

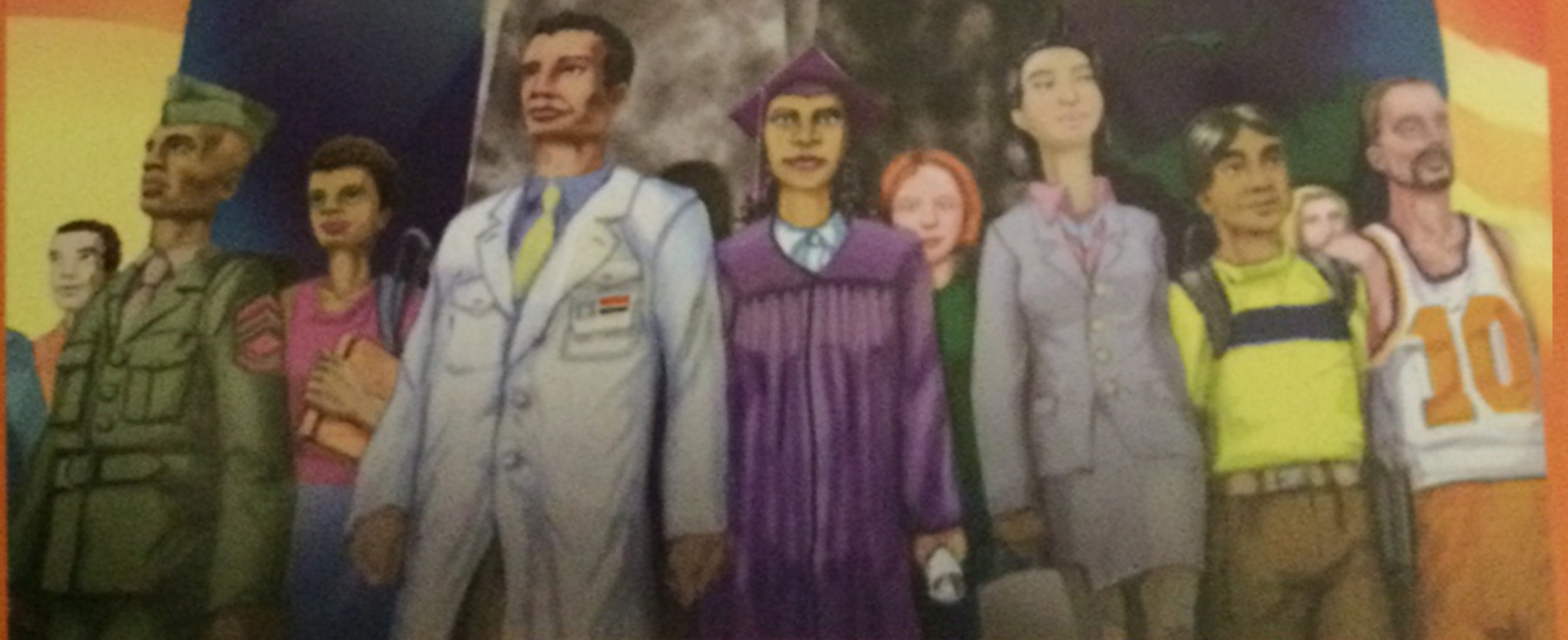
CLEMSON WORLD

SUMMER
2003

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ONE CLEMSON



FEATURES

'Killer Strain' 10

This former Tiger editor is making big news herself.

Bringing Home the Gold 12

Meet these star students and see how they spent their summer vacation.

Relevant Researchers 14

Meet Clemson's NSF CAREER Award recipients and young guns of research.

Building Engineers 19

A Clemson engineering legend rests on Cemetery Hill.

Sense of Duty 20

Clemson's sense of duty combines ROTC, defense research and military alumni.

Brand-New Season 24

Visit with the University's new AD as he shares his vision for Clemson athletics.

SUMMER 2003

VOL. 56, NO. 3

DEPARTMENTS

PRESIDENT'S VIEW

PAGE 2

WORLD VIEW

PAGE 4

LIFELONG CONNECTIONS

PAGE 28

STUDENT LIFE

PAGE 30

CLASSMATES

PAGE 32

NEWSMAKERS

PAGE 44

COMMITMENT

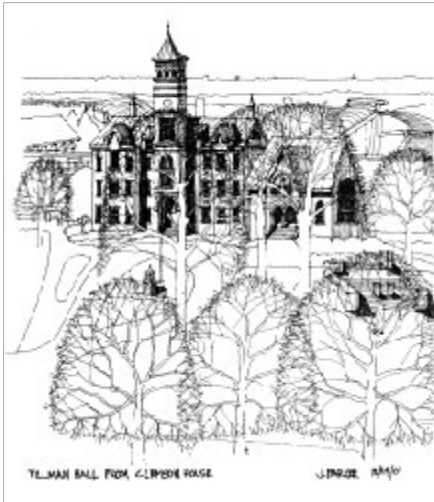
PAGE 46

TAPS

PAGE 48



The Challenge of Community and Diversity



As we were wrapping up *Clemson World* to go to press, the U.S. Supreme Court was issuing a ruling that upheld the use of affirmative action in university admission policies, within limitations.

The impact on schools like Clemson that don't use race as an admission factor remains to be seen. But hidden in the legalese of the lengthy opinions was this critical fact: The Supreme Court accepted the University of Michigan's contention that diversity enhances academic quality. It agreed that a diverse student body adds value to the educational experience of all students.

We were reminded of one of Clemson's 10-year goals – “to strengthen our sense of community and increase our diversity.” Earlier this year, Clemson celebrated its 40th anniversary of desegregation with a series of events including a national conference on issues facing today's African American college students.

The following essay written by President Jim Barker – published in the Spring 2003 issue of “Challenge,” the newsletter of Clemson's Houston Center for the Black Experience Affecting Higher Education – looks at the relationship between community and diversity and the role each plays in higher education. – Ed.

❖ It is the inclusion of both community and diversity that deserves our greatest energy and creativity.

Community and diversity are words charged with meaning and energy. Seen independently, they represent a challenge for any institution. Linked together, they represent the most challenging of Clemson's goals for our future.

Community symbolizes shared values. These values generate the sense of community, which every institution envisions for its campus. Often a “sense of community,” combined with natural and man-made elements (like trees, buildings, contours, vistas and open spaces), creates a “sense of place” to house community. At the core of community is the task of seeking truth.

Diversity is a word popular in our vocabulary to cover gender, race, culture, religion, lifestyle, philosophy and national origin. Creating a climate in which intellectual diversity is prized is vital to a vibrant institution. Therefore, at the core of intellectual diversity is the task of seeking truth.

As a pair, community and diversity can be seen in tension. At their core, however, community and diversity have the identical task of seeking truth. It is this core of common ground where Clemson's goal to “strengthen our sense of community and increase our diversity” finds its substance and meaning.

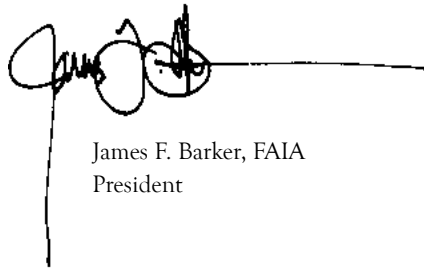
The tension between community and diversity is obvious. Community is often seen as a collection of things, people, ideas or philosophies that are similar, creating an environment that is pleasant but intellectually weak. Diversity is frequently seen as the opposite of community. But, in fact, when they work together, they energize and balance the learning experience at a great university.

Community and diversity are both foundations for excellence in higher education. Each

strengthens the other if both are valued. However, if one dominates the other, the intellectual environment and the search for truth are damaged.

In a major research university in the third millennium, community must be highly valued and diversity must be highly valued. However, it is the inclusion of both community and diversity that deserves our greatest energy and creativity.

The architect Robert Venturi described our challenge clearly. It is the “difficult unity of inclusion.” This is Clemson’s challenge as we strive to meet our goal of community and diversity.



James F. Barker, FAIA
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World View



PHOTO BY KERRY CAPPS

NCAA Golf Champs, front row from left, Ben Duncan, D.J. Trahan and Gregg Jones; back row, Matt Hendrix, Jack Ferguson with academic adviser Joe White and Coach Larry Penley, National Golf Coach of the Year.

National Champions!

On May 30, in Stillwater, Okla., Clemson golfer D.J. Trahan fired a final round of 74 and teammate Jack Ferguson clinched the win with a par on the 18th hole, leading Clemson to its first NCAA Golf Championship.

Clemson also became the first school in NCAA history to win its conference championship, NCAA regional title and National Championship in the same year. The Tigers started and ended the year as the No. 1 ranked team in the nation.

Clemson finished the season with a 124-8-3 record against top-25 opposition, an incredible 93 percent winning percentage, by far best in the nation and best in Clemson history.

It was the University's fourth National Championship overall. Clemson won the 1987 and 1984 NCAA Soccer Championships and the 1981 College Football National Championship.

More than a few good women

A few adventurous women started coeducation at Clemson in 1955 and paved the way for many women to follow. In celebration of Clemson's 50th anniversary of coeducation in January 2005, we're planning a special edition of Clemson World.

We're looking for Clemson women "firsts" on campus such as the first engineering graduate, first female ROTC cadet, first female drum major of Tiger Band and others.

We're also looking for outstanding successes of our female graduates, whether it be as a CEO, doctor, professional athlete, musician, award-winning teacher or other accomplishment. Please send your suggestions to us at Clemson World, 114 Daniel Dr., Clemson SC 29631-1520 or email lnewall@clemson.edu.

Clemson tags \$1,000,000!

Clemson license tags in South Carolina had a record-breaking month in January. Revenues from tag sales put the University's proceeds over the \$1 million mark, with every penny going to Clemson scholarships.

State tags are managed by the Alumni Association to benefit the University, alumni and students. They're available at all S.C. Department of Motor Vehicles offices.

Clemson has official license tags in other states, too. North Carolina and Tennessee have Clemson tags available right now. A Maryland tag is in the works, and Virginia alumni are working to gather the required number of applications to get a tag there. Although these states don't provide revenue to the University from sales, the tags are a great way to show Clemson pride well beyond South Carolina.

For more information, call the Alumni Center at (864) 656-2345 or contact your local DMV office.



Bob Peeler

Clemson Trustee

The S.C. General Assembly elected former Lt. Gov. R.L. “Bob” Peeler '91 to the Clemson University Board of Trustees in May. He fills a vacancy created earlier this year by the resignation of Florence architect and longtime board member Allen P. Wood '63.

Peeler, who earned a management degree at Clemson, has supported both the University's academic and athletic programs. He's served on the Clemson Board of Visitors and was a member of the former College of Commerce and Industry advisory board.

A Gaffney native, Peeler lives in Lexington with his wife, Bett, and their son, Robert. Their daughter, Caroline, is a senior at Clemson. Peeler's twin brother, Bill, and older brother, Harvey, are also Clemson alumni.

The Clemson Board of Trustees is made up of seven life trustees in self-perpetuating seats and six trustees elected by the S.C. General Assembly for four-year terms. Peeler will complete Wood's term and then be eligible for re-election.

Green flag to automotive research

Clemson's graduate automotive engineering initiative will receive \$15 million in lottery funds through the state's new Research Centers of Economic Excellence provision. The announcement came in late June.

The state funding and required \$15 million match will help pay for endowed professorships in auto design and development, automotive systems integration and manufacturing, as well as additional faculty, support staff and technicians. The faculty will be based at Clemson's proposed new graduate engineering education center in Greenville.

“This world-class research will grow South Carolina's automotive industry and provide exceptionally well-qualified master's and doctoral graduates for BMW Manufacturing Corp. and the state's burgeoning auto industry,” says Chris Przirembel, Clemson's vice president for research. “If we want to keep companies like BMW in South Carolina, it's vital that we help them remain competitive.”

The endowed chairs enhance an initiative by Clemson, BMW and the state Department of Commerce to construct a premier graduate engineering education center. Officials said the center could make the Upstate a hub of automotive research.

Knowledge-based industry clusters fuel their regions' prosperity and drive national economic growth through innovation and a highly qualified workforce. Already existing examples include the N.C. Research Triangle and the semiconductor cluster in Austin, Texas.

The state's \$15 million allocation to Clemson will now be matched on a dollar-for-dollar basis with money from BMW and other automotive suppliers.



Changes in admissions

Clemson has made two major changes to its admission policies and procedures. The first is in the timetable for notifying students of admission. The University is ending its rolling admission policy for freshman applicants.

Beginning with the 2004 academic year, students whose applications are received by Dec. 1 of each year will receive a decision the week of Feb. 15. Students whose applications are received after Dec. 1 will receive a decision the week of Feb. 15 or as soon as possible thereafter. Scholarship recipients are the only exceptions to the new policy and will receive a decision once the application file is complete.

Transfer students will still be evaluated on a rolling basis, as will students who will begin their studies during the spring semester.

The second admission policy adjustment is that beginning in the spring of 2005, the University will require all freshman applicants to take a standardized writing test as part of the SAT or ACT. Clemson will use the writing test in both admission and placement decisions.

For more information, contact the Office of Admissions at (864) 656-2287 or visit the Web at www.clemson.edu/admission.



Passing of a national legend

Clemson's most illustrious graduate – J. Strom Thurmond '23 – died at age 100 on June 26 at Edgefield County Hospital, where he had taken up residence in January after leaving the U.S. Senate.

“While the state and nation mourn this loss, Sen. Thurmond’s passing is especially poignant for all of us at Clemson University,” says President Jim Barker. “He was one of our own – a remarkable alumnus and member of the Clemson family.”

Before becoming the longest-serving U.S. senator, Thurmond was a teacher, school superintendent, state senator, attorney, judge, soldier, governor and presidential candidate. Thurmond’s papers and memorabilia are housed at Clemson in the Strom Thurmond Institute of Government and Public Affairs.

Look for much more on Strom Thurmond’s extraordinary life in the fall issue of Clemson World.



Nursing student Latoya Macon (right) checks SimMan’s vitals with professor Deborah Willoughby.

Incredible SimMan

A trio of new patients in Clemson’s School of Nursing are presenting an array of challenges for nursing students. These human patient-simulators can speak and breathe. Their pulse can race, and they can have heart attacks. The computerized patients can also make a full recovery if given proper treatment.

SimMan is a critical teaching tool addition for Clemson’s Clinical Learning and Research Center renovation project, the top priority for the School of Nursing. Nursing is collaborating with the School of Architecture to design a Clinical Learning and Research Center. The center will simulate state-of-the-art clinical environments and highly technical teaching/learning models, essential for education in today’s complex medical field.

For more information about supporting the clinical center, contact Pat Padgett at (864) 656-5890 or pdgett@clemson.edu.

Newest oldest tiger

Visitors to the Bob Campbell Geology Museum at the S.C. Botanical Garden will now come face-to-face with Clemson’s newest oldest tiger, the ferocious Smilodon.

This ancient relative of the Clemson mascot roamed South Carolina over 10,000 years ago. Capturing prey, such as horses, with its nine-inch-long saber teeth, Smilodon was one of the largest predators of its day.

“We wanted to put the museum on par with other Clemson-area attractions such as Howard’s Rock or Clemson ice cream,” says museum curator David Cicimurri. Smilodon was brought to the Upstate through an adopt-a-bone program developed by museum and geology department staff and alumni.

Several bones are still available through the adopt-a-bone program. For more information call Christian Cicimurri at (864) 656-4602, email cmcici@clemson.edu or visit the Web at www.clemson.edu/geomuseum. Museums hours are Thursday-Saturday, 10 a.m.-5 p.m., and Sunday, 1-5 p.m. Suggested donation for admission is \$3 for adults and \$2 for children.



PHOTO BY DERRICK JORDAN

Big kid at heart

Clemson President Jim Barker joined the likes of NBA superstars, high-ranking military officers, humanitarians and actors when he was inducted into the Boys & Girls Clubs of America's Alumni Hall of Fame earlier this year.

He was inducted alongside Harry Lee Anstead, chief justice of the Florida Supreme Court; Brooke Bennett, three-time Olympic gold medalist in swimming; Swin Cash, forward for WNBA's Detroit Shock; Mario Lopez, actor and talk show host; Sgt. Maj. Alford McMichael, the first African American appointed to the post of sergeant major in the U.S. Marine Corps; and Bill Perocchi, chief executive officer of Pebble Beach golf resort.

Last summer, President Barker led a partnership with the organization to establish the Strom Thurmond Boys & Girls Club Leadership Institute at Clemson. It provides an advanced curriculum and a world-class facility to help the national youth development organization recruit, train, retain and develop professional and volunteer leaders for the future.

For more information about the leadership institute – located in the Jim Self Center on the Future at the Strom Thurmond Institute – call (864) 656-4700 or visit the Web at bgca.clemson.edu/advertising.



Raspberries vs. cancer

Aging, too. Clemson scientist Lyn Larcom's research on raspberries has found that these berries and other fruits contain powerful chemical compounds that can improve the body's resistance to cancer growth and skin aging brought on by pollution and sun exposure.

A goal of the research is to develop skin creams that inhibit cancer and the skin changes resulting from aging and sun exposure. Larcom's work has attracted the attention of the U.S. Department of Agriculture, National Institutes of Health and private interests. Dermacon Inc., a South Carolina-based corporation specializing in plant-derived health products, is working with Larcom.



Sugar trigger

Science magazine spotlights the groundbreaking sugar research of Clemson plant biochemist Bradon Moore and others. The April 11, 2003, issue of the international research journal reports that a team of scientists, including Moore, has found that sugars not only serve as fuel for plants but also as signal compounds to genes critical to cell development and plant growth.

