new
scholars. And although many
are in graduate or postgraduate
school, more than a third have
already started giving back to the
program financially.

Just like the University’s strong
base of alumni, National
Scholars alumni are personally
invested in current students, in the
University and in the world around them —
exactly what the Clemson Family is all about.

To learn more about the National Scholar Program and to see the
success stories of its graduates and current students, go to www.
clemson.edu/national_scholars.

Making it possible

In addition to University support, several generous
donors helped create the Clemson National Scholars
Program including the estate of Mr. and Mrs. William M.
Ballenger (Class of 1923), Mr. and Mrs. Frank M. Bishop
Jr. (Class of 1965), Dr. and Mrs. Richard A. McMahan
(Class of 1954) and Dr. and Mrs. R. Roy Pearce (Class
of 1941).

Gifts from other donors have been invaluable includ-
ing Dr. and Mrs. Paul W. McAlister (Class of 1941),
J. Anderson Berly III (Class of 1978) and the E.
Smyth McKissick III ’79 Clemson National Scholars
Endowment.

Donor support of any amount for the continued intel-
lectual, professional and personal growth of the National
Scholars is appreciated. Gifts can be made payable to
the Clemson University Foundation (designate “National Scholars Program”), PO Box 1889, Clemson SC 29633.

To-do list while visiting Clemson University:
• Drop kids at various camps around campus
• Grab some coffee and a late morning snack at Einstein Bros. Bagels
• Stop by Visitors Center
• Go by Chili’s Too for lunch – where there are lots of choices for everyone
• Stroll around campus to enjoy the sunny day and work up appetite
• Walk over to Eastside Food Court to pick up some Clemson Blue Cheese

Planning your next trip to campus?

Don’t forget to eat!

It would be a shame to not take advantage of all the wonderful places to eat on campus the next time you make a visit. With great restaurants like Chili’s Too, Einstein Bros. Bagels, Pizza Hut, Burger King, JUMP Asian, Seasons by the Lake and more — each a short walk or bus ride away — a satisfying meal is always within reach!

So before you make your next trip to Clemson, visit www.clemson.edu/dining and check out all the options available for the best in campus dining.
Deep Orange — a new long-term initiative at Clemson University International Center for Automotive Research (CU-ICAR) — offers a radical jumpstart for the ailing auto industry.

NAME Deep Orange

Deep Orange is transforming the Carroll A. Campbell Jr. Graduate Engineering Center at CU-ICAR into an overall systems integration — in a matter of semesters. As it advances the University’s automotive engineering graduate research and education program, it positions our graduates ahead of the competition and prepares them to create a future sustainable automotive industry.

CONCEPT “SETS US APART”

The Deep Orange framework is transforming the Carroll A. Campbell Jr. Graduate Engineering Center at CU-ICAR into an overall systems engineering and integration model, exploring new technical innovations and novel design and manufacturing approaches with OEMs (original equipment manufacturers), suppliers and entrepreneurs participating and collaborating. As a result, the program will release a new vehicle prototype annually showcasing the outcome of the partnership. Students, faculty and participating industry partners will engineer, integrate, design and manufacture a new vehicle prototype each year, giving students excellent hands-on experience with vehicle design, development, prototyping and production planning. The first Deep Orange vehicle is scheduled to be unveiled later this year.

Each project focuses on leapfrogging the latest vehicle technologies by eliminating the constraints and the “we’ve always done it that way” legacies that pervade the automotive industry. Without these constraints and by applying a systems engineering approach, researchers, students and industry partners can freely and quickly explore the optimal integration of new technologies. “This concept sets us apart,” says Imtiaz Haque, executive director of the Campbell Graduate Engineering Center. “Deep Orange embodies the term of systems integration. It provides entrepreneurs and industry partners with an open-innovation platform to showcase future technologies through intensive proof-of-concept collaboration involving our graduate students. The resulting experience will prepare them to lead the future of the industry.

“Deep Orange will deepen our understanding of the challenges we face and the solutions we need to seek as we bring disparate technologies together,” says Haque. “This is the very essence of what this program has committed to provide for the automotive and motorsports industries — based on what industry leaders told us they needed.”

MULTIPLE SYSTEMS IN SYNC

Systems integration involves making sure that the multiple systems that make up the automobile work together — that modifications or improvements in one aspect of the design do not negatively affect the others.

Clemson’s automotive engineering graduate program has four major research areas including manufacturing, design and development, vehicle electronic systems and powertrain systems research, testing, design and development, vehicle electronic systems and powertrain systems research. Each research area is led by an endowed chair who is transformed by the CU-ICAR initiative. He came to Clemson from BMW’s research and development headquarters in Munich, Germany, where he led functional concept design initiatives.

“We’re very excited for our students and for the companies that will ultimately hire them,” Venhovens says. “When our students graduate, they will have been directly and intimately involved in the development of various aspects of a vehicle in a research and education environment that encourages creativity and entrepreneurship, responsiveness to market demands, consumer preferences and issues of sustainability.

“It will also expose students to the capabilities and limitations of certain technologies, including functional interdependencies and conflicts,” he says. “These aspects are often ignored in single-focus, traditional engineering programs.”

Venhovens adds that the beauty of the Deep Orange project is its flexibility. The fluid curriculum allows faculty and students to think outside of conventional course work and focus on the product and the consumer’s needs. Each year’s project will be unique, with different challenges and parameters for success. The scope of the students’ experience will be valued by the industry.

COLLABORATION WITH A BIG C

Collaboration with private-sector and industry organizations is a cornerstone of the CU-ICAR program, and Deep Orange leaders plan to collaborate with a wide array of automotive industry colleagues. For example, the 7,500-member Specialty Equipment Market Association (SEMA) formed a partnership with the University in August, focusing on the Deep Orange initiative as the centerpiece of the overall relationship.

The Deep Orange vision was formally presented to an international industry and media audience during a high-profile technology briefing session at the 2009 SEMA Show in Las Vegas in November.

And FEV — an independent engine and powetrain systems research, design and development company, headquartered in Aachen, Germany — was one of the first companies to sign on. CU-ICAR has also partnered with the Art Center College of Design in Pasadena, Calif., on vehicle design/styling. Other collaborations are in the works.

Deep Orange is another example of the University’s ongoing drive — to increase the value of a Clemson degree, to expand and strengthen the state’s economy, to improve the quality of life for all of us. And, the fact that it reflects Clemson’s competitive spirit along the way makes it even better.

For more information on CU-ICAR, the Campbell Graduate Engineering Center and Deep Orange, go to www.cuicar.com.

By Sandy Woodward
From the moment Shavonne Brown ’05 stepped onto the campus, Clemson was in her blood. She threw herself into every activity from Tiger Band to student government to social sororities. But most important, it was at Clemson that she found her passion for what she calls “learning what makes people tick” — a passion that led to her career with a nonprofit psychosocial rehabilitation program in Baltimore.

Brown knows the difference one individual can make. And she chose to make that difference by ensuring that the advantages she enjoyed, the programs that affected her most deeply, would always be available at Clemson.

Increasingly, young alumni are finding that along with their annual donations, gift planning is the ideal way to ensure Clemson’s future and continually increase the value of their degrees. This support of students, faculty and programs at the University is, as Brown says, a reflection of the generous spirit of founder Thomas Green Clemson. “I want to honor the spirit of the man who gave me a great place to learn and grow. I want to help in any way possible.”