The research provides insights into the fundamental importance that sugars play in both plants and animals. Scientists predict the findings will lead to new research on the role sugars have in human development and disorders, such as diabetes and obesity. For now, the research findings are expected to have more impact on agriculture, identifying new ways to improve crop yields.

Showcasing Littlejohn

Students have taken over Littlejohn Coliseum. Clemson's newly renovated basketball facility is getting a makeover in management too.

Previously handled by Clemson's athletic department, it's now managed by the University Union and Student Center in collaboration with the athletic department. The new system makes Littlejohn a multipurpose facility that can serve as a venue for a variety of events, showcase the facility and increase visibility of the University, while giving students invaluable management experience.

The University Union and Student Center are handling Littlejohn scheduling, planning, security, maintenance and customer service.

In addition to Clemson basketball games, the coliseum can serve as a venue for concerts, family events, semiprofessional sporting events, pageants, expos and trade shows, gala banquets, graduation ceremonies and career fairs.

The \$31 million renovation added a separate basketball practice facility, which will enable the teams to practice when Littlejohn is being used for other events, providing more flexibility for booking events year-round.

Today's youth

Clemson's Public Service Activities division has taken tremendous budget hits with decreased state funding. As a result, priorities have shifted and some services have been eliminated. PSA's Youth Learning Institute, however, has not only survived but has grown in strength and scope.

The Youth Learning Institute's mission is to create and deliver hands-on learning opportunities through a nontraditional delivery system that builds relationships and improves life skills.

This means that the institute addresses all the youth of the state — from the leaders of tomorrow to well-adjusted summer campers to children in foster care to unwed teen mothers to youth in the juvenile justice system.

"We are a mechanism for statewide youth outreach through Clemson that ensures that South Carolina's youth have access to the resources of the University and its partners," says Jorge Calzadilla, institute director.

For example, earlier this year the Youth Learning Institute received the President's Award from the S.C. Foster Parents Association for its positive impact on foster children and foster parents. With the Department of Social Services, the institute operates summer camps for children in foster care with emphasis on character development and self-esteem. The program also includes a series of six weekend retreats that target foster care families, those involved in child protective services cases and adoptive families.

In May, the institute formalized a partnership with the S.C. Department of Juvenile Justice for a working relationship designed to turn lives around for at-risk youths. It calls for an effort to create and enhance services and programs that provide at-risk youths, juvenile offenders and their families with the skills and services necessary to succeed in society.

It includes a plan to make use of the natural resources of the incarceration facility to create an environment similar to that of community wilderness camps. Other plans are for a residential weekend program in a camp atmosphere for families of at-risk youths and day treatment centers for previously convicted juveniles likely to re-offend and as a diversion program for new offenders.

Also earlier this year the institute opened the New Horizons Family Center, a residential group home in Summerton for teen mothers in the custody of the Department of Social Services. The center's mission is to help these young mothers become self-sufficient through hands-on educational experiences in a positive environment.

The Youth Learning Institute has many other partners, such as the S.C. Sea Grant Consortium and the Department of Natural Resources, that work together to offer a marine science camp near Charleston. The Coalition for Natural Resource Education (CNRE) helps the institute offer Teaching Kids About the Environment (Teaching K.A.T.E.), a widely successful program for elementary and middle school children at their sites across the state. This past year, the Youth Learning Institute partnered with a local school district to obtain a grant for an environmental



technology (E-Tech) program. The interactive program also included teacher development workshops and was offered to 1,000 students.

Its latest partner is the S.C. National Guard in Pickens County, where the Guard is allowing the institute to use its 33-acre property with more than 35,000 square feet of facility space for family and youth programs.

Other facilities include the Robert M. Cooper 4-H Leadership Center near Summerton, W.W. Long 4-H Leadership Center in the Sandhills region, Matthews 4-H Environmental Learning Center in York County, Sewee Marine Science Camp in Awendaw and Camp Wildlife located at the Clinton House Plantation.

For more information about Clemson's Youth Learning Institute, its camps and other programs, call Lori Frager at (864) 878-1041 or visit the Web at www.clemson.edu/yli.

How to 're-career'

Advice from Tenneil Moody
Director of Alumni Career Services

From authors to pilots and actors to professional athletes, many of our fellow alumni have found career success beyond their academic majors and college degrees. Turbulent times are changing our national economy, our local workplace and our individual goals and values. Since 9/11, many clients have contacted the Office of Alumni Career Services about changing not just jobs, but careers. Changes in job duties or financial strains and a shift in priorities can force anyone into taking a different path. You need to know how to re-career.

As you update your résumé, you also need to re-evaluate your values. Without investing the proper time and energy into the job search before mass mailing résumés, you're bound to find yourself in the same situation or worse within a year or two. Though the foundations of lifelong career development stay constant, our personalities dictate different approaches.

Some people think changing careers is like falling off a cliff, but it's more like getting in a swimming pool. Some of us test the water with a toe, some dive in after some inspection, and still others cannonball off the high dive.

Aska-Tiger mentor and Parents Council volunteer Larry DiBiase is the father of current students Angelo and Gabriel DiBiase and graduate Carmen DiBiase Atkins '01. He spent the early part of his career as a teacher and coach at a small college. But later, when he became unsatisfied with salary issues and the long hours away from his family, he decided to take the plunge. At 42, he went back to school and traded in his whistle for a chance to join the insurance sales business. Despite the obvious challenges, his persistence benefited him and his family as he says, "I wouldn't trade all the winning games in the world for what I have now!"

Another Aska-Tiger mentor Bobbi Moore '76 had her eye on the legal field while originally working in recreation and park administration. She pursued a paralegal degree at night while working full time. Even though the schedule was difficult, she found academic success easier as a mature, focused student. She earned her degree and became a

paralegal, a profession she plans to pursue until retirement.

Aska-Tiger mentor John Everett '87, a political science graduate, had pursued politics earlier in his career. He worked with Bruce Babbitt as a candidate for the U.S. presidency; he was also assistant to the mayor of Nashua, N.H., and later executive director of an affordable housing and community development corporation. But when he didn't see any future career moves, he decided to join his wife in the field of education. He combined his love of politics and history by teaching those subjects. Staying in the field he loved, he was able to find challenges and rewards in different job titles.



Still another Aska-Tiger mentor Col. Sandy Edge '72 went into the Air Force after graduation and worked as a military police officer. He lived throughout the world but remembered his love of Clemson. Focused on a career in higher education, he transitioned into the field by serving his last four of 28 years in military recruiting and advising ROTC students. Because he had gained experience with students in an advisory role, Edge was ready for an academic affairs position at the University. Now, director of the College of Business and

Behavioral Science Academic Advising Center, Edge was recognized earlier this year by Clemson's student government for his excellence in advising.

Before you, too, dive into a career change, be sure to know what you're jumping into. For assistance in making a career transition, contact Clemson University Alumni Career Services at (864) 656-2345. To ask mentors in the Aska-Tiger Network for advice, go to <http://askatiger.clemson.edu>, click on "search mentors," enter the password "alumnitiger" and select "special insights."



Pulitzer Prize-winning journalist
Marilyn W. Thompson '74
got her start writing for *The Tiger*.

‘Killer Strain’

by Liz Newall

It started as a letter. An awkwardly addressed piece of mail sent through the U.S. Postal Service late in 2001. At first examination, it seemed like a bad joke on the heels of the nation’s horrendous 9/11 attack. But before its deadly contents of anthrax were identified, two people would die and many more would become sick. The final toll would be five innocent lives, thousands more endangered and a government exposed.

Washington Post investigative editor and 1974 Clemson alumna Marilyn W. Thompson spent the next two years poring over records and interviewing key people, from the halls of Congress to the assembly lines of the U.S. Postal Service. Her research has led to a better understanding of how the government handled the bioterrorism crisis, what it did both wrong and right, and what we’ve learned or should have learned.

The resulting work is *The Killer Strain: Anthrax and a Government Exposed* (HarperCollins), a book that reads like a medical mystery featuring characters you come to care about – the victims, scientists behind the scenes, agents on the case.

Because of her compelling coverage of the anthrax letter attacks and her solid reputation as a investigative writer, Thompson has been a guest on the “Today Show,” CNN and most every other high profile news show since her book came out in April.

The Pulitzer Prize-winning journalist began her career writing for Clemson’s student newspaper, *The Tiger*.

Marilyn Walser grew up in Greenville in the 1960s and enrolled in Clemson to become a teacher. Once she joined *The Tiger* staff, however, she found newsprint to be her calling. She also married fellow staffer Robert W. Thompson ’73 and experienced life as a student and newlywed in the Clemson prefabs.

After graduation, Thompson joined the *Columbia Record* in the state’s capital as a governmental affairs and investigative reporter. She soon earned the S.C. Journalist Award. And in 1982, she was named a Congressional Fellow by the American Political Science Association.

Next she joined the *Philadelphia Daily News* as a general assignment and investigative reporter. She then moved to the *New York Daily News* and soon transferred to its Washington, D.C., bureau to cover the Justice Department.

There she broke the first stories of government contract fraud by the Wedtech Corp. After covering the scandal for several years, she wrote *Feeding the Beast: How Wedtech Became the Most Corrupt Little Company in America*. (She also researched the early years of Strom Thurmond in a biography she co-authored with Jack Bass.)

Thompson joined the *Washington Post* in 1990 where she’s currently assistant managing editor of the Post’s investigative team. Thompson’s team has twice won the Pulitzer Prize for Public Service, one for their work uncovering D.C. police abuse and another investigating D.C. Services for the Retarded.

In addition to her new book and her current work for the Post, she’s been invited to teach a course in writing about terrorism at Princeton this fall.

Not bad for a Clemson coed from the 1970s who lived in the prefabs and wrote for *The Tiger*.

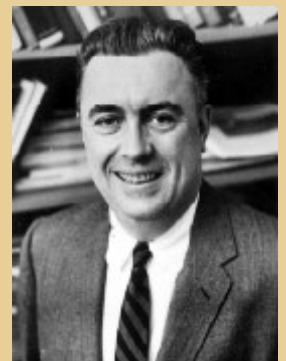
Harry S. Ashmore ’37

Clemson’s most famous journalist and first Pulitzer Prize-winner Harry S. Ashmore ’37 also began his career as a *Tiger* editor. The Upstate native went on to write for the *Greenville Piedmont* and the *Greenville News*. After military service in Europe, Ashmore joined the *Charlotte News* staff. Next he moved to the *Arkansas Gazette*.

It was for the *Gazette* that he wrote his award-winning editorials urging the people of Arkansas to uphold the law of the land and allow school integration. He received the Pulitzer Prize for Public Service in 1958.

After leaving the *Gazette*, he moved to Santa Barbara, Calif., where he served as president of the Center for the Study of Democratic Institutions and as editor in chief of the *Encyclopædia Britannica*.

He was the author of 14 books, including *Civil Rights and Wrongs: A Memoir of Race and Politics, 1944-1994*. In 1995, he was inducted into the S.C. Academy of Authors, and in 1996, he received the Robert F. Kennedy Memorial Lifetime Achievement Award. At Clemson he received a Distinguished Service Award in the 1967 and an honorary doctor of humanities degree in 1988. He passed away in 1998. *



Bringing Home the Gold

For the first time in the history of the University, three Clemson students have received the prestigious Barry M. Goldwater Scholarship at the same time.

With this academic triple play, Clemson beat out Stanford, Vanderbilt, Cal Tech, UC-Berkeley and Johns Hopkins. And we join the ranks of Yale, MIT and a few select others.

Honor students Matt Kerr, Meredith Russell and Joe Ziska received the Goldwater Scholarship, which covers expenses for tuition, fees, books, and room and board. Selection is based on academic record, previous and current research experience, area of study, career objectives and potential for making a significant contribution to the advancement of science and mathematics.



Goldwater Scholars (from left) Matt Kerr, Meredith Russell and Joe Ziska.

DAVE LEWIS

“Having three winners of such a selective award puts Clemson in some pretty elite company,” says Steve Wainscott, director of Clemson’s Calhoun Honors College. “But more importantly, it shows the caliber of student that the University is attracting.”

Matt Kerr is a rising senior in physics from Orangeburg. This Goldwater Scholar is also a member of the first class of Clemson National Scholars. His primary research interest is particle physics, the study of the behavior and composition of the subatomic particles that are the building blocks of all matter and energy. Kerr is interning this summer at CERN, a particle accelerator facility in Geneva, Switzerland.

Meredith Russell is a rising junior in physics from Evans, Ga. In addition to the Goldwater Scholarship, she’s also a recipient of the Goddard Scholarship, awarded by the National Space Club to a student committed to a career in aerospace science and technology, and the Undergraduate Research Award from the S.C. Space Grant Consortium. She’s conducting research at the NASA Jet Propulsion Laboratory in Pasadena, Calif., this summer.

Goldwater Scholar Joe Ziska is a rising junior in computer engineering from Dover, Del. He plans to design and build equipment for space exploration and research. He also has a strong interest in studying sprites, lightning that begins in the clouds and moves upward into the atmosphere instead of down. This summer, he’s teaching Slovakian high school and college students English with a group of Clemson students from Campus Crusade for Christ. *

What summer vacation?

Clemson’s Calhoun Honors College awards competitive grants of up to \$2,000, and sometimes more, to students to help provide life-changing educational experiences outside the classroom and away from the Clemson campus. These experiences may be internships, foreign study, public service projects or other significant undertakings consistent with the student’s educational, career or personal goals. Funding priority is given to experiences that have promise for contributing to competitive applications for Rhodes, Marshall, Truman, Goldwater, Fulbright and other nationally competitive scholarships. The students must submit detailed grant proposals and corresponding budgets to be considered for these funded experiences.

Thanks to the Honors College 2003 Summer Educational Enrichment Awards, the following students are making valuable contributions and gaining invaluable experience.

Ann Cade, a biological sciences major, is interning in Washington, D.C., with the Child Welfare League of America, a nonprofit organization that sets national and international child welfare and health standards.

Adora Cheung, a computer science and economics double major, is producing a documentary film on the lives of children in Chicago’s housing projects.

Casey Hancock, a polymer and textile chemistry major, is working in Charleston with the Friends of the Hunley Project, seeking to discover and preserve the history of the H.L. Hunley.

Tera Keeler, an aquaculture, fisheries and wildlife major, is at the Rocky Mountain Biological Laboratory, a field station and educational facility on Gothic Mountain outside Gunnison, Colo., where she’s studying conservation and ecosystem management and participating in a work-study program.

Jan Levinson, a history major, is interning at the Museum of American History at the Smithsonian in Washington, D.C., where she is performing primary research on American Music from 1940 to 1980.

Tara McQuiston, a language and international trade major, is interning at the Port Authority of New York and New Jersey in the Maritime Division.

Kelly Paterson, an early childhood education major, is volunteering with deaf and hard-of-hearing children on the campus of the Augustine School for the Deaf in Brattleboro, Vt.

Clarice Seifert, a biochemistry major, is volunteering in Maneadero, Mexico, at Let the Little Children Come, a home for neglected and abandoned children.

Michael D. Stadnisky, also a biochemistry major, is conducting research at the Good Shepherd Clinic in San Jose Succotz, Belize, with the help of the Amazon Conservation Team and N.Y. Botanical Junior Garden’s Ethnobotany and Floristics of Belize Program.

Stephanie Zabel, a horticulture major, is conducting an ethnobotanical survey of Dominica’s medicinal plants while stationed at the Springfield Center of Clemson’s Archbold Tropical Research and Education Consortium.

Honors at a glance

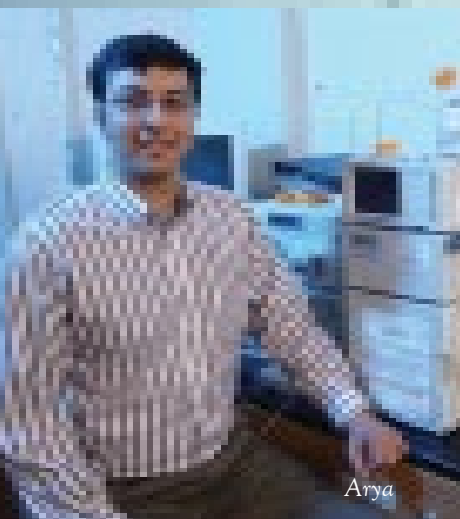
Calhoun Honors College is a University-wide program with more than 1,000 students, including approximately 250 freshmen each year. Calhoun Scholars work to complete two academic programs — General Honors and Departmental Honors. General Honors encourages development of a broad range of academic interests. Departmental Honors allows students to pursue independent study and research in their major.

- Since 1993, honors students have accounted for more than 10 percent of Clemson’s freshman class.
- Thirty-seven percent of the current honors students scored higher than 1400 on the SAT I.
- Thirty percent of Calhoun Scholars graduated from high school as the top-ranked student in their class.
- Two-thirds graduate from Clemson with a final grade point average of 3.70 or higher.
- Almost 90 percent of honors freshmen receive Advanced Placement credit for one or more courses. On average, these freshmen begin college with 17 semester hours of AP credit.
- In addition to three Goldwater Scholars, Clemson had a finalist for the Rhodes Scholarship, the British Marshall Scholarship and the Truman Scholarship for the 2002-03 school year. Five Clemson students were also awarded National Science Foundation Graduate Fellowships.

For more information about Clemson’s Calhoun Honors College, call (864) 656-4762 or email cuhonors1@clemson.edu or visit the Web at www.clemson.edu/cuhonors.

Relevant Researchers

Portraits by Patrick Wright



Arya



Bruce



Burg

Cheaper, better prescription drugs. More efficient SUVs. Cleaner water and air. Faster, more powerful computers. Quicker recovery from surgeries.

The "R" in Clemson research is for relevance.

More than 1,000 active research projects by Clemson professors are under way across the campus and centers across the state, many that will make an impact in your life as well as the state and the nation.

In November 2002, the University celebrated breaking the \$100 million research mark. This means that Clemson researchers are working on projects that matter and that government agencies and private industry believe will get results.

Clemson has almost doubled research funds and contracts in the past three years through the extraordinary talent and heart of its faculty. Along with its seasoned researchers, Clemson has attracted a wealth of outstanding young researchers.

The University now has 16 faculty members with National Science Foundation CAREER Awards, the organization's most prestigious award for new faculty.

Meet these promising young professors in science and engineering who have translated their research work into significant education activities and who are likely to become the academic leaders of the 21st century.

Dev P. Arya – Developing More Potent Antibiotics

Chemistry professor Dev Arya's research could lead to the production of more highly selective and potent antibiotics. Arya has found that aminoglycosides, which have been at the forefront of antibacterial therapy for 50 years, work differently than previously believed. Aminoglycosides were thought to bind only to ribosomal RNA. Arya's work has shown that they bind to other types of RNA/DNA as well. This suggests that binding of aminoglycosides is more complex and offers more potential than previously realized. This discovery could lead to stronger, more effective antibiotics. Arya received his Ph.D. in bioorganic chemistry from Northeastern University in 1996. Following postdoctoral work at the University of California-Santa Barbara from 1996 to 1999, he joined Clemson.

David A. Bruce – Reducing the Cost of Drugs and Agricultural Products

Chemical engineering professor David Bruce has developed a research program to prepare solid oxidation catalysts, which could lower the cost of producing life-saving pharmaceuticals, aroma

chemicals, food additives and insecticides. This new preparation method eliminates the costly purification process necessary today. Bruce earned his Ph.D. from the Georgia Institute of Technology in 1994 and completed one year of postdoctoral work before joining Clemson in 1995.

Karen J.L. Burg – Helping Breast Cancer Patients Recover

Bioengineering professor Karen Burg has established a nationally recognized and innovative research program in breast tissue engineering for cancer patients. Her work holds the promise of being able to implant a cellular material, developed using the patient’s own healthy

or environments in virtual reality. His research will have significant impact on the steadily growing areas of perceptually based computer graphics and human-computer interaction. Duchowski received his Ph.D. from Texas A&M University in 1997 and joined Clemson in 1998.

Stephen H. Foulger – Enhancing Photonics

The results of materials science and engineering professor Stephen Foulger’s research could have significant implications for the field of photonics, an optical communications technology that melds light with electronics. He’s studying plastic, synthetic opals to determine if



cells, in order to replace tissue removed during breast cancer surgery. Her research has the potential for widespread medical uses in areas such as liver repair or cartilage replacement. Burg earned her M.S. and Ph.D. in bioengineering at Clemson and completed a tissue engineering postdoctoral fellowship at Carolinas Medical Center in Charlotte, N.C. She returned to Clemson in 1999.

Elizabeth R. Carraway – Keeping Our Water Clean

Environmental engineering and science professor Elizabeth Carraway’s research program investigates iron chemistry in order to develop better ways to clean contaminated groundwater and surface water. The importance of iron in the environment ranges from treating contaminated groundwater with “iron walls” to releasing nutrients in oceans, lakes and rivers by sunlight. She uses the rusting of the Titanic to illustrate iron chemistry to students. Carraway received her Ph.D. from the University of Virginia and did postdoctoral work at the California Institute of Technology and the University of Michigan. She joined Clemson in 1999.

Andrew T. Duchowski – Tracking Human Eyes to Improve Computer Graphics

Computer science professor Andrew Duchowski’s NSF CAREER Award supports education and research concerning eye tracking – a technology used to measure eye movements by studying patterns of visual attention – how individuals scan computer displays, Web pages

it’s possible to guide and direct light through these man-made stones. His research could lead to the development of new materials and methods to enhance the photonics field that has paved the way for high-speed Internet communications. Foulger received his Ph.D. from the Massachusetts Institute of Technology in 1996 and began working in the research laboratories of Pirelli Cables & Systems as a polymer scientist. He left industry in 1999 when he joined Clemson.

Scott M. Husson – Creating New Ways to Reduce Drug Costs and Protect Water Supplies

Chemical engineering professor Scott Husson’s award-winning work is in molecularly imprinted polymer (MIP) surfaces. This chemical and engineering innovation paves the way for a wide range of applications, including low-cost drug screening, biochemical separations and real-time monitoring of water supplies against biochemical contamination. Molecular imprinting imparts “memory” to synthetic polymers. Armed with this memory, MIP surfaces differentiate among molecules in mixtures and bind target molecules from the mixture – a process that nature has mastered and that scientists and engineers strive to imitate. Husson earned his Ph.D. in 1998 from the University of California-Berkeley before joining Clemson.

Nader Jalili – Making Small Motors with a Big Impact

Mechanical engineering professor Nader Jalili is using nano-



Jalili



Karanfil



King

technology, the science of building and manipulating materials as small as a single molecule, to help create miniature devices that cause movement. These devices, such as miniature motors, micro-scale robotic systems and biomedical applications, could assist with surgery and more effective drug delivery. He's creating these new structures from nanotubes, tiny tube-shaped carbon or other compositions, which have the natural ability to move when energized. Jalili earned his Ph.D. from the University of Connecticut in 1998 and joined Clemson in 2000.

Tanju Karanfil – Using Carbon Filters to Clean Water

Environmental engineering systems professor Tanju Karanfil's research explores the use of carbon fibers for removing pollutants from water to develop new, more efficient treatment systems. Given the increasingly stringent water quality standards and public concern over environmental issues, environmental engineers are aggressively pursuing innovative, selective and versatile treatment technologies for solving current pollution problems and preventing new ones. Karanfil received his Ph.D. from the University of Michigan before coming to Clemson in 1996.

Jeremy R. King – Developing a Better Understanding of Our Universe

Physics and astronomy professor Jeremy King is using world-class facilities such as the W.M. Keck 10-m telescope on Mauna Kea, Hawaii, and the Hubble Space Telescope to study the chemical composition of the atmospheres of sun-like stars. One particular question King is addressing is if other stars like our own sun are cosmic cannibals that have swallowed once-surrounding planets. The answer is important in estimating the number of other solar systems like our own in this universe. Only after scientifically assessing the likelihood of other intelligent life elsewhere in the universe can we place ourselves in a universal context and truly understand how unique the Earth is. King earned a Ph.D. from the University of Hawaii and joined Clemson in January 2003.

Richard S. Miller – Working to Improve Fuel Efficiencies

Mechanical engineer Richard Miller's research uses advanced supercomputers to solve the equations governing the highly turbu-

lent mixing and combustion processes by which automobile engines, aircraft gas turbines and rocket engines on spacecraft operate. He's particularly interested in understanding how these processes differ depending on whether the mixing occurs at a low or high pressure. This work is expected to lead to improved fuel efficiency. Miller earned his Ph.D. from the State University of New York at Buffalo in 1995. He was a Caltech Postdoctoral Scholar with the Jet Propulsion Laboratory before joining Clemson in 1999.

Harlan B. Russell – Improving Wireless Communication

Making wireless communication systems faster and more efficient is the focus of electrical and computer engineering professor Harlan Russell's work. The rapid growth in wireless communication systems over the past few decades has resulted in the need for increased multimedia communication services in mobile environments. Russell is investigating protocols that can automatically find routes among the ad hoc arrangement of radios, support different types of network traffic, such as voice or email, and save energy to extend battery lifetime. He earned his Ph.D. from the University of Illinois before joining Clemson in 1999.

Mark A. Schlautman – Finding a Safe Way to Destroy Contaminants

Environmental engineering and science professor Mark Schlautman's research is expected to help us discover more effective ways to clean up contaminated sites and protect our drinking water. His work may lead to developing catalysts to destroy environmental contaminants from safe and natural materials. His overall research program investigates the movement, fate and effects of contaminants in the environment. Schlautman received his Ph.D. from the California Institute of Technology and was a postdoctoral research fellow at the University of Michigan. He came to Clemson in 1999.

Dennis W. Smith Jr. – Improving Advanced Materials for Light Displays, Microdevices and Sensors

Chemistry professor Dennis Smith's research is devoted to the field of photonics, sometimes called "electronics at the speed of light" and the backbone of the Internet-driven technology revolution. Smith and his team are working on micro-optics, miniature structures that communicate and process information as light rather than electricity.



Miller



Russell



Schlautman

Their work could cut Internet costs, double DVD storage capacity and lighten military aircraft. Smith earned his Ph.D. from the University of Florida in 1992. He was a Rhone Poulenc Graduate Research Fellow in France and a Dow Chemical Postdoctoral Fellow in Germany in 1993. Smith worked with the Dow Chemical Company Central Research Laboratory from 1993 to 1997 before joining Clemson in 1998.

Steven J. Stuart – Building Better Computer Chips

Chemistry professor Steven Stuart is working on a better way to make computer chips through the development of new mathematical models of silicon and how they describe the reactive etching process. These new silicon models allow predictive simulations of this important etching process that can lead to improvements in computer processing power. Stuart earned a Ph.D. from Columbia University in 1995 and worked as a research instructor at the U.S. Naval Academy before joining Clemson in 1998.



Smith

Chenning Tong – Improving Energy Efficiency and Reducing Emissions

Mechanical engineering professor Chenning Tong's research focuses on predicting turbulent combustion, a common type of combustion found in many automobile engines, aircraft jet engines, gas turbine power generators and industrial furnaces. Tong's research investigates the mixing of fuel and air and their effects on the combustion process. This research will help designers build more efficient, low-emission energy devices. Tong received his Ph.D. from Cornell University in 1995. He was a research associate at Penn State before joining Clemson in 1999. *

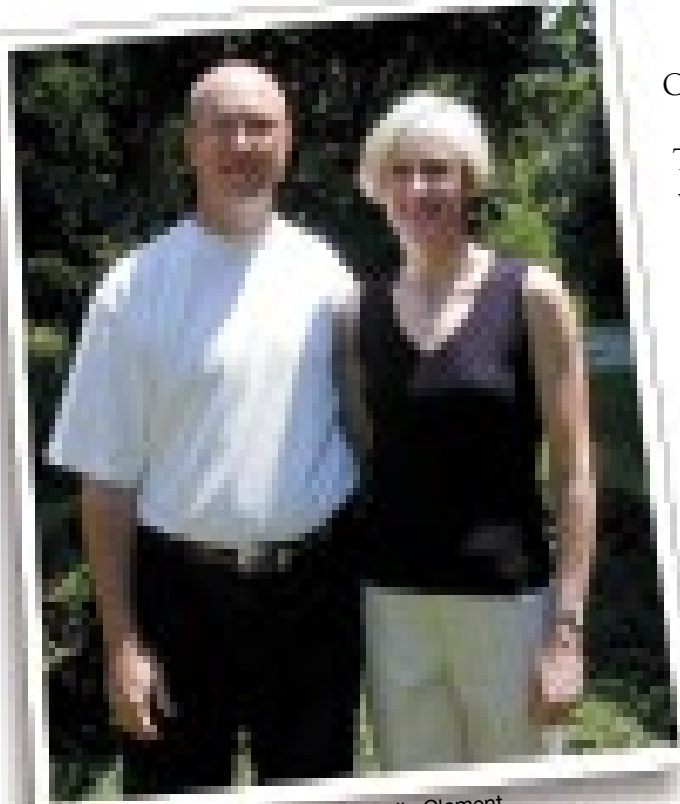


Stuart



Tong

'Fantastic decision'



Robert and Eydie Clement

Alumnus Robert C. Clement almost didn't come to Clemson.

The Tucker, Ga., native was all set to go to Georgia Tech when his parents, who had stopped at Clemson while driving through the Upstate, recommended that he check out the university in the South Carolina foothills.

"I fell in love with the looks of the place and changed my mind on the spot," says Clement.

More than 20 years have given him some perspective on that spur-of-the-moment life choice.

"It was a fantastic decision," says the Atlanta resident, now a partner in the management consulting and technology services company Accenture.

Clement graduated in 1984 with a bachelor's degree in economics. He stayed to earn a master's degree in 1985. While at the University, he was a member of Sigma Phi Epsilon fraternity.

After his master's degree, Clement accepted a job as an instructor in Clemson's economics department where he taught for three years.

"I really enjoyed teaching," he recalls.

He enjoyed it so much that he dusted off his teaching skills this past spring. As a guest lecturer, he talked with Clemson students about how innovative technology can be used in business.

He will continue as a guest lecturer during the fall semester, delivering up to three lectures

to economics students.

He considers it a good way to give back to the department.

Clement has also given back to the department by supporting it monetarily. He has contributed to the Economics Excellence Operating Account. He's paying on a commitment to donate \$75,000 to the department's unrestricted operating budget over five years. The department will use those funds to support faculty research and recruiting and graduate research.

In addition to that gift, Clement and his wife, Eydie, have made Clemson a primary beneficiary in their will. They are leaving half of their estate to the University.

Clement says his decision to support the University's John E. Walker Department of Economics was "quite personal." He considers members of the economics faculty as personal friends and has relied on them for advice throughout his career.

He also says the University helped him build a foundation that has served him well.

"The further I get away from my time at Clemson, the more I appreciate how much the University had to do with my success," says Clement. "My involvement now is a personal 'thank you.'"

For information about supporting the University through the Clemson Fund, contact Mendal Bouknight '74, chief development officer, at (864) 656-2121. For information on establishing an endowment or on planned giving, contact JoVanna King, director of gift and estate planning, Clemson University, P.O. Box 1889, Clemson, SC 29631-1889; call (864) 656-0663 or (800) 699-9153; or email jovanna@clemson.edu.

CEMETERY CHRONICLES

Building Engineers

by Will Spink '04

In the student lounge at Lowry Hall, civil engineering students study, chat and relax beneath the portrait of a bespectacled professor who paved the way for their successes over half a century ago. The man in the portrait and the namesake for that student lounge is Elwyn Lorenzo Clarke, head of Clemson's civil engineering department from 1921 to 1951.

E.L. Clarke was born in 1879 in Momence, Ill., about 40 miles south of Chicago. After graduating from the University of Illinois with a degree in civil engineering, he took on a wide array of engineering assignments, from railroads to surveying and from New York to Wyoming. He found his true passion in life, however, when he came to Clemson in 1921 and began teaching his engineering skills to college students.

Almost 600 civil engineers came through Clemson College during his 30-year tenure as department head, and many more have passed through since then.

Clarke's affectionate nickname, "Will (Rogers) Clarke," came from the many students who knew their professor to enjoy good jokes and strong personal relationships. In fact, when Clarke founded Clemson's chapter of the American Society of Civil Engineers (ASCE), the initiates were known as "Wills," and the red-and-white striped surveying rods they carried were "Will Poles."

Clarke was a member of ASCE while at Illinois, and it didn't take him long to bring the organization to Clemson. Only one year after his arrival, the 1922 Taps pictured 29 members in the inaugural class of the new club. He also founded Clemson's chapter of the national engineering honor society Tau Beta Pi. In addition, he served as president of the South Carolina chapter of ASCE in 1940 and as president of the S.C. Society of Engineers in 1942.

Joe Rostron, a former Clemson civil engineering professor who taught with Clarke, recalls him as "ethical, honest and interested in his students. He emphasized the need for accuracy and integrity in the civil engineering field."

Clarke was indeed held in high regard by his Clemson peers, as evidenced by his receiving the Scroll of Honor award for faculty excellence upon his retirement in 1951

and being named an honorary alumnus of Clemson in 1959.

Several years after his retirement, Clarke and his wife, Lucile Ann Wyatt, moved to a home on Wyatt Avenue in Clemson, a street named for her family. (They had met and married in Clemson in the early 1930s and had one daughter, Anne.)

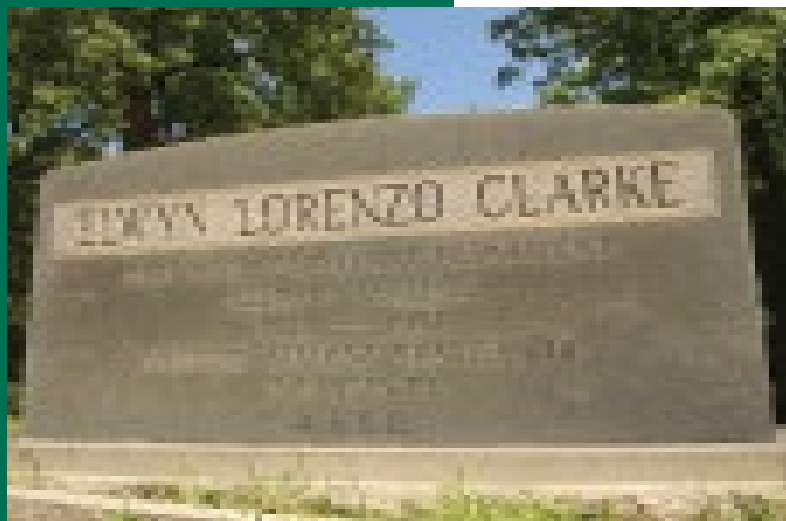
Clarke died in 1977 at the age of 97. The June 1977 South Carolina Engineer was dedicated to Clarke, "a loyal and conscientious teacher, who insisted on complete mastery of subject material, stressing practical application at the same time."

In 1978, the University further honored Clarke by naming the Lowry Hall student lounge after him.

In recent years the Clemson engineering programs that Clarke first built have consistently achieved success on a national level. Clemson civil engineers won the National Student Steel Bridge Competition in 2001 and have finished in the top three of the National Concrete Canoe Competition five years in a row, including national titles in 1999, 2000 and 2002.

Professor Clarke's portrait stands out on the student lounge wall because it's the only picture in a sea of plaques that recognize achievements of Clemson engineering students. The wall is a fitting tribute to the man who made these and many more student successes possible. So is his resting place on Cemetery Hill.