You, too, can support Clemson through planned gifts such as bequests, annuities, charitable trusts or insurance. To find out more, please contact JoVanna King, senior director of gift and estate planning, at jovanna@clemson.edu or at 864-656-0663 or 800-699-9153. Find out more at www.clemson.edu/giving/planned.
Eric Knapp had the passion and the academic prowess to be a physician. But it took a scholarship to fund his education at Clemson.

"It was my responsibility to pay for college," Knapp explains. "I would not have been able to attend Clemson or take part in some of my international experiences without the aid of scholarships."

Knapp made the most of the financial gift. While working diligently in order to achieve the kind of grades that would get him into the Medical University of South Carolina this fall, Knapp did not wait for his life’s work to begin. He made University-sponsored trips to intern in the Dominican Republic, administer vaccines in the Sudan and work on a housing project in India. Stateside, he spent hundreds of hours mentoring high school students and working with Dr. Oscar Lovelace ’82 in his rural family medicine practice. The combined result is a young man dedicated not only to Clemson, but also to a lifetime of serving others.

To support deserving students such as Eric Knapp, call 864-656-2121 or visit www.clemson.edu/giving/now.
three of these alumni — William Bellamy (vocational agricultural education), Carl Bishop (chemistry), Neal Mosely (electrical engineering) and Ralph Stone (vocational agricultural education) — roomed together as freshmen, marched in the Clemson Senior Platoon and graduated together in 1954. The fourth, Thomas Mann (premed), was their company commander when they were freshmen. He graduated in 1951. Now, they’re together again in the Clemson Alumni Senior Platoon. Pictured from left are Stone, Bellamy, Mann (kneeling), Mosely and Bishop.

1932
Lucius Deik (TC) of Greenville is held in high esteem among Clemson alumni, the residents of Rolling Green Village retiree community and the congregation of the First Presbyterian Church of Greenville. At 102 years of age, he says his secret to a long life is the right genes and staying active in body and mind. He enjoyed a long career in the textile industry and served in the U.S. Army during World War II.

1945
Robert W. Patterson (CC) of Florence received an honorary doctorate from Francis Marion University in December. He founded the Florence Speech and Hearing Clinic and served as founding director of Florence United Way, director of S.C. Easter Seal Society, chair of the Florence County Disabilities Foundation and director of the Francis Marion University Foundation.

1947
Wallace A. Storey Sr. (SMEE) of Spartanburg was named “Warbird of the Year” by the Warbirds of South Carolina Inc., a group of veteran pilots and navigators. He’s a retired lieutenant colonel in the U.S. Air Force who flew 35 combat missions over Nazi Germany in World War II and was awarded 15 medals and ribbons.

1953
Leonard C. Butler Sr. (TM) of Burlington, N.C., was featured speaker at two United Methodist churches for special Veterans Day celebrations. He’s a U.S. Army veteran and former president of the Clemson Alumni Association.

1958
Jonathan C. Glen (PREMED) of Savannah, Ga., was honored for his year of service as a member and trustee of the St. Joseph/Candler Health Systems. He has served as trustee since 1993. He’s a practicing gastroenterologist.

1959
James L. Cartee (IND/MGT) and his wife, Anne, of Easley celebrated their 60th wedding anniversary.

1965
Harold B. Reiter (M MATH, ’69 PhD) of Charlotte, N.C., was awarded the 2009 W.W. Rankin Award for Excellence in Mathematics Education by the N.C. Council of Teachers of Mathematics. He’s a professor of mathematics at the University of North Carolina-Charlotte.

1970
Sidney L. Hanksins III (ARCH) of Knoxville, Tenn., was elected to the international board of directors of RCI Inc., an association of professional consultants, architects and engineers who specialize in roofing. He’s earned certification as a registered roof consultant.

1973
Pamela DeFanti Robinson (ELED) of Columbia is director of the Pro Bono Program at the University of South Carolina School of Law (where she earned her law degree) and currently works with many Clemson alumni pursuing law degrees. She’s also a member of the Humanities Advancement Board at Clemson and assists with the William Howell Prelaw Society.

1974

1975
Charles K. “Chuck” Mann (M PERS) of Jacksonville, Fla., was honored by the Jacksonville City Council for his contributions as an exemplary public servant. Over the years he has worked on numerous community improvement projects and served on many councils and committees for all areas of community life. He retired after working as a corporate manager for Parker Davis, Warner Lambert and Pfizer pharmaceutical companies, as a hardware store owner and as a middle-school science teacher.

1977
Alain M. Wind (SEED) of Alpharetta, Ga., presented “Oh the Drama! Bringing History Through Theatre in the Classroom” at the National Council for the Social Studies Conference in Atlanta. He’s a U.S. history teacher at Chattahoochee High School in Marietta.

1978
Fred G. Stone (PSYCH) of Easley is the 2010 president of the S.C. Baptist Convention. He’s the pastor of Pickens First Baptist Church.

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Just like in the ’50s!

Clemson premed graduate and physician Marion Burton of Columbia is president-elect of the American Academy of Pediatrics. He’ll assume his role as president of the 60,000-member society in late 2010. Burton practiced pediatrics in Anderson for 20 years before joining the University of South Carolina School of Medicine faculty where he established a Division of Community Pediatrics. He’s currently director of community pediatrics and associate dean for clinical affairs. A Fellow of the American Academy of Pediatrics, Burton helped establish 75 partnerships placing public health professionals with practicing physicians to create medical homes for children.

National pediatrics leader
O. Marion Burton ’67

The American Institute of Architects is an organization that through local, state and matching national funds, donated more than $20,000 to Clemson’s School of Architecture for the 2009-2010 school year. At the last South Atlantic Regional Conference, S.C. Chapter President Steve Cox ’81, M’93 and national AIA board member Ed Zeiger ’77, M’80 presented University President Jim Barker ’79 with a TAPS tee-shirt for students pursuing a master’s degree in architecture.

Acclaimed federal judge

Political science graduate U.S. Judge Joseph F. Anderson Jr. ’72 received an honorary Doctorate of Laws degree at Clemson’s December 2009 graduation. The youngest federal judge in South Carolina history, Anderson’s proposals have drawn national attention, prompting his description as “one of the country’s most influential and respected judges.”

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AIA supports Clemson

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*Active Clemson Fund donor for 2010 Fiscal Year (July 1, 2009 – June 30, 2010) through March 1. For more information, call Annual Giving at 864-656-5896.

Clemson Family tradition

*Earl H. Wagener ’62, PhD ’67

Chemistry graduate Earl Wagener had Clemson credentials before he even started school. His grandfather B.F. Robertson was among Clemson’s first graduates, and he started the lab that became Clemson’s chemistry department. His uncle Ben Robertson, also a former TAPS editor, wrote the famous memoir Red Halls and Cotton. And his mom, Hattie Wagener, spent 25 years as an administrator in the engineering and architecture departments.

But Wagener himself is having his own impact on the University. After 35 years in industry, a career that earned him election into the Thomas Green Clemson Academy of Engineers and Scientists, he’s helping others who have successful careers in engineering and science.