Will Spink is a Clemson National Scholar majoring in English. He's a staff member of The Tiger.



DAVE LEWIS

E.L. Clarke
1879-1977

Cemetery Chronicles is a series on the honored inhabitants of Clemson's Woodland Cemetery, better known as Cemetery Hill. For more information about the cemetery's historical value, contact Matt Dunbar at tigeray@alumni.clemson.edu.

To support its preservation and research, you can make a gift through the enclosed envelope and designate it for the "Cemetery Hill Preservation Fund."

SENSE OF DUTY

by Liz Newall

Clemson is strong and long on national defense – from Bowman Field to the Middle East, from the campus laboratory to the front line, from distinguished military service to outstanding teaching opportunities.

The recent War with Iraq and the continual threat of terrorism have put Clemson's

military alumni in the spotlight again, and the University's defense-related research has never been more important. But just as a strong defense is essential, so is a public education, with classrooms led by teachers who have a sense of our international experience as well leadership skills and discipline.

Called to duty

Many Clemson people have been called to duty over the past year. Some have given us photos to share with Clemson friends. You can find these photos and others online at alumni.clemson.edu/photos/military.htm.



'NEW SCHOOL' MEETS 'OLD SCHOOL'

Since Clemson began classes in 1893, the value of a solid military force has been a major part of its education. In fact, when the United States went to war with Germany in April 1917, the entire senior class enlisted.

You need only visit the Clemson Military Heritage Plaza to see the array of ribbons and honors, the footprints of brave service men and the inscriptions from a variety of alumni classes to get a glimpse of the University's tradition of military service.

During World War II, 6,475 Clemson men served and 384 died. Another 16 died during the Korean War. Hundreds more went on to serve in Vietnam, Desert Storm, other conflicts and defense against terrorism. A total of 456 Clemson alumni have given their lives in battle or in peacetime operations. Currently many are serving in Iraq, Afghanistan, Korea and other points around the globe.

Clemson military programs have changed over the course of history. The original Corps of Cadets gave way to the Reserve Officers' Training Corps. In addition to the long-running Army ROTC, the Air Force ROTC came to campus in the late 1940s. In the mid-1950s, ROTC was no longer mandatory for juniors and seniors. By the early 1970s, women were admitted to ROTC, and it was no longer mandatory for freshmen and sophomores.

And while general interest in Clemson's military programs fluctuated with the culture throughout the 20th century, the past five years have brought about a resurgence in student interest and dedication.

Today's Army ROTC is led by Lt. Col. William Hanson, and Air Force ROTC is led by Col. Ed De Iulio. They credit much of the recent success to the involvement of the tried and true "old soldiers" – the Clemson Corps made up of enthusiastic and untiring military alumni.

The group was formed in 1998 to help Clemson compete with other schools for the best ROTC candidates. At the time, other universities were offering scholarships and, in some cases, full tuition. The Clemson Corps set out to raise funds for Army and Air Force ROTC scholarships and to establish an endow-

ment to ensure continued support of Clemson's rich military history.

The commissioning rate has increased by nearly 100 percent, and the number of ROTC freshmen has doubled. The University's Army ROTC is ranked in the top 10 percent of programs nationwide, and Air Force ROTC is showing similar success as one of the top-20 largest of 145 units in the nation. Another matter of pride, Clemson's elite precision drill team the Pershing Rifles is No. 1 in the country.

The Clemson Corps support, with the hard work of the Army and Air Force ROTC cadre and the support of University administration, has resulted in national recognition and is producing outstanding leaders for the 21st century.

SCIENCE OF DEFENSE

Elsewhere on campus, Clemson researchers are playing an integral part in our nation's defense system. With more than a quarter of the University's research funded by the U.S. Department of Defense, Clemson researchers are developing products and techniques key to defense efforts.

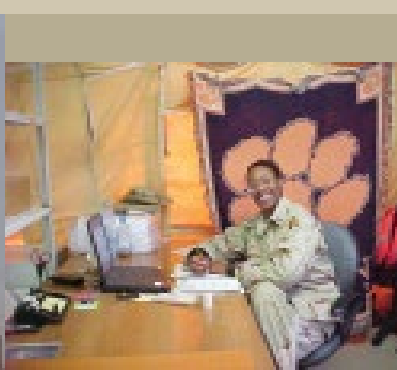
For example, Clemson Apparel Research may help keep soldiers safe in biological warfare. It has applied for patents and a trademark on its Duraseal seam, a heat-fused seam that keeps external toxins, moisture and cold from penetrating the seams of military uniforms, sleeping bags and other gear. The new seam could also find its way into consumer goods.

Clemson Apparel Research already supplies nonregulation-sized shirts for all branches of the military. Using its award-winning Web site, clients can type in their measurements in the morning and have the made-to-measure shirts shipped the next day. These shirts are made for military personnel not fitted with stock sizes.

Research contributions from Clemson faculty are already being used in military wireless communication systems and networks.

We provide some of the best leadership training in the nation. After graduation our newly commissioned lieutenants go on to serve their country in some of the most rewarding jobs in the world. We build confident, professional leaders to serve in the world's finest Air Force. Clemson Corps is a vital part of our success. Their support allowed Clemson's Air Force ROTC unit to become one of the top-20 largest ROTC units in the nation.

— Col. Ed De Iulio



Current work could pave the way for wireless networks that are self-contained, highly mobile and quickly deployable in areas that have no functioning communication infrastructure. One specialty of Clemson's research group is spread-spectrum communications that makes the signal more difficult to detect by an unauthorized receiver, reduces vulnerability to jamming and accommodates multiple signals in the same frequency band.

Working under a nearly \$10 million award from the U.S. Army Space and Missile Defense Command, a Clemson-led consortium is developing next-generation radar-surveillance "blimps." The structures, known as aerostats, are essentially long-term mobile airborne radar installations. Defense officials say they may be the military's best option for detecting incoming cruise missiles.

Researchers, led by Clemson Apparel Research, will find ways to make the aerostat's cloth "skin" – a combination of high-performance materials – lighter, more durable and less affected by environmental concerns such as ultraviolet light, weather and acid rain.

The Composite Manufacturing Technology Center, a joint venture between Clemson and the S.C. Research Authority, is conducting research funded by a five-year \$120 million contract from the U.S. Navy. The center is building an ultralight but strong floating dock. Its modular components lock together to create a loading area the size of a football field available when and where the Navy needs it.

Other projects in the works: Thermoelectrics could improve night-vision goggles. Chameleon fibers that change color on demand could be used on aircraft and tanks. An artificial "muscle" may lead to smaller and more agile spy drones. "Smart skin," layers of nanocomposites, may be able to scatter radar. Bandages with absorbable tissue adhesive "glue" could be applied by the soldier in the field.

FROM TROOPS TO TEACHERS

While researchers work on projects to help military in active duty,

Clemson's Eugene T. Moore School of Education is looking to tap into the veterans' expertise once their duty is complete and they're ready to transition back into civilian life.

South Carolina educators realize that military-trained men and women can become highly qualified, motivated, disciplined teachers to help fill the teacher shortage in critical subject areas. They can also bring international experience to the classroom. The state is building on a national program, Troops-to-Teachers, that points soldiers toward teaching careers after they leave the military.

Headquartered at Clemson, the state's program is coordinated by the S.C. T3 Coalition. The coalition – a collaboration of four S.C. universities, five state agencies, and IBM/Lotus – has developed the T3 Alternative Route to Teacher Certification, a state-approved program that prepares former troops for teacher certification.

The goal is to provide advisement, course work, training and field experience that will lead to certification and job placement. The plan also calls for support and follow-up to help military men and women ease into teaching.

The program is directed at commissioned and noncommissioned officers who already have a bachelor's degree and a minimum of 10 college courses in a subject taught at the middle or secondary school level.

Participants complete a series of Web-based teacher-preparation courses designed specifically for military personnel, obtain South Carolina teacher credentials and make an easy transition from military service to the world of public education.

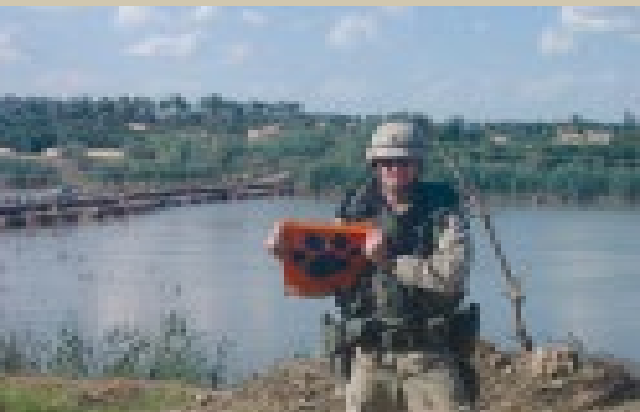
The program allows military personnel to jump-start their teaching career wherever they're stationed. By the time they leave military service, they'll be ready to step into the classroom.

For more information on Transition to Teaching, contact Nancy Cassity Dunlap, project leader, at (864) 656-6575. You can also email ttt3@clemson.edu or visit on the Web at www.hehd.clemson.edu/TTT. *



In keeping with President Barker's initiative to become a top-20 public university, the Clemson Army ROTC faculty refocused its goals to become a top-20 Army ROTC. It is ranked in the top 10 percent in the nation, a result of our commissioning 16 officers into the U.S. Army.

— Lt. Col. William Hanson



THE CLEMSON CORPS

In 1998, both the Army and Air Force ROTC programs at Clemson were in serious trouble. They were plagued by too few entering freshmen and low commissioning rates. The lack of scholarship funds left Clemson out in the cold when competing with other universities.

Then-President Deno Curris suggested that the ROTC cadre meet with a group of Clemson alumni to see what could be done. From those early meetings came the Clemson Corps.

The Clemson Corps is an alumni constituency group dedicated to continuing Clemson's military heritage and developing other opportunities to commemorate and perpetuate the military history of the University. It aims to support Clemson's Army and Air Force ROTC programs by funding annual scholarships and an endowment to ensure that Clemson's military heritage is continued.

One such commemoration is Military Appreciation Day held in Memorial Stadium each fall during a home football game. The Clemson Corps works closely with the athletic department, IPTAY, Tiger Band and other University groups to make the event a success. In addition to Clemson alumni and current students, approximately 1,000 junior ROTC cadets take part. The next Military Appreciation Day is scheduled for the Clemson-Duke football game Nov. 15, 2003.

Another major project of the Clemson Corps has been the compiling of the Scroll of Honor, a list of Clemson alumni who gave their lives in service to their country. The Scroll of Honor is on display at the Visitors Center and on the Web at www.clemson.edu/military/scrollofhonor.htm.

The Clemson Corps Scholarship program, the top priority of the

organization, has been highly successful in attracting new cadets to both the Army and Air Force ROTC. More than 80 students currently receive the Clemson Corps Scholarship.

Despite the scholarship's success, it relies on annual donations.

Corps leaders are therefore working hard to establish an endowment to ensure funds are available for scholarships well into the future.

To support the Clemson Corps through annual gifts or to find out more about the endowment, contact the Clemson Fund at (864) 656-5896 or go to www.clemson.edu/isupportcu on the Web.

The Clemson Corps is open to all Clemson alumni, friends and military service members, but is particularly geared to individuals with ROTC training and military veterans. It unites all branches of the military and welcomes men and women of all ages. It represents the past, present and future of Clemson's military programs.

For more information about the Clemson Corps, visit the Web at alumni.clemson.edu/clemsoncorps.htm or contact the following:

Col. Edward De Iulio, professor of aerospace studies, (864) 656-3254

Lt. Col. William Hanson, professor of military leadership, (864) 656-3107

Brig. Gen. Hap Carr, board chairman,

(704) 895-2458

Col. Sandy Edge, scholarship committee, (864) 656-3781

Maj. Dawson Luke, operations committee, (864) 654-3255

Cmdr. Bob Fant, operations committee, (864) 653-5223

Col. Danny Rhodes, Scroll of Honor and Military Appreciation Day, (864) 231-2086



Thanks
for all
you do!

BRAND-NEW SEASON

by Liz Newall

Photo by Dave Lewis

When you hear him explain what's critical for athletic success at Clemson, you just might think you're listening to one of our deans describing what's essential for academic success.

W. Terry Don Phillips, one year into directing Clemson athletics. He holds an Ed.D. from Virginia Tech, a law degree from the University of Arkansas and a whole lot of wisdom from the School of Life.

- "We must attract the best and brightest students and create an environment in which they have a positive, nurturing Clemson experience. They must have every opportunity for academic achievement and career preparation."
- "Our staff must be exceptional with the ability to communicate, teach and lead, as well as the constant desire to advance through research and application."
- "We must have the physical facilities that will not only support our current needs but that are planned with forethought to allow for growth and development."

And then he throws in something like: **"If you're standing still, you're backing up."** This is Terry Don Phillips, Clemson University athletic director, a combination of advanced education, athletic knowledge, business savvy and motion. Constant motion. As he says, "There's nothing worse than trying to maintain status quo."

Simply put: His goal for Clemson is to build the pre-eminent athletic program in the ACC.

That starts with what you have. "You ride the horse you're given," he says. "Clemson has a good athletic program, but we believe it can be great."

"Great" means championships, but it also means academic integrity, fiscal management, equity, compliance and sportsmanship. And to reach greatness, Phillips says, "You can't just wait for the glory times to roll in. You have to position yourself for them."

Part of that position is getting ahead in the physical facilities needed to create a winning, self-sustaining environment. Not just catching up. Although catching up with your competition is essential as with the recent updating of Clemson Memorial Stadium, the major renovation of Littlejohn Coliseum, the construction of the indoor track facility and the updating of Doug Kingsmore Stadium. An example of getting ahead is the new West End Zone project, called the WestZone Club. The development of club seating in Memorial Stadium adds a major enhancement to football facilities and provides an opportunity for the University to generate funds to pay for overall athletic facility improvements, particularly those that have taken place in the past year. And just as important, WestZone is designed to help provide future funds.

"It's about infrastructure," says Phillips, the former athletic director from Oklahoma State University (1994 to 2002), who oversaw a \$20 million campaign in private gifts, an increase in student-athlete retention, 13 conference championships and two national championships.

The Clemson Athletic Department, along with University administration, is fine-tuning a strategic plan that addresses both Clemson's current needs and what it will take to get back in the lead in the foreseeable future. At the same time, Phillips and his staff are working to provide each sport with the opportunity to move forward to the next level.

"Look at what Larry Penley has accomplished," says Phillips, referring to Clemson's 2003 NCAA National Championship Golf team. "Outstanding staff, outstanding student athletes, outstanding facility."

And if terms of "dynamic infrastructure" and "fiscal management" seem a little nebulous to the regular Clemson fan, especially on game day, Phillips' definition of "school spirit" isn't.

"It's a color," he says. "'Solid Orange.' It's hard to miss when everybody's wearing it.

"While we're working on infrastructure and strategy, we're working just as hard on school spirit because spirit is an integral part of infrastructure. When it really flows — as it can at Clemson — it's an amazing testament from every alumnus, student and supporter, and a tremendous boost to every Clemson effort," says Phillips. "Especially recruiting. Not only athletic recruiting, but academic as well. Spirit and pride are huge factors."

Combining the two is no stretch for Phillips, who taught a course on hotel law at Oklahoma State and hopes to co-teach a seminar on sports law at Clemson.

"It's a part of the whole package," says Phillips, "academics, athletics, pride in both. It's all 'One Clemson.'"

For the latest Clemson athletics news, schedules and other information, visit the Web at www.clemson.com. For more about the WestZone Club, go to www.clemson.edu/westzoneclub or call the Clemson Athletic Ticket Office at 1-800-CLEMSON. *



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Lifelong Connection

With Your Alumni Association

New alumni leader

The following is from Clemson's new Alumni Association president, 1979 biological sciences alumnus Eddie M. Robinson of Columbia, owner of Midlands Veterinary Practice. Robinson has served on Clemson's Board of Visitors, Alumni National Council, Black Alumni Council and the Columbia Clemson Club.

I vividly remember the excitement I felt in 1975 when I left home headed for my freshman year at Clemson. That same feeling of anticipation is upon me now as I begin my term as president of the Clemson Alumni Association. My appreciation for the University continues to grow as I realize what a unique experience Clemson has to offer: a quality education, lifelong friendships and wonderful memories.

This coming year will be challenging. Budget reductions have impacted everything we do and will for years to come. The Alumni Association, however, will find ways to enhance programs and services, and we will continue to support President Barker's Road Map for Academic Excellence. We will maintain valued programs for Clemson students and graduates. We will seek new and efficient ways to maintain your Clemson connections.

The University, the Alumni Association and the Clemson Fund need your help as never before. This can be in the form of contributions of MONEY to the Clemson Fund (even a \$10 gift activates your record and helps enhance the missions of this great institution) or TIME through involvement with Clemson activities in your area. I encourage you to contact the Alumni Association if you have comments or suggestions.

GO TIGERS!



Daughter days

More than 170 alumni and their daughters enjoyed the fifth annual Bring Your Daughter to Clemson weekend in May. Pictured from left are fathers and daughters Kin '78 and Caroline Hill and Rachel and Fred '78 Hanna. The celebration is held each year during the weekend following Mother's Day.

CAFLS Tailgate

The College of Agriculture, Forestry and Life Sciences' annual tailgate is Oct. 25, before the Clemson-UNC football game. The CAFLS Alumni Golf Tournament will be Friday, Oct. 24, at the Walker Course. Proceeds benefit the Thomas E. Skelton Scholarship Fund. Even if you aren't a golfer, you can contribute a door prize or sponsor a hole. Contact Sennah Honea at (864) 656-8998 or schonea@clemson.edu for more information about CAFLS events.