Wagener is CEO of the startup company Tetramer Technologies LLC. Several Clemson engineers and scientists founded Tetramer in 2001 to commercialize high value research activities pursued at the University. The company has already created 27 knowledge-based jobs right here in the Clemson/Pendleton area with plans to increase in the next few years. And the University has received nearly $1.1 million in funds through the company. Through Tetramer programs, Wagener also hosts high school and undergraduate students. And he teaches an ongoing class for Clemson seniors and graduate students in translating from academics to industry.

In addition, he and his brothers — Kenneth and Ben — set up the annual Hattie B. Wagener Memorial Award, in honor of their mom, for the best administrator in the College of Engineering and Science.
Running again
Paul Kozma ’88

Textile chemistry graduate Paul Kozma, of Auburn, Wash., ran cross country and track during his time at Clemson. Now, more than 40 years later, he’s won two silver medals in the Hawaii Senior Olympics. But what he had to overcome to run again was much more than four decades.

Kozma was diagnosed with epilepsy in 2002, a condition that had actually begun during his service in Vietnam in 1971. Several years ago, he underwent brain surgery, which was impossible to perform without additional damage to otherwise healthy cells. His surgery resulted in some cognitive deficits, memory loss, visual impairments and motor function irregularities.

His disabilities, however, weren’t severe enough to hamper his competitive personality. Kozma was under the care of VA physical therapy and vision clinics. His doctors there encouraged him to consider racing again and put him in contact with the Challenged Athletes Foundation, which supports veterans, firefighters and policemen who have suffered disabilities during their service.

With the help of his wife, Trisha, whom he met at Clemson, he’s overcome tremendous physical and emotional hurdles to get back in the race. For more on his story, go to www.pnwlocalnews.com/south_king/aub/ overcomingseries.html.

Clemson spirit in Haiti
Pediatrician Mandy Gunton Drasieko ’82 of Inlet Pediatrics in Murrells Inlet travels to Haiti twice a year on medical missions. Her group, which includes other Clemson alumni and supporters, provides medical care, including ophthalmic and dental, and veterinary medicine to residents of a village in the Haitian Island of La Gonave.

Global health leaders
*Wilbur K. Millhos ’70, M ’72, Dennis Kyle PhD ’84

Professors Wilbur Millhos and Dennis Kyle, zoology graduates, are improving the ways doctors treat malaria. The global health infectious disease researchers are with the University of South Florida.

Last fall, Millhos was awarded the prestigious Joseph Augustin LePrince Medal for outstanding contributions to the study of malaria. Millhos is a member of a USF global health team gaining international prominence for understanding, tracking and controlling infectious diseases, including malaria.

The malaria research group includes Dennis Kyle, whose laboratory has taken a lead role in detecting emerging resistance to the major antimalarial drug artemisinin. Under Kyle’s direction, the USF Global Health Infectious Disease Program has become the global epicenter for surveillance and detection of drug-resistant strains. Both men have been called on by the Bill & Melinda Gates Foundation for their expertise.

Leader in energy efficiency
Philip W. Fairey ’69, M ’75

Architecture and city and regional planning graduate Philip Fairey has earned a lifetime leadership award for his dedication to energy efficiency. Last fall, Johnson Controls, a global leader in energy efficiency and sustainability, named Fairey the recipient of the Building Efficiency Lifetime Leadership award.

Fairey is deputy director of the Florida Solar Energy Center. His contributions to the energy sector include securing, completing and publishing results of more than 30 research projects, developing moisture transport control and radiant barrier technology; advanced cooling and dehumidification systems; and developing energy analysis software tools.

At the Florida Solar Energy Center, Fairey develops and leads research and technology initiatives. He holds several U.S. patents, is a member of two standards committees of the American Society of Heating, Refrigerating and Air-Conditioning Engineers; and is president of the Residential Energy Services Network.

Clemson World on Facebook
Join Clemson World at www.facebook.com/clemsonworld to stay connected with us between issues. You’ll see new campus shots, videos and other features, as well as updates on the top American in his age class. His passion for helping others has enabled him to raise funds for cancer research. He’s director of JCR Capital, a private equity firm.

www.pnwlocalnews.com/south_king/aub/overcomingseries.html

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Blood, sweat and leadership

‘Jack A. McKenzie ’76

Political science graduate Jack McKenzie has donated more than 20 pints of blood over the years in the annual Clemson vs. Carolina Blood Challenge, sponsored at Clemson by Alpha Phi Omega (APO). That’s just an example of how much of himself he has dedicated to the national service collegiate fraternity known for leadership, friendship and service.

Last year the entire APO National Fall Pledge Class — including 6,000-plus pledges at more than 350 chapters on campuses across the country — was named the Jack A. McKenzie Pledge Class in recognition of his role-model leadership and contributions to APO.

Safriet, a wildlife and fisheries biology graduate, is an experienced litigator and has devoted much of his practice to defending landowners’ property rights that exist for 100 years never really existed before various state and federal courts. He has authored books and is an expert in the takings clause violation of the U.S. Constitution Amendment of the Department of Environmental Protection.”

Doctor on board

Tenley Palisin Murphy ’01

Physician Tenley Murphy of Greenville came to Clemson to study biological sciences, but she found her full Clemson experience as a member of the Tiger rowing team. Both combined to help prepare her for a practice in sports medicine.

The case is still pending. “The Florida Handbook on S.C. Environmental property rights before various state and federal courts. He has authored books and is an expert in the takings clause violation of the U.S. Constitution Amendment of the Department of Environmental Protection.”

Raising the bar

These Clemson alumni are making a difference in Columbia. As USC law students, they performed a community-focused service project for Richland County CASA (National Court Appointed Special Advocate) fittingly on a Solid Orange Friday.

Pictured front row, from left, are Lindsey Neger ’07, Marshall Tinsley ’07, Jessica Jubbic ’06, Lynn Whittem ’06, back row, Blake Williams ’08, Drew Evans ’09, ‘John McLeod ’09, Andrew Price ’09, Ruston Neely ’08, Tarin Holcomb ’07, Matt Kelly ’06, Cara Goodman ’06, Felicia Sampson ’06.

Becoming a resident at Eglin Air Force Base, Fla. He graduated from the University of Tennessee Health Science Center with a doctor of medicine degree and is a captain in the U.S. Air Force, conducting a residency in family medicine.

Katawba Valley Land Trust.

Ashley C. Scott (DESIGN) of Columbia is on the board of directors for Columbia Development Corp. She’s an architect with Studio 2LR Inc.

Kimairia Toogood-Lubert (POS, ENGL) of Fairfax, Va., is a doctoral candidate at George Mason University, focusing on sustainability of nonviolence between authoritarian govern- ments of the Middle East and Eastern Europe. She’s the recipient of several prestigious fellowships that have taken her to Tajikistan and Kyrgyzstan to further her research.

2001

C. Lance Radford (M ADMSPS) of Greenville was named S.C. Secondary Principal of the Year by the S.C. Association of School Administrators. He’s principal of Wade Hampton High School.

2002

Kathleen A. Edwards (AGEON) of Homestead, Fla., is executive director of the Dade County Farm Bureau.

2003

Robert Jenkins (M ENT, PhD ‘99) of Camden received a $10,000 Auburnd Toyota Together Green Fellowship to use on a community-focused project engaging local residents in nature conservation. He’s executive director and naturalist for the

edge design firm specializing in residen- tial and commercial projects.

*Christopher C. Miller (AGE) of Covington, Ga., had an article published in Quality Progress — “Quality Isn’t a 9-to-5 Job.” He’s quality supervi- sor for the House of Cheerian in Stone Mountain.

1994

Graham A. Kimak (LSAH) of Greenville is the owner of Graham Kimak Landscape Designs LLC, a land- scape design firm specializing in residen- tial and commercial projects.

All the way to the Supreme Court

D. Kent Safriet ’95

Attorney Kent Safriet of Tallahassee, Fla., is pictured answering questions about a seminal private property rights case he argued before the United States Supreme Court in 1999. The case is “Stop the Beach Renourishment, Inc. vs. Florida Department of Environmental Protection.”

Safriet says the case focuses on “whether a state court ‘takes’ property without compensation in violation of the takings clause of the Fifth Amendment of the U.S. Constitution when it suddenly declares that property rights that existed for 100 years never really did exist.” The case is still pending.

Safriet, a wildlife and fisheries biology graduate, is an experienced litigator and has devoted much of his practice to defending landowners’ property rights before various state and federal courts. He has authored books and is an expert in the takings clause violation of the U.S. Constitution Amendment of the Department of Environmental Protection.”

2000

*Patricia E. Land (HLTHSC) of Seneca is manager of the meetings and out- reach department for the National Council of Engineers for Engineering and Surveying.

2001

C. Lance Radford (M ADMSPS) of Greenville was named S.C. Secondary Principal of the Year by the S.C. Association of School Administrators. He’s principal of Wade Hampton High School.

2002

Kathleen A. Edwards (AGEON) of Homestead, Fla., is executive director of the Dade County Farm Bureau.

2003

Kimaima Toogood-Lubert (POS, ENGL) of Fairfax, Va., is a doctoral candidate at George Mason University, focusing on sustainability of nonviolence between authoritarian govern- ments of the Middle East and Eastern Europe. She’s the recipient of several prestigious fellowships that have taken her to Tajikistan and Kyrgyzstan to further her research.

2004

John K. (SPH/ChS) and Rachel Sullivan (SPH/ChS) Wolf are married and living in Fayetteville, N.C. He’s a staff sergeant in the U.S. Army and has served two tours in Iraq. She’s a high school counselor.

2005

Matthew R. Lubinskiow (PR/PA) of Pittsburgh, Pa., is an attorney with the firm McGrath Law Group. He practices banking and real estate law.

Matthew John (CE, PhD ’08) and Jessica Moore (‘06 PHYS) Schuster are married and living in North Augusta. She is a medical student at the Medical College of Georgia.

2008

Michael P. Dickson (FIN/MTG) of Aiken received his commission as an ensign in the U.S. Navy after completing Officer Candidate School at Officer Induction School in Newport, R.I.

2009

David B. Leininger (GRCOMM) of Clemson is a technical designer with Trekk Cross-Media in Rockford, Ill.
Let’s go racing
Management graduate
Angela Dinkner ’08 of Greenville is pursuing her dream as a professional racecar driver. In fact, he got his start in motorsports as a Clemson student through the University’s Autocross Club.

After receiving his racing license from Panze Racing School, he competed in Skip Barber Racing’s MazdaSpeed MX-5 2009 season, earning Rookie of the Year and finishing in second place in the championship. This year, he’s going for the championship again and another shot at being invited to the SCA Pro-PlayPays MX-5 Cup Shootout, where five Mazda champions compete to win a fully sponsored ride in the series for 2011 by Mazda valued at $70,000.

To keep up with Dinkner’s racing career, go to angiedinkneracing.com.

NASCAR engineer
Richard A. Parker ’05

When it comes to achieving goals, mechanical engineering graduate Richie Parker takes a no-quit approach. Born without arms, he never let his physical limitations get in the way of a degree and going shoots in 13 countries and working with editors from New York and Los Angeles. She’s currently working on Web development, advertising and promotion. She also works right here at Clemson as the Web designer and editor of MyOrangeUpdate.com, the e-newsletter for IPTAY. Reclaiming the Blade is available online (galahtafilms.com) and at major retailers. To see scenes, go to www.swordmovie.com.

Robert J. Clarkson ’33, Winsboro
Olen B. Garrison ’33, Clemson, agriculture professor emeritus and retired director of the S.C. Agricultural Experiment Station. Memorials may be made to the Clemson Corps Endowment or Woodland Cemetery Preservation Fund, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Lowell T. Bootwright Jr. ’38, Aiken
Harry Gentry Jr. ’39, Greenville, SC
Carrrol E. Enders ’39, Lake View
Dudus R. Cook ’40, Orangeburg
Wallace M. “Jack” Ackerman Jr. ’41, Summerville
Carrrol M. Eaddy ’41, Honeymoon
William L. Betts Jr. ’42, Anderson
Robert T. Segars ’42, Cross Hill
Walter G. Wolford ’42, Honeymoon
George B. Borden ’43, Annapolis, Md.
William E. Bristol ’43, Tallahassee, Fla.
Emory G. Grubard Jr. ’43, Atlanta, Ga. Memorials may be made in his honor to the Friends of the S.C. Botanical Garden or the Class of 1943 Scholarship Endowment, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Charles A. Spencer ’43, Greenville, N.C.
Paul J. Ellis Jr. ’44, Fort Mill
Ansel S. Terry ’44, Rock Hill, N.C.
Dale G. Vander Veer ’44, Asheville, N.C.
Lessee Andrew White ’44, Ladson
James M. Comer Jr. ’46, Kingsboro
Hollbert D. Crawford ’49, Columbus
Clarence J. Guillinge ’49, Sunter
Frank C. Lucius ’49, Clemson
Carl W. Morton Jr. ’49, Cleveland, Tenn.
Cyril M. Shuman ’49, Farmingdale
James C. Tsarikii ’49, Clemson
Marvin P. Cannon Jr. ’49, Greenville
Joe A. Dalton ’49, Seneca
Douglas E. Edwards ’49, Atlanta, Ga.
Frank L. FitzSimons Jr. ’49, Hendersonville, N.C.
Roger G. “Cy” Nietti ’49, Chattanooga, Tenn.
James F. Price ’49, Norris, Tenn.
James J. Simpson ’49, Anderson
Jerome Wilson Jr. ’49, Chester
Philip L. Beinfeld ’50, Chester
Roderick S. Brindosina ’50, Greenville
John W. Carlisle Jr. ’50, Spartanburg
James Marshall Farmer Sr. ’50, Greenville
H. Kenneth Smith ’50, Green
Harry L.L. Strible ’50, Columbia
Roland J. Weitner Jr. ’50, Asheville, N.C.
James E. Catheh ’51, Spring, Texas
Charles Collins Hucks Sr. ’52, Aiken
Kenneth L. Maggini ’52, Marietta
Edward M. Shannon Jr. ’52, Columbia
James Henry Bishop ’53, Greenville
E. Walton Jones ’54, N’59, Raleigh, N.C.
James D. Wells Jr. ’54, Greenville
Albert C. Allen ’54, Aiken
Jack D. Taylor ’54, Hollywood
Lyndon S. Burrows ’57, Luna Linda, Calif.
Jerry T. Steele ’58, Greenville
Barbara Burnett Evans ’59, Nashville, Tenn.
Bregg Lamar Greene ’59, Clemson
Stephen M. McCarter Jr. ’59, Greenville
Floyd D. Snell Jr. ’59, Columbia
Don W. Funly Sr. ’60, Chester
Major W. White ’60, Columbia
Landon C. Miller ’61, N’64, Clemson, horticulture profes- sor emeritus. Memorials may be made in his honor to the Friends of the S.C. Botanical Garden or the Class of 1961 Scholarship Endowment, Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Henry J. “Jack” Reed ’61, Atlanta, Ga.
Jackie Lee Jackson ’62, Marion
Jane Hasc Pillrich ’63, Savannah, Ga.
Louise Hugh Rankin ’64, Anderson
Ann L’erewen White ’65, N’73, Clemson
Thomas A. Wilson ’69, Burke, Va.
Jack M. Carter Jr. ’70, Columbia
Vincent D. G. Guido Sr. ’70, Clemson
Herman Terry Massey ’70, Alpharetta, Ga.
Perry B. DelCaila ’71, Pendleton
Assel D. border Jr. ’72, Easton
Robert D. Brown ’74, Palmerton, Pa. Memorials may be made in his honor to the Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.
Samuel M. Garrison ’74, Fort Mill
Patricia Elaine Hendrix Smith ’74, Simpsonville
Frank D. “Buddy” Adams III ’74, Jacksonvile, Fla.
Betty Baiselien Galliard ’76, Greenwood
Ronald N. Johnson ’76, Beaumont
Michael W. Brown ’77, Greenville. Memorials may be made in his honor to the Clemson University Foundation, PO Box 1889, Clemson, SC 29633-1889.