Alumni researcher

History professor Roger Grant, pictured with chief alumni officer Debbie DuBose, received the 2003 Clemson Alumni Award for Outstanding Achievement in Research. A nationally known expert in American railroad history, Grant is currently researching and writing a book on the Georgia & Florida Railroad.

Grant also recently received an honorary doctor of humane letters degree from Simpson College, his undergraduate alma mater, for his distinguished academic career.

HEHD Homecoming

Clemson's College of Health, Education and Human Development is holding its 2003 Homecoming event on Oct. 11, before the Tigers take on the Virginia Cavaliers. The event, for HEHD alumni, students and their families, will be from 10 a.m. to noon and will include fun, food and games. For more information, visit the Web at www.hehd.clemson.edu.



Alumni scholars

Robert Poole and Frank Jervey Scholarship recipients gathered for a dinner hosted by the Clemson Alumni Association last semester. The Alumni Association, its clubs and constituency groups support a variety of scholarship programs for deserving Clemson students. The Poole and Jervey scholarships are among the most prestigious given by the Alumni Association.

Game Day

Join the Alumni Association for Tiger football this fall – at home and away. Start each home game with a visit to the Alumni Center's Pregame Open House. At least two hours before kickoff, the center will provide light snacks, big screen TV, restrooms, fun freebies and a great pregame meeting place. For away-games, be sure to plan your trips with the Alumni Association. Call (864) 656-2345 for the latest information on official Clemson Away-Game Headquarters and information on Pregame Tailgate gatherings.

2003 Tiger Football Schedule

Aug. 30 - Georgia - IPTAY Day
 Sept. 6 - Furman - Hall of Fame
 Sept. 13 - Middle Tennessee - Youth Day/Fellowship of Christian Athletes
 Sept. 20 at Georgia Tech
 Sept. 27 Open Date
 Oct. 4 at Maryland
 Oct. 11 - Virginia - Homecoming
 Oct. 18 at N.C. State
 Oct. 25 - North Carolina - Parents Day
 Nov. 1 at Wake Forest
 Nov. 8 - Florida State
 Nov. 15 - Duke - Military Appreciation Day
 Nov. 22 at USC

CBAC honors

The Clemson Black Alumni Council honored some of its outstanding members during a spring gathering. Pictured from left are Neil Young Jr. '97 representing Jessie Hood '94, who was honored for her leadership of the Atlanta, Ga., CBAC chapter; Fred Gillens '96, recognized for his leadership of the Columbia CBAC chapter; Kellye Whitaker '90, CBAC Member of the Year; Tyrone Hill '94, outgoing CBAC president; and Ben Pickering '98 accepting the award for outstanding accomplishments of the Atlanta CBAC chapter. For more information about CBAC and its programs, contact the Alumni Center at (864) 656-2345.



Senior Platoon

Alumni from Clemson's historical Senior Platoon, the famous precision drill team, met on campus for a reunion in April. The original Senior Platoon gave performances nationwide and was known as the "Pride of Clemson." Its alumni went on to serve the United States with distinction in the military.



BTI calling

The Clemson Alumni Association along with IPTAY is offering a full-range of telecommunications services through the Business Telecom Inc. (BTI) Collegiate Affinity Program.

BTI is a top integrated communications provider of voice, data and Internet services to businesses in the Southeast. By using the services of BTI, alumni and friends have access to competitive rates for their businesses and they support Clemson scholarships at the same time.

For details, visit the Web at www.bti.com/collegiate_affinity.asp or call the Alumni Center at (864) 656-2345.

Ye Ole Canterbury

Clemson alumni visited Leeds Castle in Kent County, UK, during the spring PASSPORT Travel trip – Village Life in Canterbury. Plans for the upcoming travel year include Austria, Holland and Belgium Waterways, U.S. National Parks and other destinations. For more on PASSPORT Travel adventures, call the Alumni Center at (864) 656-2345.



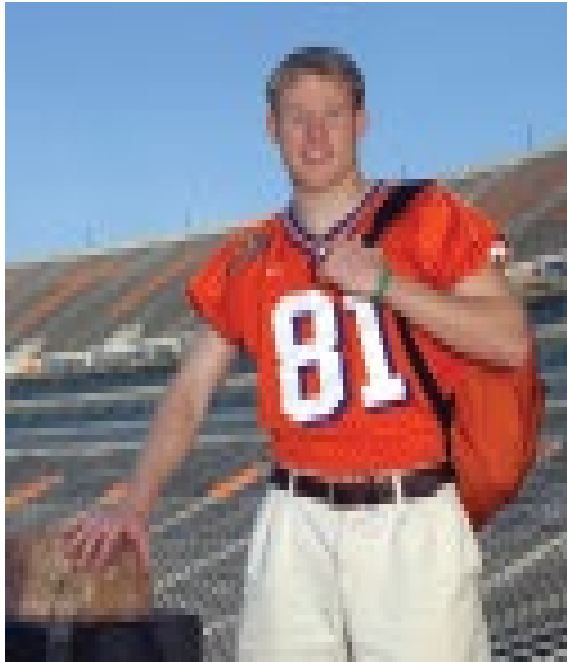
Student Life

Student prez

New student body president Fletcher Anderson pulls double duty at Clemson. In addition to representing all undergraduates, he's a place kicker on the Tiger football team. And along with majoring in speech and communication studies, he majors in political science too.

He's also on the Student Affairs Advisory Committee and S.C. Student Legislature and is involved with Athletes in Action, IPTAY Collegiate Club and Fellowship of Christian Athletes.

Clemson runs deep in his family – starting with his grandfathers, the late Joseph F. Anderson '39 and Joseph Benjamin Herlong '40, and continuing with his father, Joseph F. Jr. '72, uncles Ben '73, Gregory '77 and Jeffrey '80 Anderson, his sister Ashley '03, along with cousins and other relatives.



Grad leaders

City and regional planning major Mason Ailstock, pictured right, is Clemson's new graduate student body president, and professional communication major Sam Parsons, left, is vice president.

Ailstock, a 2002 design graduate, is a member of Blue Key, Clemson's Student Advisory Board, the National Dean's List Association and Phi Kappa Theta international honor society. Parsons, a 2002 management graduate, has served as Clemson-Carolina blood drive chairman for Alpha Phi Omega service fraternity and as a resident assistant for campus housing. He was also a charter member of Clemson's Campus Lion's Club.



Clemson's graduate student government is working to establish a closer link between graduate students and Clemson's Michelin® Career Center, organizing a training session for teaching assistants at the beginning of each semester, increasing lobbying efforts in the S.C. Legislature to prevent further budget cuts to higher education and establishing a mentor program for international students to ease their transition to living in the United States.

Student vp

Clemson's new student body vice president is biosystems engineering major Anna Kellahan of Kingstree. She's served on student government's Student Senate Housing Committee, the Council on Undergraduate Studies and the Committee for Excellence in Teaching Award.

A member of Blue Key international honor society, Mortar Board and IPTAY Collegiate Club, she's also held leadership positions in Delta Delta Delta sorority, Student Alumni Council (SAC) and Rho Lambda honor service fraternity.

Currently, she's the 2003 Welcome Back Festival co-chair for SAC and the 2004 Miss Clemson Pageant co-chair for Mortar Board.



Scuba Clemson

Clemson Scuba Club members headed to Florida during spring break to explore the underwater view off Key Largo. Marketing major Jeff West (left) and PR/TEM major Kristin Claude (right) show their Clemson colors about 20 feet down with the Christ of the Abyss statue in the background.



Students' choice

Clemson students chose sign-language professor W. Alton Brant as the 2003 Alumni Master Teacher. Brant teaches four courses in American Sign Language and one course in deaf studies. He has been a guest lecturer in the Czech Republic, Palestine and Russia. Brant established the University's ASL Club, an organization for students to interact with the Upstate deaf community.

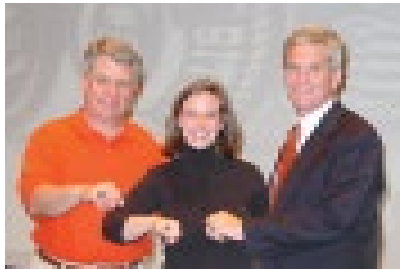


The Clemson Student Alumni Council (SAC) selects each year's recipient from student nominations. The Alumni Master Teacher receives a \$2,500 stipend made possible by the Clemson Alumni Association.

Pictured from left are SAC member Rebecca Wright, co-chair for the award; Jan Schach, dean of the College of Architecture, Arts and Humanities; Virginia and Alton Brant; Constancio Nakuma, languages department chair; and SAC co-chair Matt Bullwinkel.

Classy ring

Alumnus Jere Ross '74 was on hand to see his daughter Mary Frances, a biological sciences senior, receive her Clemson ring from President Barker last semester.



When Clemson students slip on their new class rings, they can share the experience with family and University leaders during the Clemson Ring Ceremony. Participants and their guests learn about the history and symbols of the

ring, and President Barker personally presents each with his or her new Clemson ring.

Sponsored by the Student Alumni Association, the ceremony takes place at the beginning of each semester. For more information, call the Alumni Center at (864) 656-2345.

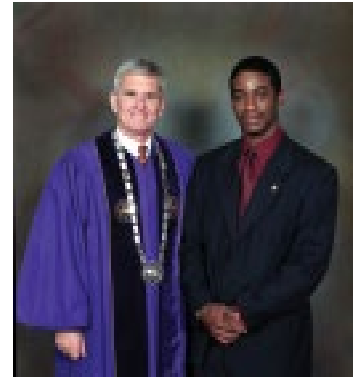
A good deal

Help the community; get money for school. That's the deal with the Clemson Community Service Grant, need-based grants awarded by Clemson's financial aid office. Last year, Clemson allocated \$750,000 for 635 students in exchange for their completing community service — 10 hours per semester for freshmen, 20 hours per semester for upperclassmen.

Students can complete service on campus, with student organizations, with agencies or even in their hometowns. They're automatically considered when they submit the Free Application for Federal Student Aid. Those who qualify are offered the grant. For more information, contact Jennifer Shurley, community service program coordinator, at (864) 656-7625 or jshurle@clemson.edu.

Banner day

Electrical engineering senior Ricky Bussey of Edgefield, pictured here with President Barker, delivered the invocation during the University's morning graduation ceremony in May.



Bussey was chosen for the invocation because of his outstanding academic and service record at Clemson. In addition to being a mentor in the University's Programs for Educational Enrichment and Retention, he's a member of Kappa Alpha Psi Fraternity, the Minority Student Leaders group and Student Government's Minority Council. He's also president of the University's NAACP student chapter.



Maymester in Yellowstone

Clemson students gather for their last night in Yellowstone National Park during their Rocky Mountain field ecology course in May. Biological sciences professors Michael Childress and David Tonkyn have taught this hands-on field research course during Clemson's Maymester term for the past two years. Pictured are, front row from left, Seth Cook, Lori Simmons, Tonkyn, Cheryl Mazell and Derek Miles. Back row: Tildon Jones, Mike Spacil, Somerset Gagne, James Gambrell, Stephen Cross and Billy Stogner. (Professor Childress is behind a camera for this shot.)

That's a picnic!

Nearly 800 Clemson seniors ate their way across Bowman Field during Senior Picnic in April. The huge picnic, sponsored by the Student Alumni Council, honors the current senior class each spring.



Classmates

Edwards Amphitheater

Robert C. Edwards '33, HD '80

The new Clemson Elementary School is a prime example of collaboration between the Clemson community and the University. And the facility's innovative outdoor learning areas are models for public education throughout the state and beyond.



Then it was no surprise, except perhaps to Clemson President Emeritus R.C. Edwards himself, that the school's main outdoor gathering area should be named in his honor, symbolizing his involvement in community and University.

Pictured from left are Clemson Elementary School Principal Paul Prichard, University President Jim Barker, Edwards and Clemson Mayor

Larry Abernathy.

In addition to his well-known service at the University, Edwards was instrumental in the development of the new Clemson Elementary School. It sits on land once owned by him; he served on the building task force; and he made a generous donation to help build its playgrounds.

'89 ARCH), an architect with McMillan Smith & Partners in Greenville, have created a program called Kids in Architecture to involve architects and architecture students with public school students.

They recently presented it at the American Institute of Architects Grassroots conference workshop "Best Practices in Public Relations: Promoting the Importance of the Profession." The collaborative effort of AIA Greenville, Northgate Baptist Church and the University teamed up with fifth grade students at Summit Drive Elementary School to put together workbooks on how architects design buildings. Eight Clemson graduate students assisted the fifth graders.

1968

Judson Riley Hightower (M CHE) of Oak Ridge, Tenn., retired from the Department of Energy after 33 years as an intellectual property attorney with the federal government and is now an associate general counsel working for UT-Batelle LLC at the Oak Ridge National Laboratory.

1969

Rob L. Griffin III (POSC) of Dallas, Texas, has changed jobs after 28 years with Lincoln Re and Swiss Re to join Guy Carpenter and Co. Inc. as senior vice president of sales and marketing for Life and

1942

Archie E. Zeigler (TE) of Columbia has written a book about his military experience in World War II to be published by Dorrance Publishing Co. Inc.

law firm of Nelson Mullins Riley & Scarborough LLP in their Charleston office. He's practicing in the area of complex litigation.

1967

Lynn G. Craig (ARCH), an architecture professor at Clemson, and **H. Clay Gandy** ('87 DESIGN, M

1949

C. Henry Lathan (VOCAGED) of Hudson, N.C., was named Man of the Year in Hudson and honored by having a street named for him. He's retired from the Hudson Public Schools after 30 years.

1955

Fletcher C. Derrick Jr. (PREMED), a urologist and Clemson trustee emeritus from Charleston, received a distinguished alumnus award from the College of Medicine at the Medical University of South Carolina.

1964

Walter T. Cox III (INDMGT) of Punta Gorda, Fla., has joined the

From the rubble

J. Fletcher Smoak '58, M '64

Ceramic engineer Fletcher Smoak of Roanoke, Va., knew he wanted to do something in memory of those who died on 9/11. The Army veteran also wanted to honor the American spirit that survived. He decided to build a memorial made with two beams from the World Trade Center.

As chairman and CEO of Old Virginia Brick in Salem, Smoak was well experienced in building. Still, handling the two beams of 14,000 pounds was a challenging feat that encompassed months. Now, the work of what Smoak calls his "very patriotic company" stands tall in Salem.

The main body of the tower reaches 36 feet into the sky with the two 14-inch square beams set on a concrete base. It has another 20 feet of flagpole extending above the beams. A gold eagle with a 3-foot wingspan "flies" atop the flagpole. A circular brick wall and a V-shaped walkway surround the

base.

The American flag is lit from dusk to dawn, seven days a week, and a bronze plaque pays homage to the victims of 9/11 with Psalms 91.

Approximately 700 people attended the memorial's dedication in April, including Capt.

Richard Rotanz of the NYC Fire Department, who was among the first responders to the World Trade Center.



Education advocate



Terry E. Richardson Jr. '67, M '67

Alumnus Terry Richardson, a law partner of Richardson, Patrick, Westbrook & Brickman in Barnwell and Charleston, is an action-packed advocate of education. As a result, he was recognized earlier this year for his contributions to the advancement of dropout prevention initiatives in South Carolina.

Former S.C. Governor and U.S. Secretary of Education Richard W. Riley and his wife, Tunky, presented the first Governor and Mrs. Richard W. Riley

Award for Excellence in Dropout Prevention to Richardson at the At-Risk Youth National Forum in Myrtle Beach in February.

Richardson, pictured center with the Rileys, serves on the S.C. board of trustees for the First Steps Program and on the statewide advisory board for Success by Six. He's also been on the statewide board for the Alliance for South Carolina's Children, a member of the Barnwell School District's board of trustees and on the board of directors for the S.C. Institute on Poverty and Deprivation.

Richardson has served on the Community Youth Council for Bamberg, Barnwell and Aiken counties regarding the Juvenile Justice Task Force and is a founding member of the board of directors of Charleston Education Network. He's also served on the foundation board for the Governor's School for Science and Math. And he recently received the S.C. Bar Association's Compleat Lawyer Award for both legal and public service.

Annuity Practice.

1970

William M. Reese (AG ECON) of Columbia is director of risk management for the Babcock Center Inc.

1971

Ian R. Hardin (PhD CHEM) of Athens, Ga., was appointed guest professor of Donghua University in Shanghai, China. He's head of the

Department of Textiles, Merchandising and Interiors in the College of Family and Consumer Sciences at the University of Georgia.

1972

J. Edward Norris III (ADMMGT) of Pawleys Island is chairman of the board of directors of the Federal Home Loan Bank of Atlanta.

1973

C. Tony Young (ADMMGT) is married and living in Goose Creek. After years in management, he changed careers to become an artist. You can visit him on the Web at www.tyoungartist.com.

1974

Richard A. Familia (ZOOL, M '75 ESE) of North Charleston is president of Giant Resource Recovery Co. Inc. in Summer-ville. He presented "Industrial Waste Utilization in Cement Kilns in the U.S." at the Colloquia of Managers

and Technicians of Cement Plants in Seville, Spain.

1976

C. Jim Bost (INED) of Edisto Island operates a sport-fishing charter service.

James E. Corley Jr. (INED) of Lexington is a sales consultant for Love Chevrolet Olds Hummer in Columbia.

H. Eric Seymore (SED) of Easley is proud to have a family tradition continued. His son, **W. Eric Seymore ('02 AG ECON)**, graduated from U.S. Army basic training in Fort Sill, Okla., and is attending officer candidate school to be followed by flight school at Fort Rucker, Ala. He will train to fly Apache helicopters. Eric (the father), a chief warrant officer, has flown helicopters for the U.S. Army and the S.C. National Guard for over 32 years.

1977

Keith T. Gockenbach (CHE) of Kingsport, Tenn., is vice president of global developing businesses for Eastman Chemical Company.

John H. Tabor (PREARCH, M '79 ARCH) of Charlotte, N.C., has joined the architecture firm of Perkins & Will, where he is leading

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Top AIA architect

Thompson E. Penney '72, M '74



Architect Thom Penney, FAIA, president and CEO of the Charleston-based firm LS3P Associates Ltd., has taken office as president of the American Institute of Architects (AIA). The professional organization includes nearly 70,000 members nationwide.

Penney first became an AIA member as a student at Clemson, where he earned bachelor's and master's degrees in architecture. In 1990, he was named to the College of Fellows, and over the years he has received numerous state, regional and national awards for design excellence. Throughout his career, he has served in leadership positions in the national organization including president of the local, state and regional chapters.

Under Penney's leadership, LS3P has become one of the fastest rising firms in the top-500 design firms in the United States as recognized by ENR magazine.

Penney believes that design is one of the most visible signs of our core values as individuals and as a society and that providing the world with proof about the real-life effects that a building has on its inhabitants would create a new perception of architecture and design. Or as he says, "We could design education into our schools, curing into our hospitals and dignity into low-income housing."

At Clemson, he's served two terms as president of the Clemson Advancement Foundation for Design + Building, and in 1999, he received the University's Distinguished Service Award.

'Where everyone's a regular'

William H. Burton III '77

Administrative management graduate Bill Burton of Spartanburg has been named 2003 Restaurateur of the Year by the Hospitality Association of South Carolina. He's the owner and CEO of Cafe Enterprises Inc., which includes 18 Fatz Cafe locations and two J. Jr's Filling Station and Grill locations in the Carolinas.

After graduating from Clemson, Burton worked his way up in Spartan Food Systems and TW Services to head the Quincy's Family Steakhouse chain. He purchased half of Cafe Enterprises a decade ago and acquired the balance several years later.

With a focus on customer service, a comfortable atmosphere and generous-sized servings, Burton has expanded the company's restaurants from four to 20 locations and more than 1,300 associates.

In addition to the restaurant business, Burton serves on the board of directors of MountainBank in Hendersonville, N.C.; EarthFare, a growing chain of natural foods supermarkets based in Asheville; and the Clemson University Tiger Lettermen's Association.



efforts in marketing and business development.

1978

James Mark Anderson (RPA, M '88 PUBADM) of Lawrenceville, Ga., is network planner for the Atlanta Network in the Department of Veterans Affairs.

Robert A. Yannazzo (DESIGN) of Metuchen, N.J., is president-elect of AIA Newark and Suburban Architects AIANJ board of trustees.

1979

Frank A. DeVita (EE) of Simpsonville was named Engineer of the Year for the Piedmont chapter of the S.C. Society of Professional Engineers. He's president and CEO of DeVita & Associates Inc. in Greenville.

Wendell B. Stidham (BLDSC) of Spartanburg is a member of Lockwood Greene's executive leadership team. He's vice president and CFO overseeing the company's corporate services and development group.

1980

Jon Mark Daniels (M RPA) of Salina, Kan., was named 2002 Athletic Director of the Year in region four of the National Association of Intercollegiate Athletics. He's associate professor of recreation,

athletic director and head coach of the nationally ranked golf team at Bethany College. His golf teams have won eight consecutive KCAC Championships.

Ronald C. Lindsay (CHE) of Johnson City, Tenn., is vice president and general manager for intermediates at Eastman Chemical Co., Performance Chemicals and Intermediates.

Keith H. Lyerly (INDMGT) formerly of Fletcher, N.C., is living in San Andres Cholula in Puebla, Mexico, and working for Coats NA-Hilos Timon, S.A. de C.V. in Tlaxcala.

Keith A. Taylor (MATH), a dentist in Chapel Hill, N.C., was awarded the President's Award from AirLife-Line, a group that flies patients at no cost to distant medical centers. He serves as a volunteer pilot and coordinator of ground transportation. He also flies with Young Eagles, a group that gives children free airplane rides. Taylor serves on the board of directors of the William Paul Fearington Foundation, an organization devoted to working with at-risk children.

1981

David E. (FINMGT) and **Karen Royster ('82 ARCH)** Dukes are living in Columbia. He's managing partner of Nelson Mullins Riley & Scarborough law firm and second

vice president of the Defense Research Institute, a national professional organization of lawyers who defend companies and individuals in civil litigation.

1982

Ron D. (CP ENGR) and **Heidi Hamer ('85 CHE)** Fulbright are living in State College, Pa. He's on the faculty at Penn State University, and she's the multimedia production manager for Penn State Public Broadcasting, WPSX-TV/WPSU-FM.

1983

Susie C. Adams (ADMMGT) of Charlotte, N.C., is vice president of public affairs for Duke Power.

Thomas H. Bast (M ARCH) of Roseville, Calif., is a principal, specializing in health-care design, with the architecture, engineering and planning firm of HGA in Sacramento.

Melissa P. Fritz (ADMMGT) of Columbia is senior vice president and manager of BB&T's private financial services office in Columbia.

1984

Margaret McNeill Ackerman (ELED, M '85 READING) ofacula, Ga., is an assistant principal in Gwinnett County Public Schools.

Michael A. Albanese (ECON) of Fort Drum, N.Y., is a lieutenant in the U.S. Army. He commands the 2-15 Field Artillery Battalion, 10th Mountain Division.

William J. Kilpatrick (ME) of Mount Pleasant is head of the Gulf Fleet Branch, structural/fleet division in the capital improvements business line at Southern Division, Naval Facilities Engineering Command in Charleston.

1986

Sunil K. Gupta (BIOENG) of Simi Valley, Calif., is an independent consultant and programmer using SAS software. He has conducted

Classic equestrian

Gilbert E. "Bob" Bell '78

Political science graduate Bob Bell of Charleston has been named manager of shows for the prestigious National Horse Show Association.

He will manage the new Metropolitan National Horse Show in New York City and the 120th National Horse Show (indoor championships) in Las Vegas, Nev., both scheduled for the fall.

Bell's Classic Company is among America's premier equestrian

competition management organizations. The company has organized the Gulf Coast Winter Series, the Atlanta Series and the Biltmore event at the Vanderbilt estate in Asheville, N.C. Bell also served 14 years in management capacities at the Washington International Horse Show.



numerous SAS paper presentations and workshops and has published a book on SAS's new output delivery system — Quick Results with the Output Delivery System.

Grant Zerbe (MGT) of Cohutta, Ga., is plant manager for SRI Sports artificial turf systems finishing plant and urethane track plant.

1987

Keith A. Luedeman (MATH) of Charlotte, N.C., is co-owner of goodmortgage.com, an Internet mortgage bank. His company has distinguished itself through giving back to the community. It donated computers to the Susan G. Koman Breast Cancer Foundation and sponsored the Cystic Fibrosis Guys and Dolls Bachelor and Bachelorette Auction.

1988

Richard T. Bynum Jr. (M ARCH) of Greer is the author of the feature article "Antoine and the Kids," published in the 2002 Architecture South Carolina magazine.

Randy E. Fisher (ACCT) of Liberty is an attorney with Thomas & Fisher PA in Greenville where he's a certified specialist in taxation law and estate planning and probate law by the S.C. Supreme Court.

1989

Julie A. Eldridge (DESIGN, M '91 ARCH) of Landrum is a project manager with Allora LLC in Greenville.

David B. Lambert (CE, M '91) of Malibu, Calif., is a real estate attorney at the Los Angeles office of Paul Hastings Janofsky & Walker LLP.

Jason G. Pike (AGED, M '90) of Inman is a major in the U.S. Army. He's commander of the 5th Medical Detachment in South Korea consisting of 17 soldiers and two civilian entomologists.

Tim F. Williams (CHE) of Spartanburg, a registered patent attorney, has joined Dority & Manning, an intellectual property law firm in Greenville.

Stacy L. Yike (ME) of Columbus, N.C., is a major in the U.S. Air Force. She's serving as country desk officer for the Joint Staff at the Pentagon. Her responsibilities include providing military advice to the chairman of the Joint Chiefs of Staff for Portugal, Spain, Italy, Malta and the Holy See. She's an award-winning member of the U.S. Pony Club.

1990

Mary Lewis Bowen (NURS) of Green Pond received a master's degree in nursing from the University of South Carolina and is working as a nurse practitioner.

David W. (DYSC) and **Michele Timmerman** ('91 SCT-MA) **Go-forth** are living in Edgefield. He's a district manager for JohnsonDiversey NA Food Group, and she's a

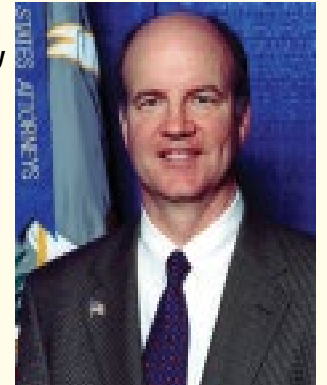
Presidential nomination

Robert J. Conrad '80

Clemson history graduate and former student athlete Robert Conrad has been nominated by President George W. Bush to be U.S. District Judge for the Western District of North Carolina. The Senate Committee on the Judiciary and the full Senate must approve his nomination.

Conrad is currently the U.S. attorney for the Western District of North Carolina. He has received awards and commendations from the FBI, the Secret Service, the ATF and the U.S. Postal Inspection Service.

At Clemson, Conrad was an Academic All-American in basketball and a Rhodes Scholarship candidate.



math teacher at Strom Thurmond High School.

Evelyn Nalley McCollum (HIST) of Easley has published the family history Nalley, a Southern Family Story.

Christina Kindelán Valdés (L&IT) is married and living in Coral Gables, Fla. She's a financial adviser with Merrill Lynch.

1991

John H. Diaz (FINMGT) of Durham, N.C., received a master's degree in business administration

from the Fuqua School of Business at Duke University.

Tina Melton McCaskill (L&IT) is married and living in West Columbia.

Jim W.G. Nolte (FINMGT) of Summerville is an investment representative with Edward Jones in Walterboro.

Christopher M. Peters (FINMGT, M '93 BUSADM) of Atlanta, Ga., is a sales executive for the Cerner Corp., a health-care information technology company.

1992

Gail Gambill Heussner (MGT, M '94 BUSADM) is married and living in Canton, Mich. She's a manager of business systems development at the North American automotive headquarters of the Robert Bosch Corp.

Domenic Livoli (M CSMGT) of Upton, Mass., is chief estimator at Bostonian Masonry Corp. in East Walpole and a private consultant to the masonry industry.

Alecia Stafford Owens (INDE) is married and living in Roswell, Ga. She's a volunteer at North Point Community Church and founder of the Have a Sweet Day charity.

Carla Hutchins Stubb (NURS) of

HR for ABC

Tami E. Corbin '81

Psychology graduate Tami Corbin of Pasadena, Calif., is the new vice president of human resources for ABC Inc.

In this position, she's responsible for implementing and supervising a new business partner model for the delivery of HR services and strategic support to the broad range of ABC businesses. She will continue to lead the human resources team for the ABC Cable Networks Group.

Corbin previously served as director of human resources for ABC Cable Networks Group. She oversaw employee relations, training and development, and recruitment for The Walt Disney Company's three nonsports cable networks: Disney Channel, Toon Disney and SOAPnet. She also provided executive coaching, leadership development and strategic organizational design support for the group.



Prior to joining ABC Cable Networks Group in 1997, Corbin worked for ABC's parent, The Walt Disney Company, as director of employee relations and training for Disney Consumer Products.

Asheville, N.C., received a master's degree and family nurse practitioner certificate from Western Carolina University. She's working in a cardiology practice.

1993

Allissa Savage (ENGL) and C.M. "Chip" East (MKTG) are married and living in New York City. He's a photojournalist for Reuters News Service, Time and Newsweek.

Christopher W. Hepler (GEOL) and Larissa A. Heimlich (PRTM) are married and living in Clemson. She's a second grade teacher at West Pelzer Elementary School.

Raymond P. McDowell (MGT) and Pamela Hartog ('94 MGT) are married and living in Louisville, Ky. He's a legal analyst for Brown and Williamson Tobacco.

Holly Deitz (HIST) and Jay Woodrow (ME) Nordling are living in New York City where Jay is a technical sales engineer for G.E. Betz.

Susan Shattuck Snurr (ENGL) is married and living in Columbia. She's an on-site coordinator for Kelly Services.

1994

Ashley Jacobs Bloom (ENGL) is married and living in Columbia. She's assistant to the county administrator of Richmond County.

Jennifer Dunn Cooley (M CNLGUID) of Columbus, Ga., is a second-year law student at Jones School of Law in Montgomery, Ala.

Heather L. Langendorfes (MKTG) of Mountain View, Calif., received a master's degree in business administration from Santa Clara University and is working on her next big challenge to compete in Ironman Canada 2003.

1995

John Eric Fulda (CE) of Columbia has opened his own law practice, John Fulda P.A., in West Columbia.

Karen Jolley (ELED) and Mark A. ('98 FORMGT) Gregory are living in Roebuck. He's president of a full service landscape contracting and consulting arborist company, Guardian Professional Horticultur-

al Services Inc.

Edie Webb Oakley (NURS) of Dunwoody, Ga., received a master's degree in counseling at Southeastern Theological Seminary in Wake Forest, N.C.

Harry Mendel Reed III (ECON) of Lexington is DHEC district food protection supervisor for Orangeburg, Bamberg and Calhoun counties.

1996

Anthony Paul Botta (DESIGN, M '98 ARCH) of Brooklyn, N.Y., is with Cooper Carry's New York/Manhattan/Chelsea office.

Eric D. Goodwin (CSMGT) is married and living in Easley. He's project manager with Durham-Green Inc.

1997

William G. Jr. (DESIGN) and Dixie Crater ('99 NURS) Bullock are living in Folly Beach. He's pursuing a master's degree in architecture at the Charleston Architecture Center and working part time at McMillan Smith.

On call

Melora J. Trotter '96

Melora Trotter believes in staying busy. At Clemson, she managed a double major in biological sciences and Spanish, was a member of the crew team and coached novices her senior year.

She earned her medical degree in 2001 at the University of S.C. School of Medicine and began a residency in emergency medicine at Allegheny General Hospital in Pittsburgh, Pa. She's been named chief resident for the last year of her work there.

Trotter also found time to go on a medical mission trip to Nicaragua earlier this year. She and 11 other American doctors treated 1,100 patients in one week. She's pictured here with some of her mission patients.



Kristin Collins Moomey (ARCH) is married and living in St. Louis, Mo. She's working as an architect and teaching architectural graphics at a local college.

R. Grier Sandifer Jr. (AG ECON) of Sharon is vice president and banking center sales manager for Provident Community Bank in York County.

Jason T. Williams (CSMGT) of Alpharetta, Ga., is a construction project manager for Georgia State Financing and Investment Commission.

1998

Michael W. Caccia (INDE) of Greenville received a master's degree in industrial engineering from Rensselaer Polytechnic Institute in New York. He's an advanced manufacturing engineer at GE Gas Turbine.

Meredith Warren Godbold (PSYCH) is married and living in Mount Pleasant. She's a speech-language pathologist with Health-South Rehabilitation Hospital in Charleston.

Joshua R. Rodgers (FINMGT) is married and living in Greenwood. He's a pilot with Atlantic Coast Airlines, United Express carriers.

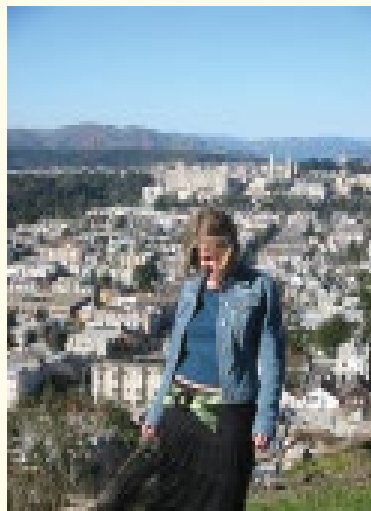
1999

R. Matt Dunbar (CHE) of Rock Hill, formerly a chemical engineer with Eastman Chemical Co., is attending graduate school at

Accessorized

Sarah B. Snyder '98

Graphic communications graduate Sarah Snyder of San Francisco, Calif., has found her designer groove creating high-fashion belts. She began her business last year by selling her designer belts to a nearby boutique. She soon expanded to other boutiques and became a featured artist in the local fashion community. From there she was contacted by the California Academy of Sciences to produce custom belts for one of its natural history museum exhibits. Her belts are now in five boutiques in San Francisco and three in Los Angeles. Her goal is to have her designs in the Manhattan, Brooklyn and Chicago areas later this year. She markets her custom-designed belts under the name Maxsui.



Stanford University in Palo Alto, Calif.

Kimberly Lynn Penninger (MGT) of Anderson received a master's degree in management from Southern Wesleyan University and was promoted to assistant vice president at Carolina First Bank. She's branch manager at the Anderson main branch.

Margaret A. Riley (MKTG) of Farmville, Va., received a juris doctor degree from California Western School of Law in San Diego.

2000

Allen Aldon Buie (ARCH) of Spartanburg is an architectural designer with McMillan Smith & Partners Architects, PLLC.

Rob M. Calhoun (MKTG) of Cheraw received a master's degree in health administration from the Medical University of South Carolina and is serving his administrative residency at New Hanover Regional Medical Center in Wilmington, N.C.

Frank G. Miller (CE) of Pauline is an engineering intern with Cole-

Jenest & Stone P.A. in Charlotte, N.C.

Joni Shenefield Skogman (PRTM) is married and living in Cleveland, Ga. She's program director at the YWCO Camp in Clarkesville.