Michael W. Herndon ’77, Rock Hill
Geneinda Parker ’81, Anderson
Roger P. Harris ’82, Gower
John S. Skores ’82, Athens, Ga.
Romain J. Woodall ’83, Seneca
Douglas T. Colell ’83, Lascalle
Graziy L. Patterson HD ’84, Columbia
M. “Nick” Marullo ’84, Somers, chemistry professor emeritus.

Margaret Gordon McCailean, Charlotte, retired Clemson Service home economist

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 Amy Smith at annsmith@clemson.edu 864-656-0195.

Jill Hennessy ’94 and John M. ’93, M ’95, PhD ’00, daughter, Charlotte Anne, Holman ’95 Rogers, a granddaughter of Anthony W. Adebol ’68.


Lori McGowan Spicer ’99, M ’05, a daughter, William Christopher Lanier, June 17, 2009.

Amy Thompson Austin ’00, a daughter, Elizabeth Anne, March 8, 2007, and a son, Philip Campbell, March 11, 2009, grandchildren of Philip C. Thompson ’72 and granddaughters of the late John C. Thompson ’50.

Noah L. ’00 and Elizabeth Riessen ’04, a daughter, Reese, July 29, 2009.

Matthew D. ’00, M ’04 and Allison Nix ’02, a daughter, Sophia Alexandra, May 26, 2009.

Melissa Balland Hyde ’00, a son, Connor Matthew, July 8, 2009.

Kara Sexton ’00, M ’01 and Matthew J. ’01 Shealy, a son, Brayden Walker, Nov. 29, 2009.

Marlayna Neste Tracy ’00, M ’02, a daughter, Emma Katherine, Oct. 13, 2009.

J. Matt ’01, M ’02 and Jessica Cummings ’01, M ’03, a son, James Cooper, Nov. 12, 2009.

Erik S. ’01 and Shannon Driggers ’02 Bresenfeld, a daughter, Siana Ashlyn, July 2, 2009.

Many-Hal Isiks ’01, M ’04 and Benjamin S. ’04 Williams, a daughter, Isabelle Rutledge, April 28, 2009.

Elizabeth Cameron Hassan ’02, a son, Brandon Robert, Jan. 14, 2009, grandson of Dennis M. Cameron ’78.

Matthew E. ’02 and Stephanie Glenn ’04, a son, Michael Edward, April 26, 2009.

C. David ’02 and Shelley Lindsey ’04 Sutliff, a son, Graham Walker, June 29, 2009, grandson of Janet Prince Sutliff ’77.


Monique Sultos and Peter Dutkowsky ’04, a son, Michael Edward, Nov. 29, 2009.


Kevin H. Myers ’05, a daughter, Mallory Christine, Oct. 5, 2009.


Allison Dixon ’94, M ’97, PhD ’00 and Jeff D. ’02 McCull, a daughter, Calla Jayda, Sept. 10, 2008.

Lauren Wilson ’96 and David A. ’98 Rosenbaum, a son, Caleb James, Aug. 17, 2009.


Paul J. ’97 and Andrea Banish ’99 Little, a daughter, Emilia Elizabeth, Jan. 9, 2009.


Cheryl Dave ’98 and Jonathan D. ’99 Dunagin, a son, Nathaniel Jon, April 12, 2009.

Mandy Adebolad Ebrohade ’98, a daughter, Ava Caroline, April 26, 2009, granddaughter of Anthony W. Adebol ’68.

April 7, 2009.

July 8, 2009.


March 11, 2009.

March 13, 2009.


March 28, 2009.

March 16, 2009.

March 17, 2009.

March 18, 2009.


March 20, 2009.

March 21, 2009.

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March 24, 2009.

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April 1, 2009.

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April 17, 2009.

April 18, 2009.

April 19, 2009.

April 20, 2009.

April 21, 2009.

April 22, 2009.

April 23, 2009.

April 24, 2009.

April 25, 2009.

April 26, 2009.

April 27, 2009.

April 28, 2009.
1. Argentina  
*John D. ’58 and *Jo Anne Jones at a ranch near Buenos Aires

2. Egypt  
Frank ’64 and Bonnie Taylor at Luxor Temple

3. Switzerland  
*John L. Hill ’65 showing a Tiger Rag to cows in Lenk

4. Glacier National Park  
Rick Donohoe ’68 on the Continental Divide at Gunsight Pass in Montana

5. New Orleans  
Bill Watson and Bill Scherler ’70 at the Tournament Players Club displaying their Tiger pride

6. California  
Irvin ’73 and Margie Player on the rim of the other Death Valley

7. China  
*Becky Fields Campbell ’74, *Donnie Campbell ’72, *Kirk Weyman ’82, Minh Tran ’82, Season Lee ’98, Ronnie Townsend ’70 and *Patricia Traux Townsend ’76 beneath the Buddhist pagoda on Tiger Hill, Suzhou

8. Greece  
*Alessandra Georgeo Allen ’71 at her family home on the island of Halki

9. Afghanistan  
*Philip Stanley Kadala ’75 serving in Afghanistan

10. Scotland  
*Tim ’76, Adam ’05, M ’07 and Will ’10 Pope at Stirling Castle

11. Colorado  
Pierce ’78, Christy ’70 and Terry C. M ’07 Williams at Pikes Peak

12. Japan  
*Diane Doroch Wicker ’82 at Mount Aso, Kumamoto

13. Nevada  
*Rusty ’86, Will (participant) and *LeeAnn ’66 Harris at the 2009 Jr. Olympic National Cross Country Championships in Reno

14. Egypt  
*Jennifer Jewell ’91 at the Great Pyramids of Giza

15. Australia  
Randy Seay ’94 in the Bunya Mountains in Queensland

16. Micronesia  
*Melanie and *Brad ’97 Blackburn on the island of Yap

17. Falkland Islands  
*Jim Fain ’97 and *Emily Dawson with a king penguin and nearly 5,000 gentoo penguins at The Neck on Saunders Island

18. Belgium, the Netherlands, Germany  
*Lori McGowan ’99, M ’05 and *Christopher Spicer showing Clemson pride in three countries at once

19. Brazil  
Michael Dixon ’00 and *Trey Mills ’00 in front of Cristo Redentor, Rio de Janeiro

20. Romania  
Julia, Hannah and Tanner ’00 Pittman in Cluj

21. Greece  
*Beau and *Kate Nickless ’02 Hutto in front of the Parthenon, Athens

*Active Clemson Fund donor for 2010 Fiscal Year (July 1, 2009 – June 30, 2010) through March 1. For more information, call Annual Giving at 864-656-1896.
**CW Travelers**

22. China  
*Paul Sandsted ’02 with a grilled bat (gulp!) in Shanghai market*

23. Costa Rica  
Leslie Garner and Doug Johnson ’03 in front of Arenal Volcano

24. Tajikistan  
Kim Tongood-Luehrs ’03 displaying her Clemson spirit

25. Africa  
Ashley Semar ’07 and George ’06 Magrath in Ghana

26. Appalachian Trail  
Amanda Wise ’06 at the top of Mount Katahdin, Maine

27. Utah  
Kevin Hackett ’08 and Jordan Perkins ’08 in the underground subway canyons of Zion National Park

28. Ghana  
Adam Luck ’08 at the Cape Coast Castle

29. Kenya  
Sara Ashley Brown ’08 and Ryan Richardson in the Maasai Mara region

30. Tanzania  
Katherine Cannon ’10 volunteering in Bagamoyo

31. China  
*John Ballato, Clemson professor and director of the Center for Optical Materials Science and Engineering Technologies, in Shanghai*

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**Operation ‘Empowering Our Future’**

Since Clemson first opened its doors in 1893, it has educated and trained leaders for America’s military. That mission has never been more important than it is today.

The Clemson Corps provides scholarship support to current cadets in both Army and Air Force ROTC.

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

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**LAKE FRONT GETAWAY**

**315 Perry Circle**  
Townville, S.C.

This lake home is minutes by car or boat from Death Valley and perfect for entertaining after watching the Clemson Tigers play!

On LAKE HARTWELL, 2,684 sq. ft., 5-bedroom, 4-bath fully furnished home with covered dock and 100 ft. of lakefront. Located in Anderson County, S.C. Two adjoining lakefront lots may be purchased separately. The entire property, approximately 2.27 acres, with 300 ft. of lakefrontage, has exquisite water views across the main deepwater channel.

Call 864-414-2426 or visit www.SpectrumCarolinas.com for pricing and details.

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For more Clemson World Travelers...

- If you sent in a Clemson World Travelers photo earlier this year, but haven’t seen it in print, go to the online version at www.clemson.edu/ClemsonWorld/travelers.
- You can post your own Travelers photos on the Clemson World Magazine Facebook site at www.facebook.com/ClemsonWorld.
- Or send them, with a brief description, directly to Sallie Leigh at sleigh@clemson.edu.

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### Alumni awards

**Extension excellence**

The Clemson Alumni Association recognized John Mueller, director of Clemson's Edisto Research and Education Center in Blackville, with the 2009 Alumni Distinguished Cooperative Extension Public Service Award. Mueller, a professor of plant pathology, has led efforts to combat Asian soybean rust along the coast, helping save S.C. and Southeast growers millions of dollars. He's also been a leader in work on the Columbia lime nematode, a major pathogen of cotton and soybean in the coastal region.

### The Echo newsletter

To keep you in-the-know on the latest news from campus and up-to-date on all of the important alumni events, we’re distributing The Echo newsletter every two weeks to your inbox — if we have your e-mail address. Please help us spread the word and make sure we have your address. Just e-mail us at info@alumni.clemson.edu or submit your information through the alumni homepage at www.clemson.edu/alumni.

Thanks to all of you who submitted your professional contact information requested in the January issue. Congrats to ’84 alum Eddie Mulligan, electrical engineer from Birmingham, Ala., who won the drawing for the Clemson lamp.

### Class of ‘39 faculty award

Aplied economics and statistics professor Webb M. Smathers Jr. was recognized this year by his peers and the Class of 1939 as one of Clemson’s best. The Class of 1939 Award for Excellence, which includes a $5,000 stipend, was established by that class to recognize faculty members for highest achievements of service to the student body, the University and the community.

Smathers is adviser to three student organizations, past president of the Faculty Senate and has served on numerous committees including the Athletic Council, the Grievance Board and the newly appointed President’s Commission on Sustainable Environment. He’s an advocate for conservation and is active in several statewide organizations, including the S.C. Wildlife Federation, and as an appointee by four governors to the S.C. Department of Natural Resources Land, Water and Conservation Board.

### Clemson in D.C.

President Jim Barker presented a beautiful tiger statue to Beth ’93 and Michael ’91 Coakley in appreciation of their outstanding service to the University during the annual Clemson Congressional Reception in Washington, D.C. The Coakleys of Arlington, Va., served as co-presidents of the Baltimore, Washington, D.C., Clemson Club for 11 years before stepping down last fall.

### New Pee Dee Club

The newly formed Greater Pee Dee Clemson Club gathered for a viewing party of the Clemson vs. Wake Forest basketball game. Pictured from left are event organizers Diamond, ’M 01 and Mark ’96, ’M 01 Palmer and Dusty ’01 and Cody ’04 Kertis. The club covers Florence, Darlington and Marion counties. For more information, contact Mark Palmer, club president, at greaterpeepeaklub.alumni.clemson.edu.

### Alumni shine

Clemson political science graduates Leighton Cabbage ’77 of Simpsonville and Andy Monin ’94 of Atlanta, Ga., have more than their major and alma mater in common. Both were honored by the Spiro Institute for Entrepreneurial Leadership earlier this year for their successful enterprises.

Cabbage is with Serrus Partners, an investment fund built to leverage cash in the real estate market. Previously, he helped develop numerous companies including New South, NuVo, Upstate Automotive, Ionosphere, Greenville Journal, E.C. Transportation and Greenville First Bank. He has also served as chairman of the Greenville Hospital System University Medical Center board and founded Corporate Telemangement Group, an INC 500 company.

### Entrepreneurs Andy Monin and Leighton Cabbage

Monin is chairman and CEO of Vendomatic, a market leader in providing credentialing and compliance monitoring services to more than 800 U.S. hospitals and banks. In 2008, the company was ranked as one of the fastest growing companies in Atlanta. Previously, Monin co-founded BroadSource, a telecommunications expense management software and solutions company selected as one of Georgia’s Top 40 Most Innovative Companies in 2005.

The alumni recognition event is a Clemson Behavioral Science (BBS).

### BBS alumni shine

Behavioral Science (BBS).

### History & Hoops in Greenville

University historian Jerry Reel joined the Greenville Clemson Club — and its more than 50 Clemson fans — for a basketball viewing party and fun history lesson.

Pictured from left are David Poe ’94, Jay Reel, Jerry Reel, Bobba Brittain ’97, Edmee Reel M ’82, Hector McClan ‘95 and Brian Casey ’98.
Pittsburgh and Treasure Coast Clemson Clubs!

The Alumni Association has added two more clubs: the Pittsburgh Clemson Club and the Treasure Coast Clemson Club in Florida, covering Martin, Indian River, St. Lucie and Okeechobee counties. For more on the Pittsburgh club, contact Allison English at pittsburghclub@alumni.clemson.edu. For information on the Treasure Coast club, contact Michele Wolfe at treasurecoastclub@alumni.clemson.edu.