E. Harwood Weatherly Jr. (AG ECON) and **Katie V. Tomlinson ('02 PSYCH)** are married and living in Clemson. He's a property appraiser for Landreth Appraisers in Seneca, and she's an early intervention specialist at the Greenville Hospital System's Wonder Center for medically fragile children.

2002

Paul Joseph Daigle (POSC) of Enterprise, Ala., is serving in the U.S. Army flying the TH-67 Creek helicopter for Army Flight School in Fort Rucker.

Kathleen Ann Edwards (CRD) of Lakeland, Fla., works for Florida Citrus Mutual and is director of the Florida Citrus Industry Grassroots Network.

John B. Ford (SED) of Clemson is teaching Spanish and coaching in Anderson.

Miss Boston

Allyson K. Reaves '02

Language and international trade graduate Allyson Reaves is living and working in Brighton, Mass., a long way from her native Hilton Head. But she's already made a name for herself — Miss Boston 2003.

For those who knew her at Clemson, the title is no surprise. As a student, Reaves won the Miss Black and Gold Pageant held by the Clemson University chapter of Alpha Phi Alpha Fraternity Inc.

Next she won the S.C. District and South Region pageants. Last summer she won first runner-up at the National Pageant held by the fraternity in Las Vegas.

Reaves is also a graduate student in the art administration program at Boston University and works full time at Urban Underwriters Inc., an insurance brokerage firm. This summer, she'll compete for the title of Miss Massachusetts, a state representative of the Miss America Pageant System.

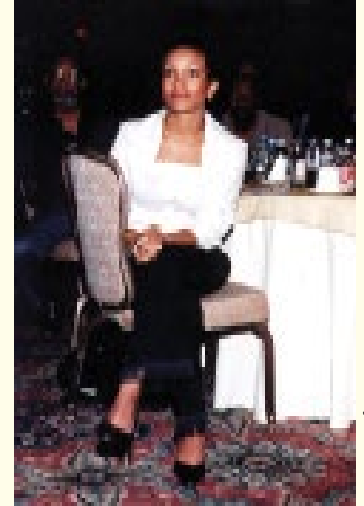


Photo by Jeff Lewis

With the senator

These four Clemson alumni work with U.S. Senator Lindsey Graham in his Greenville Senate office: from left, administrative management graduate M. Jane Goolsby '85, state director; political science graduate Kevin Bishop '93, communications director; Senator Graham; political science and history graduate Edward Mercer '02, state scheduler; and political science graduate Ashley Wilson '02, constituent services representative.



Christopher S. Hawley (MKTG) and **Melissa Long (MKTG)** are married and living in Myrtle Beach.

Erin Golden (ELED) and **Matthew T. Smith (HORT TG)** are married and living in Augusta, Ga. He's the assistant superintendent at Augusta Country Club.

Cynthia Lee Tallent (BIOSC) of James Island is attending the Medical University of South Carolina.



We love to get your photos, and we use them in the magazine or in the Alumni Web site photo album when possible. With electronic photos, we need to be able to reproduce images at a resolution of at least 300 dpi. With regular photos, sharply focused, glossy prints work best. Although we try to return prints when specifically asked, we can't guarantee return so be sure to hang on to the negative or have extra prints made.

Family tradition

Laura C. '03 and Lawrence A. '73 Dunn

Graduating from Clemson is a 30-year tradition for the Dunn family. But keeping that tradition going this year was especially difficult for political science major Laura Dunn. It was also very rewarding.

Three generations of the Dunn family have graduated 30 years apart — almost to the day. Charles W. Dunn of Ambridge, Pa., graduated in May 1943. His son Lawrence A. “Larry,” now of Lexington, Ky.,



graduated in May 1973. Larry's daughter, Laura C. Dunn, graduated May 2003.

During the first semester of her sophomore year, Laura was in a serious automobile accident. With the help of the University's disability office and much determination on her own, Laura returned to Clemson in a wheelchair for the second semester of the school year.

After five months, she was out of the wheelchair, but she was behind in her goal of graduating in four years. In order to continue the family tradition, however, she attended

summer classes to make up for lost time.

Pictured here at Commencement with her father, Larry, Laura not only kept the tradition alive, but graduated with honors. She now plans to pursue a master's degree in journalism at the University of Florida.

Tigers at UGA

These Clemson alumni received doctor of veterinary medicine degrees at the University of Georgia in May. From left, Adam C. Eichel-berger '99 of Ninety Six, David Hardy '99 of Laurens, Bryan Torres '99 of Clemson, Kevin Allison '99 of Hartsville, and Angela Ehinger '99, Brock Sauls '97 and Cara Hutmaker '00, all of Charleston.





Little Tigers

Julie Banks Manning '82, a son, Wesley Dillon, Aug. 26, 2002.

Lawrence W. '82 and Susan Penney '83 Young, a son, Eric Charles, Dec. 17, 2002.

D. Scott Beard '83, a daughter, Audrey Layne, Feb. 15, 2003.

Glenn E. '84 and Susan Gasque '86 Batson, a daughter, Kathryn Ann, Jan. 24, 2003.

Lisa Jones Quattlebaum '84, a son, Samuel Dalton, Jan. 30, 2003.

Jenni Tindal '85 and Jody '87 Bryson, a son, Benjamin Tindal, June 18, 2002.

J. Randall Cooper '85, PhD '92, a son, Noah Thomas, March 20, 2002.

Mark E. '85 and Lisa DuBose '87 Daniels, a daughter, Allison Elizabeth, Nov. 21, 2002.

Karen Price Carpenter '86, a daughter, Anna Elizabeth, Feb. 26, 2003.

Gerald M. Kaiser '86, twin sons, Carson and Cameron, Aug. 7, 2001.

Dottie Smith LaMance '87, a son, Mason Reid, Nov. 20, 2001.

Lisa Nelms Murphy '87, a daughter, Kate Ashlyn, Nov. 15, 2002.

Richard T. Bynum Jr. '88, a son, Julian Shafer, March 22, 2002.

Suzi Fralix '88 and Lynwood Earl '89 Hines, a son, Nathaniel Sterling, Nov. 13, 2002.

Daniel B. Johnson '88, a daughter, Audrey Dale, Feb. 20, 2003.

J. Mark Thrasher '88, a son, Kazden Robert, Jan. 31, 2003.

Elizabeth Smith Burgin '89, a son, William Hampton, Dec. 19, 2002.

Charlotte Evans Kinley '89, a son, William Edward, Oct. 8, 2002.

Tracy Edwards Whaley '89, a daughter, Holly Lillian, Nov. 12, 2002.

Lee Miller '90 and Pete L. '92 Calamas, a son, Nathan James, Nov. 28, 2002.

Tina Kindelan Valdes '90, a son, Juan Antonio, May 9, 2002.

Lisa Ferrara and Michael J. Cain '91, a son, Daniel Joseph, May 2, 2002.

James W.G. Nolte '91, a daughter, Ella Marie, Sept. 14, 2002.

Caroline Coleman Powell '91, a daughter, Madison Grace, Aug. 2, 2002.

Russell D. Robinson '91, a daughter, Alexis Hope, adopted from Yichun, China, Feb. 16, 2003.

Brian K. Sanders '91, a son, Samuel Logan, Sept. 10, 2002.

Jennifer Evers Slocumb '91, a daughter, Madeleine Kate, April 26, 2001.

Michel Smoak Stone '91, a daughter, Elizabeth Finley, Feb. 5, 2003.

Stephen J. Sywy '91, a son, Tyler Charles, Aug. 8, 2002.

Page Castles Wade '91, a son, Jeffrey Hudson, June 3, 2002.

M. Scott Blalock '92, a son, Con-

nor Gray, Jan. 14, 2003.

Lisa Crocker '92 and Robert W. '93 Goodson, a son, Thomas Key, June 17, 2002.

Gail Gambill Heussner '92, M '94, a daughter, Emma Grace, Dec. 18, 2002.

Michael K. '92 and Pamela Busbee '93 Kaczmarek, a daughter, McKenzie Inabinet, May 26, 2002.

Jacki Nantz Lovegrove '92, M '93, a daughter, Sara Grace, March 15, 2002.

Alecia Stafford Owens '92, a daughter, Virginia Claire, Nov. 9, 2001.

Karl '93 and Virginia Greenwell '95 Baumann, a son, Caleb William, July 24, 2002.

C. Landon Cobb Jr. '93, a son, Preston Andrew, Jan. 16, 2003.

Kathy Walker and Kenneth R. Davenport '93, a daughter, Leah Christine, March 2, 2003.

Jeff D. and Susan Grant Graham '93, a son, Archer, Oct. 8, 2002.

Bill R. '93 and Elizabeth Bradley '95 Holmes, a son, Bradley Thomas, Feb. 20, 2003.

Kevin P. Lee '93, a daughter, Caitlyn Kelliher, Oct. 6, 2002.

Raymond P. '93 and Pamela Hartog '94 McDowell, a son, Raymond Jacob, Oct. 10, 2002.

Lindsay M. Phillips '93, a daughter, Ellen Greer, Dec. 9, 2002.

Christy Lindler Riley '93, a son, Brandon Oneille, Dec. 31, 2002.

Aimee Turner Slesinski '93, a son, Nathaniel Robert, Oct. 27, 2002.

Ricky '93, M '96 and Kristie Seiv-erth '94 Touchstone, triplets, Adam Benjamin, Andrew Taylor and Abigail Elisabeth, Sept. 27, 2002.

Shane T. '94 and Erin Rogers '97 Bulman, a daughter, Emma Grace, Oct. 25, 2002.

Julie Hagins '94, M '95 and Russell D. '96, M '99 Esmacher, a son, William Russell, Sept. 10, 2002.

Alice Cartledge '94, M '97 and Curt T. '94 Evatt, a daughter, Amelia Isabelle, May 29, 2002.

C. Brent and Teri Horres Stone '94, a daughter, Meredith Claire, Jan. 22, 2003.

Jamie C. '95 and Jennifer Nelms '96 Cubitt, a son, William Edward, Jan. 10, 2003.

Joy Powell Duncan '95, a son, Nathaniel Bryan, Jan. 13, 2003.

James Phillip '95, M '96 and Wendy Higgins '95, M '96 Hill, a son, Austin James, Dec. 14, 2002.

Jennifer Psaltis Knox '95, a daughter, Kaylee Elizabeth, Nov. 8, 2002.

Harry Mendel Reed III '95, a daughter, Janie Lee, April 26, 2002.

Julie Mullikin Beard '96, a son, Bryson Dale, Sept. 4, 2002.

Meredith Baka Curley '96, a son, Andrew Dennis, Feb. 15, 2003.

Casey A. and Elizabeth Newton Forrest '96, a son, Jackson Thomas, Jan. 6, 2003.

Eric D. Goodwin '96, a daughter, Julie Elizabeth, Oct. 5, 2002.

Denise Gary Shealy '96, a son, Troy Charlton, Sept. 5, 2002.

Ryan Walker Christian '97, a son, Walker Ray, Nov. 8, 2002.

Marc A. '98, M '03 and Marianne Bruner '00 Baur, a son, Marc Andrew, Jan. 7, 2003.

Rebecca Austin Crosby '98, '00, a son, Jackson Garrett, Feb. 12, 2003.

Jennifer Rice Holcombe '99, a daughter, Darcy Ruth, Oct. 18, 2002.



ANSWERING THE CALL

The Clemson Corps is proud to salute alumni and students who have been called to active duty in response to current world tensions. Producing military leaders with an unflinching sense of duty, honor and sacrifice is a legacy of our great institution.

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For more information, call (864) 656-5896 or visit:
www.alumni.clemson.edu/clemsoncorps.htm
alumni.clemson.edu/military.htm (for names of those "Proudly Serving")
www.clemson.edu/military/scrollhofhonor.htm (for "Scroll of Honor")

Military Appreciation Day
Nov. 15, 2003
Clemson v. Duke



The Brooks Center for the Performing Arts is having a party! We're marking our 10th anniversary season with a yearlong celebration of top-notch entertainment by internationally acclaimed musicians, dancers, singers and actors, as well as performances by Clemson's best student artists. The excitement includes the following:

- Verdi's passionate opera, La Traviata
- The national tour of Fame – The Musical
- The Ten Tenors, the world's newest vocal phenomenon
- Our tour-de-force Kaleidoscope Concert, which showcases more than 600 Clemson students
- The 10th Anniversary Gala, a black-tie-optional affair that features a concert by the American Big Band

Stay tuned for a surprise 10th anniversary program in January 2004!

Brooks Center Box Office, Monday-Friday, 1-5 p.m., Telephone: (864) 656-RSVP (7787)

Web site: www.clemson.edu/Brooks

Passings

Joe D. Gibson '31, Greenville
 Griffith B. Dorn '33, Greenwood
 Walter W. Dillard '35, Greer
 William R. McKinney '35, Chesnee
 Oland L. Gurley '36, Spartanburg
 Robert S. Campbell Jr. '37, Knoxville, Tenn.
 W. Maynard Simpson '37, Williamston
 Hubert H. Settle '41, Inman
 Robert F. "Ike" Drennan Sr. '42, Rock Hill
 Charles H. Von Hollen Jr. '42, Greenville
 Lake H. Jameson '42, Easley, longtime Clemson civil engineer-

ing professor
 John S. Withers '43, Winnsboro
 Paul C. Aughtry Jr. '44, Greenville
 J. Chris Swift '44, Elberton, Ga.
 William P. Triplett '44, Darlington
 Milledge G. Austin Jr. '46, Ellore
 J.T. Barton Jr. '50, Greer
 Nat S. Cornwell '50, Fort Myers, Fla.
 Walter B. Gregg Sr. '50, Kingstree
 Henry C. McDonald Jr. '50, Brevard, N.C.
 Ray C. Smith '50, Bishopville
 Roger R. Britton '52, Chester
 Elizabeth Bigby Henderson M '52,

Clemson
 Edmund Newton Jr. '52, Brevard, N.C.
 Wallace R. Riggins '52, Easley
 Robert J. Lowery '55, Lancaster
 William L. Kennerly Jr. '56, Swansea
 Harold K. Whitfield '57, Anderson
 James Danny Fisher Sr. '58, Belton
 William D. Gasque '58, Columbia
 David K. Miller '62, Kingstree
 Frank J. McGee '63, Anderson
 Kenneth G. Shepherd '63, Barnwell
 Jim H. Austin Jr. '65, Cross Hill
 Carol Kimbrough Brown '65, Clemson
 Charles A. Burleson '65, Weslaco, Texas
 R. Allen Stevens '65, Clemson
 Patricia Abbott Farnum '67,

Seneca
 John C. Ellers '68, Lexington, Va.
 Robert J. Phillips '69, Hampton
 Hubert H. Settle III '71, Albany, Ga.
 Barry H. Johnson '72, Aiken
 Terry G. Batson '75, Greenville
 Barry M. Reading '75, Columbia
 Amy Kay Stubbs '87, Easley
 Thomas J. White '91, Upper St. Clair, Pa.
 Todd E. Hughes '95, Greenwood

Clemson World gives hometowns of deceased alumni – where they were from when they were Clemson students – to help former classmates identify them.

SUMMER 2003

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

Sorry for the delay!

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

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

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

Has anything new happened to you?

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

Name (please include maiden name) _____
 Year of Graduation _____ Major _____
 Town and State _____

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

Send your news by FAX to (864) 656-5004 or by email to sleigh@clemson.edu.
 Or tear along perforated lines and mail your news to Clemson World, 114 Daniel Drive, Clemson, SC 29631-1520.



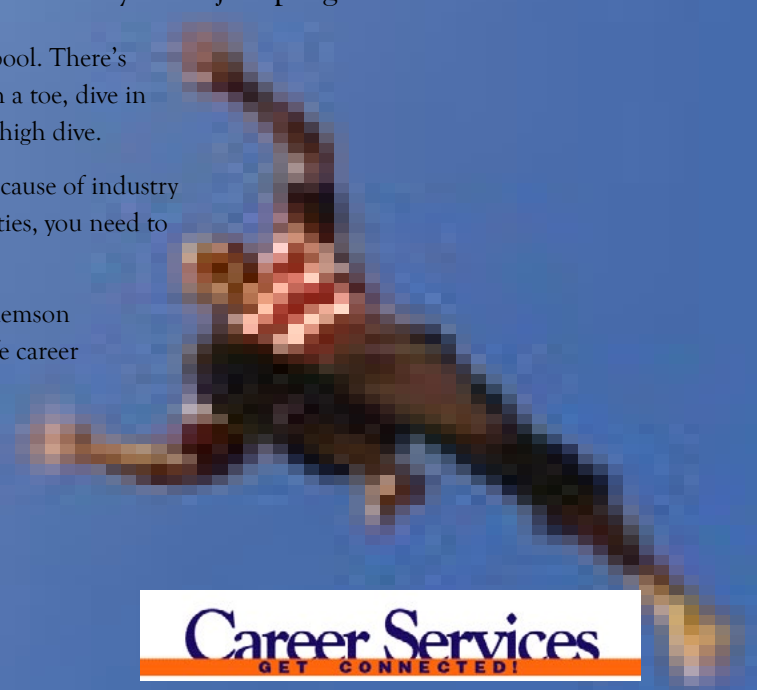
Re-careering? Know what you're jumping into!

Changing careers is kind of like entering a swimming pool. There's more than one way to do it. You can test the water with a toe, dive in head first after some inspection, or cannonball off the high dive.

Whether you're catapulted back into the job market because of industry decline, company downsizing or a shift in family priorities, you need to know how to "re-career."

For assistance in making a career transition, contact Clemson Alumni Career Services. You can seek advice on midlife career changes from Aska-Tiger network mentors by going to <http://askatiger.clemson.edu>. Enter the password "alumnitiger" and select "Special Insights."