Young Alumni in Charlotte

Clemson Young Alumni in Charlotte, N.C., gathered for a basketball viewing party and a little catching up. Pictured from left, Tara McClory ’04, Emily Manning Forfar ’04, Stacey Harvel ’05, Ryan Riggins ’07 and Kevin Harvel ’05. To learn more about the Clemson Young Alumni in your area, e-mail youngalumni@alumni.clemson.edu.

Don’t miss May’s Prowl & Growl

We’re right in the middle of our annual spring Prowl & Growl tour schedule, with May tour stops still to come: May 18, Greensboro; May 23, Atlanta; May 25, Lexington, May 26, Florence; and May 27, Charlotte.

For times and locations of upcoming events and for photos of recent events, go to www.clemson.edu/alumni and click on Prowl & Growl.

‘Bring Your Daughter’ turns 12

The Women’s Alumni Council is hosting its 12th annual Bring Your Daughter to Clemson Weekend May 15-16. Girls, ages 6 to 18, attend this weekend for an authentic college experience by staying overnight in the Stadium Suites residence hall, meeting professors and chatting with current students. They also have opportunities to interact with admissions staff, student athletes and coaches and to explore nontraditional career opportunities. To check on any remaining spaces, e-mail womenalumni@alumni.clemson.edu.

Come home for Reunion 2010

The Golden Anniversary Class of 1960 and all other alumni are invited to attend the roaring 2010 Clemson Alumni Reunion, June 10-12. Headquarters will be at the Madren Center, but fun and festivities will reach across campus and beyond. For more information, call 864-656-2345 or go online to www.clemson.edu/alumni.

Heard any good ring stories?

Proud of your Clemson Ring? Has it opened any doors, helped you make friends or just added some interest to your life? We have a new Web site about the Clemson Ring — including its history and traditions along with individual ring stories from your fellow alumni — at www.clemson.edu/alumniring. We’re looking for more adventures, chance meetings or lost-and-found Clemson Ring stories. See what other alumni have shared and add your own comments.

‘Welcome Back’ set for Aug. 16

Spring semester is barely over, and already the Student Alumni Council is getting ready for the Welcome Back Festival on August 16. The annual event brings thousands of people to downtown Clemson to enjoy food, games, giveaways and music to kick off the new school year. All proceeds go to the Student Alumni Council Scholarship.

PASSPORT adventures

Don’t miss these upcoming travel opportunities through Clemson PASSPORT Travel, the Alumni Association’s official travel program:

- Oberammergau: The Passion Play (Bavaria, Germany) in July
- Paris/London, Passage of Peter the Great Cruise in August
- Danube Cruise plus Budapest & Prague, Dubai in September
- Crossroads of the Classical Mediterranean in October

For more information, go to cualumni.clemson.edu/travel or call 864-656-2345.

Follow the Tigers!

Be sure to plan your away-game travel with the Alumni Association’s Clemson Sports Travel program. Call 864-656-2345 for the latest information on away-game headquarters and pregame tailgate gatherings. Or visit the Web at cualumni.clemson.edu/travel.

2010 TIGER FOOTBALL

- Sept. 4 — North Texas (Hall of Fame Day, Youth Day)
- Sept. 11 — Presbyterian (Family Day)
- Sept. 18 — at Auburn
- Oct. 2 — at North Carolina
- Oct. 9 — Miami (Homecoming)
- Oct. 16 — at Carolina (Football Reunion Day)
- Oct. 23 — Georgia Tech (PPTAY Day)
- Oct. 30 — at Boston College
- Nov. 6 — N.C. State (Military Appreciation Day)
- Nov. 13 — at Florida State
- Nov. 20 — Wake Forest
- Nov. 27 — South Carolina (Solid Orange Day)

Fan Appreciation Day is Sunday, Aug. 22.
As the list grew, the need for a permanent site became more apparent. The Clemson Corps considered various places on campus, but one space in particular stood out. Rhodes remembers the decision. “As we considered various sites on campus, we learned that in 1942, as the new stadium was being built, the administration had selected the name ‘Memorial Stadium’ to honor those alumni who had made the ultimate sacrifice. What better location for this memorial than a site adjacent to the stadium?”

Scultors T.J. Dixon and Jim Nelson from San Diego, Calif., with Clemson’s chief landscape architect Barry Anderson, developed a concept for the memorial: a barrow encircled by rocks engraved with the names of the fallen, surrounded by trees and benches to provide spots for quiet reflection. Two massive tiger sculptures will guard the entry plaza. Luke says that even though it’s located near the most visited spot on campus, the memorial’s simple, intimate design allows it to be “a chapel for family, friends and classmates of the fallen.”

Work began in April 2009, and the barrow and entry plaza have been completed. The final phase of construction, connecting the memorial across Williamson Road to the East Gate of Memorial Stadium, will be completed next year.

The Scroll of Honor Memorial has taken on another form as well—a Web site dedicated to the heroes with a separate page for each, describing their time at Clemson and their military service. Retired Air Force Brig. Gen. C.R. “Hap” Carr ’60 says, “This Web site is a living memorial where family and friends can post remembrances.”

Carr, project co-chairman, also calls this a truly “One Clemson” effort, with support from administration, alumni, students, athletics and IPTAY. But the focus of the memorial remains on the fallen.

Rhodes says, “The memorial will be many things to many people. It has been designed to provide visitors a place to remember these alumni as they were when they were young students; as soldiers anxious to serve their country; as husbands, fathers, sons and cousins whom they loved and looked to for inspiration. It will be a place for solitude, and yet a place for rejoicing in the lives and contributions of these heroes.”

President Jim Barker says, “No other project on campus better represents what Clemson is all about than the Scroll of Honor Memorial.”

In the April 7, 1944, edition of The Tiger, student Roy Pearce wrote of those who had made the ultimate sacrifice in service to our country. It was the new landmark that will hold the legends of these heroes.

The Scroll of Honor, a list of the 468 alumni who have died in active military service, was the inspiration for this project. In 2002, as the athletic department and the Clemson corps planned a major activity for the University’s Military Appreciation Day, leaders decided that Clemson should find a way to carry on the University’s tradition of military service. The solution was found in the Clemson corps, an official alumni constituency group chartered for the purpose of continuing the University’s ROTC programs and armed services legacy.

The Corps has successfully achieved its mission of increasing enrollment in ROTC by generating scholarships and developing opportunities to commemorate the military history of Clemson.

Stories like these remind us that our freedom truly isn’t free. But while we mourn the loss of our fallen service members, the Clemson Corps is working to ensure that their stories live on.

On April 22, 2010, the Scroll of Honor Memorial was dedicated in honor of Clemson alumni who have made the ultimate sacrifice in service to our country. It is the new landmark that will hold the legends of these heroes.

The Scroll of Honor, a list of the 468 alumni who have died in active military service, was the inspiration for this project. In 2002, as the athletic department and the Clemson corps planned a major activity for the University’s Military Appreciation Day, leaders decided that Clemson should find a way to recognize alumni who had died in service to country. Retired Army Col. Danny Rhodes ’68 and retired Army Maj. James Leonard Luke ’56, M ’80 took the initiative to collect names from official listings, as well as from families and friends, of those who had died from World War I to the present conflicts.

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For more on the Clemson Corps, go to clemsoncorps.clemson.edu/clemsoncorps.
Clemson will name its new golf building for current Tiger golf coach Jim Anthony. The three-story, 6,600-square-foot building will be located behind the golf team's driving range at the Bobby Robinson facility. The investment establishes the Frank H. Stelling and C. Dayton Riddle Orthopaedic Education and Research Laboratory Endowment. The research will help develop high-impact medical technology and devices for disease management to be transferred from the laboratory to bedside.

The late Stelling was an acclaimed orthopaedic surgeon and educator. Both men served as leaders at the Greenville Hospital System University Medical Center Patewood campus.

Gift of healing
Anonymous donors have invested $250,000 to fund a new lab in the Clemson University Biomedical and Bioengineering Translational Research Facility at the Greenville Hospital System University Medical Center Patowood campus. The investment establishes the Frank H. Stelling and C. Dayton Riddle Orthopaedic Education and Research Laboratory Endowment. The research will help develop high-impact medical technology and devices for disease management to be transferred from the laboratory to bedside.

Stelling and Riddle share a rich history in Greenville orthopaedics. The late Stelling was an acclaimed orthopaedic surgeon and teacher, especially in children's orthopaedics. Riddle is a revered orthopaedic surgeon and educator. Both men served as leaders at Shriners Hospital in Greenville.

Their legacy is well served through the dedication of the state-of-the-art Clemson laboratory committed to translating basic science into better orthopaedic care.

Zest Quest for healthier children
The Cliffs Communities and its foundations, led by founder and CEO Jim Anthony, have made a $3 million pledge and given to Clemson all rights to Zest Quest — a program aimed at improving the health and wellness of schoolchildren across the Carolinas. The Youth Learning Institute, a unit of Clemson Public Service Activities based in Pickens, will manage the program.

Created by Anthony in 2004, Zest Quest employs and assigns full-time wellness coaches to work at partnering schools. The coaches educate and encourage children, teachers and their families to develop “healthy choice” lifestyles by adopting better diet and exercise habits. Zest Quest now serves 5,500 students in 12 elementary schools.

“These are exciting days as we take the Zest Quest program to new heights, striving to reach the goal of raising more health-conscious, vibrant young people who have the prospect of living longer, better lives,” says Anthony. “The Youth Learning Institute’s passion for kids and its statewide influence and operational channels in every county make it not only a logical choice, but the right choice to take the program to the next level.”

Zest Quest is the official curriculum for the Youth Learning Institute (YLI) to use as part of the federal Supplemental Nutrition Assistance Program’s nutrition education initiative (SNAP-Ed) offered under the auspices of the S.C. Department of Social Services. The institute also will partner with the state departments of education and health and environmental control and use such public service networks as the state 4-H program and Clemson’s Expanded Food and Nutrition Education Program to serve students in Title I schools across the state.

“The 2010 SNAP-Ed Plan gives South Carolina the potential to draw down over $2 million for nutrition education services for eligible children and families. It also gives us the chance to make Zest Quest available to thousands more children across the state this year,” says Jorge Cabadilla, YLI’s executive director.

Abney Foundation Trustee
The Abney Foundation trustees have set up the Abney Scholarship met Clemson President Emeritus Phil Prince ’49 gathered with him at the President’s Box in Memorial Stadium. The Alumni Association named an unrestricted scholarship in honor of Prince for his service as the 12th president of the University. An endowment set up by Phil and Celeste Prince also generates scholarships. For the 2009-2010 academic year, 176 scholarships in the Prince name total $142,000.

For more about the project and how to support it, contact Joe White at 864-656-3945 or jwhite@clemson.edu.

Student Alumni give back
The Student Alumni Association (SAA), a student organization established by the Clemson Alumni Association, is a volunteer, open-membership organization under the leadership of the Student Alumni Council (SAC). Together, these dedicated student organizations promote interaction among students, alumni, faculty and the community. And they give back to the University. The SAC recently contributed more than $40,000 to the SAC Scholarship Endowment, funds they raised during Clemson’s annual Welcome Back Festivals. The SAA contributed more than $6,000 to the Clemson Libraries and $5,000 to the Scroll of Honor Memorial, all from gifts designated by members.

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The Clemson University Biomedical and Bioengineering Translational Research Program focuses on cardiovascular science and engineering and orthopaedic biomaterials and biomechanics. For more information, contact Martine LaBerge, bioengineering professor and department chair, at laberge@clemson.edu.

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Abney Scholarship
Clemson students who receive the Abney Scholarship met Abney Foundation trustees in an event earlier this year to thank the Abney Foundation for its 35 years of University support. Since 1975, Clemson has awarded more than $750,000 has been raised in private donations to build the Larry J. Penley Jr. Golf Facility. These gifts, in addition to major funding from IPTAY, are making the much-needed facility possible.

The thre-story, 6,600-square-foot building will be located behind the golf team’s driving range at the Bobby Robinson Golf Practice Facility. It will provide space for Clemson’s nationally respected golf team and will include meeting rooms, offices, a repair shop, a service kitchen and locker rooms.

“The Larry J. Penley Jr. Golf Facility will not only be a great addition to our athletic facilities,” says Bill D’Andrea, senior associate athletic director for external affairs, “it will also demonstrate the leadership, financial support and commitment our former golfers have made to the program.”

Penley was himself an outstanding Clemson golfer, earning a degree in parks, recreation and tourism management in 1983 and the S.C. Amateur Champion in 1987 and 1988. All 26 of his previous Clemson teams have been selected to the NCAA regional tournament, and 23 have advanced to the national tournament. In the last 13 years, Clemson has had nine top-10 national finishes, more than any other school in the nation.

In 2003, he led the Tiger golf team to its first national championship. The same year he was named the Dave Williams Professor and department chair, at laberge@clemson.edu.

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I grew up in Seneca, where much of our day-to-day life was affected by Clemson, whether it was a football weekend or a flyover marking a military celebration or some other big event on campus.

Following in my older brother’s footsteps, I knew I wanted to attend Clemson. But I didn’t really know what I wanted to do as a career. That is, until I heard an energetic instructor, Col. Sandy Edge, talk about the benefits of the Air Force experience to a psychology class. I was hooked. I immediately signed up and started the Air Force ROTC program in the first semester of my junior year. I graduated in 2003 with a degree in technology and human resource development and received a commission from the U.S. Air Force as 2nd Lieutenant.

My first three years of active duty were at the Charleston Air Force Base. Soon after, I got the opportunity to return to Clemson and join the faculty. Teaching at Clemson was amazing — working with the University leadership and seeing just how much everyone wants Clemson to succeed.

Along with my teaching and service duties, I was adviser for the nationally recognized honorary service organization Arnold Air Society, where I supervised cadets in leadership and service projects. Last year, I was honored to be named the No. 1 Commandant of Cadets for Air Force ROTC.

While I take great pride in this national honor, I’m prouder still that it comes to Clemson’s program where I gained so much as a student. Clemson prides itself on giving back to the community, the state and the country, and I’m forever grateful to be part of such a wonderful tradition.

I’m Justin Long and this is My Clemson.

Long is currently serving overseas at Lajes Air Base, Azores, Portugal, as the 65th Air Base Wing protocol officer.
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Dabo Swinney, Reserve Member and Clemson University head football coach

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