Tenneil Moody, Director
Alumni Career Services
864-656-2345
Email: acs-L@clemson.edu
Web: alumni.clemson.edu





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Newsmakers

Say che-e-e-se



Johnny McGregor of Clemson's food science and human nutrition department (second from right) and Bob Waggoner (far right), executive chef of the Charleston Grill, appear on camera during the Turner South Network's taping of a segment on world-famous Clemson Blue Cheese.

Clemson's food science program, the only one in the state, seeks to improve lives through 21st century leadership in food technology, culinary science and human nutrition. To learn more about the program or about Clemson Blue Cheese, Clemson Ice Cream or the new MicroJoe, Clemson's coffee-roasting company, visit the Web at www.clemson.edu/foodscience.

Perfect timing

New Clemson graduates Charles "Chip" Swannack III, a computer engineering major, and Shelley Swannack, a speech and communication studies major, were delighted that their father, Army Maj. Gen.



Charles Swannack Jr., could join their mom in attending their graduation.

The commanding general of the 82nd Airborne and his paratroopers had just returned to the United States

from Iraq in time for the twins' Commencement ceremony in May. The happy reunion was carried in papers across the country, including the News-Journal of Longview, Texas, the Sarasota Herald Tribune, Tri-Century Herald of Washington, the Dayton Daily News, the Atlanta Journal-Constitution, several online publications and even the Guardian Unlimited of London.

Robots gone wild

Clemson's robotics team competed on "Robot Rivals!" on the Do It Yourself Network earlier this year. Pictured from left are DIY Robot Rivals expert Brian Nave with Clemson engineering students Iris Johnson, James Holcombe and team captain Charly Hermanson. The team competed against the University of Utah to build an egg-grabbing robot. (Not pictured is team member Will McMahan.)

This series takes outstanding students from rival colleges, puts them in a gigantic warehouse stocked full of parts and gadgets, and challenges them to build robots that can perform specific tasks. Other engineering teams picked for the first season include Harvard, Cornell, Carnegie Mellon, Cal Berkeley, MIT, Georgia Tech and Virginia Tech.

"We chose Clemson because of its reputation in engineering and its high ranking in college reviews," says Rob Lundgren, chief operating officer of RIVR Media, the Knoxville, Tenn., production company behind "Robot Rivals!"



'I Want Your Job, Lady!'

Time magazine's May 4, 2003, article "I Want Your Job, Lady!" looks at how men are taking up professions previously dominated by females. It includes the Clemson-based Call Me MISTER®, a program to put young African American males at the chalkboard in South Carolina public schools.

Who's pictured with Alex Trebek?

The answer is Carolyn Goolsby, the second Clemson librarian to appear on "JEOPARDY!" in less than a year. Maybe it's from working around all that knowledge that makes Clemson librarians so smart. Goolsby, who appeared on "JEOPARDY!" in March, held her own while she had what she calls, "the most fun I've ever had asking questions!"



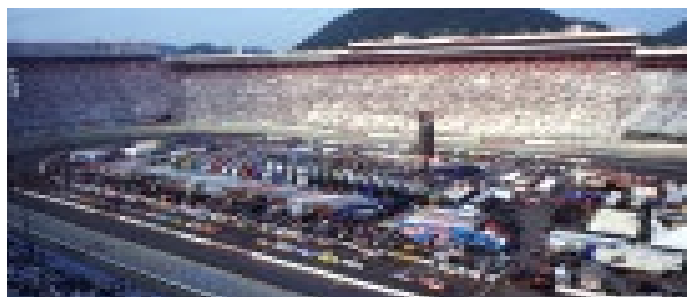
The Telly goes to ...

The Telly Award, one of the most sought-after honors in the TV commercial and video industry, has found a home at Clemson.

The national recognition program showcases outstanding non-network and cable commercials along with film and video productions. Recent winning videos from Clemson are "Be the Change," shot for the University's One World Project, dedicated to creating a community environment that promotes diversity by embracing differences. Clemson also earned a Telly for "Rah Rah Research," a public service spot that ran during televised Clemson sports events last year. Both were produced and directed by Sara Diaz of the University's news services.

David White of Clemson's Public Service Activities marketing communications also earned a Telly Award last year for "Touch the Earth," a video of the S.C. Botanical Garden's earth sculpture program, and "Roaring into the Future," produced for Clemson's capital campaign. And Paul Ruskowski, also of PSA marketing communications, won a Telly for "Fuji – A Vision for the Future."

Tom Lollis, PSA media relations, also won a national communications award earlier this year – from Agricultural Communicators in Education (ACE) – for an article updating efforts to suppress fire ant populations in the Southeast.



NASCAR engineer

FoxSports.com (April 2, 2003) includes Clemson alumnus Mike H. Nelson in "Engineers Proliferate at Penske." The article looks at the technology emphasis brought to Penske Racing South by driver Ryan Newman, crew chief Matt Borland and race engineer Nelson. An Anderson native, Nelson earned a bachelor's degree in mechanical engineering in 1996 and a master's in 1998. He joined Penske soon after graduation.

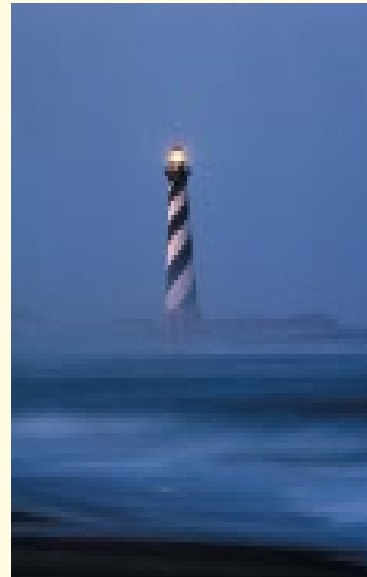
Family Circle success story

When two Greenwood women decided to open a business selling gourmet potato chips, the first advice they got was to consult with the Clemson University Extension Service. The success story of friends and business partners Harriett Kinard and Jane Burns is featured in the May 13, 2003, issue of Family Circle in "Recipe for Success."

Two years ago they called the Small Business Development Center at Clemson's Extension office in Greenwood for free counseling to small-business owners. The area manager, Ben Smith, a 1997 MBA graduate, helped them with a business plan. Now their enterprise, Lotus Chips, is not only surviving but thriving and expanding.

For information about small business development in your area, contact your local Extension office or call the Small Business Development Center at the University at (864) 656-3227.

'Knack for Preserving History'



The online magazine Progressive Engineer – found at www.ProgressiveEngineer.com – profiles Clemson civil engineering alumnus David C. Fischetti '69 in "A Knack for Preserving History" (December 2002). Fischetti started his own company DFC Engineering of Cary, N.C., in the 1970s. Since then his work has included both new and old structures and ranged from feasibility studies to design and construction administration. His most

famous historic preservation project was spearheading efforts to get the National Park Service to move the Cape Hatteras Lighthouse of North Carolina inland.

Working with the pros

The Journal of Financial Planning (January 2003) features former Clemson student athlete Dean Harmon '92, a certified financial planner (CFP), in "Pros Who Work with the Pros." It focuses on his financial planning work with professional athletes and coaches as well as executive and movie industry clients. Harmon, who currently lives in Houston, Texas, is also writing a book on financial planning.



Commitment

BB&T banks on Clemson

Clemson's John E. Walker Department of Economics is getting a \$1 million boost from BB&T to enhance a research center that supports economic education. The BB&T Center for Economic Education and Policy Studies will help people better understand markets in practical and ethical terms.

The gift will support five initiatives over the next five years.

- An Ethical Foundations of Markets and Capitalism course will be offered at least once a year and taught in conjunction with Clemson's philosophy department.

- A BB&T Economics Summer Camp will be held to interest and educate rising high school juniors and seniors in the basic principles of economics. Activities will include classes, seminars and lessons led by Clemson faculty, visits with business people and tours. It will also involve Clemson faculty in political science, philosophy and religion.

- BB&T Research Scholars will receive grants and awards to assist in their basic and applied economics research.

- BB&T Economic Education Awards will recognize outstanding high school economics teachers and economics students in high school and college. The awards will carry a financial honorarium for the teacher and the high school. The students will be recognized as Economics Student of the Year.

- A BB&T Scholar-in-Residence will receive financial support for economics research.



'53 goes gold

In celebration of its 50th anniversary, the Clemson Class of 1953 gave the University more than \$5,875,000 for the University's academic programs. Pictured with President Barker is Tom Skelton, class project chairman and Clemson entomology professor emeritus.



Class of '56 rally

Alumni from Clemson's Class of 1956 gathered for a spring reunion and to work on goals for their 50th reunion in 2006. The class plans to raise funds for two student initiatives: an academic support center and a Clemson Corps scholarship endowment.

T-Bone remembered

The Robert E. Moore Jr. Scholarship has been established as a memorial to the late Robert E. "T-Bone" Moore Jr. '72, M '74 of Hartsville. As a cotton entomologist, farmer and warehouse manager, Moore served farmers in many counties of the Pee Dee. The first Moore Scholarship (\$4,000 over four years) was awarded to Corrie Davis of Bishopville. Pictured from left are Tommy Woodham, Rex Varn '80, Terri Woodham, Kathy Varn; Jeanie, Frank '79 and Corrie Davis; Kathy '74 and Robert III '98 Moore and Janie Moore Byrd '93; and Susan '74 and Eddie Moore. One-year scholarships were also awarded to Shane M. Oxendine and Emily B. Cabbage. For information on supporting the scholarship, call Louise Hopkins at (864) 656-3612.



Where there's a will there's a way to leave a legacy

Ralph Waldo Emerson had an interesting and philanthropic definition for success: "Success is to give of one's self to leave the world a lot better, whether by a healthy child, a garden latch or redeemed soul condition." Thomas Green Clemson embraced this when he penned his will and established what is now Clemson University.

Did you know that you could continue your support of Clemson University beyond your lifetime, and follow Mr. Clemson's legacy?

By including the Clemson University Foundation in your will or estate plan, you can ensure that Mr. Clemson's legacy and today's vision for Clemson University will be there for generations to come. This is an easy way to leave the University a better place for future generations of students to follow — a way to leave your own legacy.

Unfortunately, less than 6 percent of the population enjoys Emerson's definition of success. Only 5.8 percent of Americans include charitable provisions or planned gifts in their wills or estate plans. With your help, we hope to change that. Working together, we can all help secure the future of Clemson University.

All it takes is a little "will power." Here are some steps you can take to leave your legacy:

- Prepare or revise your will.
- Leave a gift in your will for a charitable organization that you believe in or one that has made a difference in your life.
- Leave a specific dollar amount or a percentage of the assets in your will to your favorite charity.
- Consider using assets for a current gift.
- Name your favorite charity as the beneficiary of your IRA or pension plan.
- Purchase a new life insurance policy naming your favorite charity as the beneficiary.
- Name your favorite charity as the beneficiary of an existing life insurance policy.
- Remember deceased loved ones with a memorial gift to charity.
- Encourage family members and friends to leave gifts to charity.

Use your "will power" to leave a legacy. Contact JoVanna King in the Office of Gift and Estate Planning at (864) 656-0663 or jovanna@clemson.edu for more information on planned giving opportunities.

Mr. Clemson believed in the power of education, and to realize this, he established Clemson University through his will. By making a planned gift, you will leave a legacy for future generations of Clemson students.

All it takes is a little will power!

BellSouth invests in Clemson photonics

BellSouth has committed \$50,000 to the University's Spiro Center for Entrepreneurial Leadership for its work with the Center for Optical Materials Science and Engineering Technologies (COMSET). The funding will support a proposed Center of Economic Excellence in Photonic Materials.

The gift will support a feasibility study, development of marketing materials and a Web site, visits to companies and research centers to lay a foundation for research relationships and industrial recruitment, an Entrepreneurship in Photonics symposium and entrepreneurial experiences for graduate students.

This initiative led by Caron St. John, director of the Spiro Center, and John Ballato, director of COMSET, advances the University's efforts to transform the region into a hot spot of photonics technology firms.

The Center of Economic Excellence in Photonic Materials will initiate and sustain partnerships and programs among researchers, educators, industrial partners and entrepreneurs to develop new photonics technologies and transfer those technologies to new and existing companies. The goal is to spur technology-based economic development that will create jobs, build new companies and bring new companies to this region.

Boppin'

Major Gift Club members will go

sock hoppin' in the newly renovated Fike Recreation Center on Nov. 7. The Sock Hop in Fike is the annual Major Gift Clubs gala event. The Society Induction will be held during a separate event in the spring.



Big boosts from BMW



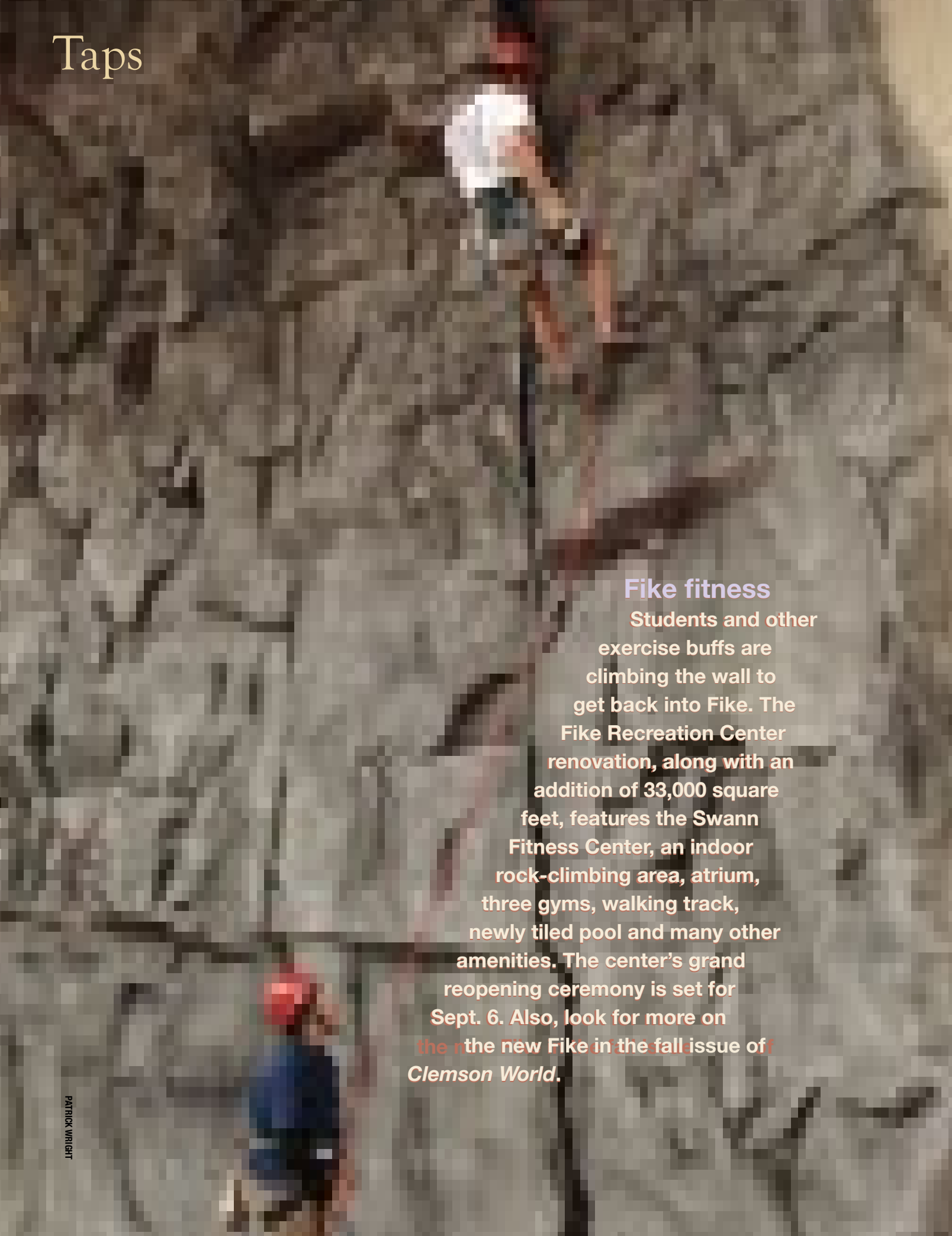
A \$150,000 BMW Manufacturing Corp. commitment to the University will help put another German language instructor in front of Clemson students. The pledge will be paid over three years, and most of the funds will be used to pay the salary and benefits for a German-language lecturer.

Clemson has seen a steady increase in students interested in studying German. Approximately a third of the 200 students in German classes each semester are engineering majors.

The addition of a new lecturer will allow current faculty to conduct research and increase the number of upper-level courses, including courses that focus on professional needs. The new lecturer will be a liaison with the College of Engineering and Science and will arrange outreach activities on campus and to businesses in the Upstate.

BMW has also made a \$150,000 gift to help Clemson place 200 African American men in South Carolina's elementary school classrooms as teachers. The gift, which will be paid over three years, supports Call Me MISTER®, a program coordinated through the Eugene T. Moore School of Education at Clemson.

The program, now in its third year, is a collaboration among Clemson, Benedict College, Claflin University and Morris College in Sumter to recruit, prepare, certify and place 200 black males as elementary teachers in the state's public schools.



Fike fitness
Students and other exercise buffs are climbing the wall to get back into Fike. The Fike Recreation Center renovation, along with an addition of 33,000 square feet, features the Swann Fitness Center, an indoor rock-climbing area, atrium, three gyms, walking track, newly tiled pool and many other amenities. The center's grand reopening ceremony is set for Sept. 6. Also, look for more on the new Fike in the fall issue of *Clemson World*.