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On the cover: Sikes at night. (Photo by Rick Clark)
Decisive moment

Throughout history, Clemson has faced decisive moments that have shaped its future. In the 1950s, we shifted to a coed and civilian student body; in the 1960s, we desegregated and gained university status; in the 1990s, we underwent restructuring.

On June 20, 2001, another such decision was made. When the Board of Trustees enacted an unprecedented tuition increase, they ensured that we would provide the resources necessary to make Clemson one of the top-20 public universities in the nation.

Throughout the year, as we faced substantive issues about quality, funding and the direction of the University for the next 10 years, we followed a process that served us well. Our goals are non-negotiable. We would have an open, inclusive process. We would gather input from people affected by our decisions. We would debate all options, carefully considering the benefits and risks of each. We would act as One Clemson.

As Clemson alumni, students, faculty and staff all know, we have a goal to become one of the nation’s top-20 public universities, and we have a plan or a “road map” to help us achieve that goal.

We will build our research environment and improve South Carolina’s ability to attract knowledge-based industry. The value of a Clemson degree will be increased, making our graduates more competitive in the job market. More of our best students will remain in state for their education, no longer having to choose between a LIFE scholarship and a top-tier education.

A recent poll shows that 9 out of 10 South Carolinians agree that the state should have a top-tier university. Yet Clemson is substantially underfunded, even with a 42 percent tuition hike. According to the Commission on Higher Education mission resource requirement, Clemson is funded at $68 million a year below what we need to operate. We are currently funded at 61 percent of the state’s formula compared to 65 percent for peer research institutions in South Carolina.

For the past five years, Clemson has had lower tuition increases and smaller growth in appropriations than other state institutions. When we compare per-student appropriations to those in Georgia, North Carolina and Florida, we are far behind.

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Decisive moment

“A quality of Clemson will not be susceptible to unexpected shifts in state revenues or the economy.”

THE PRESIDENT’S VIEW

The Alumni Association has had a long-standing commitment to provide Clemson World to every alumnus four times a year, regardless of whether or not that alumnus has financially supported the University’s academic programs through the Clemson Fund. Unfortunately, with funding concerns and the need to increase efficiencies, we are forced to make a difficult decision.

Beginning this fiscal year (July 1), we are sending one issue—Summer 2001—of Clemson World to all alumni. The other three issues will be sent only to those who have made a gift to the Clemson Fund or who have graduated within the last 12 months. Implementing this policy will save approximately $50,000 each year. Currently there are about 45,000 alumni who have never made a gift to the Clemson Fund. Hopefully, the value of Clemson World will be that added incentive these alumni need to make their first gift of $10 or more.

If you have never supported the University through the Clemson Fund, this issue of Clemson World will be the last you receive until August 2002, unless you make a gift. You can make a gift online at www.clemson.edu/insupport, return the gift envelope in Clemson World or call 864-656-5896 to make a credit card gift.

It is our hope that this time next year you will have a much smaller number of alumni who have not supported Clemson financially. We hope to return to the time when all alumni get four great issues of the Clemson World every year.

Fred Faircloth ’72, Clemson Alumni Association President

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Debbie Dalbou ’75, Executive Director

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We believe that our goals were reasonable with modest improvements in five areas.

State Appropriations: We assumed we would continue to see the modest increase of 2 to 3 percent that had been the norm the past five years. Instead of slight growth, however, we face a situation of flat funding for funding areas. We believed that our goals were reasonable with modest improvements in five areas.

Tuition: For the past five years, tuition increases merely offset unfunded pay raises and other unfunded mandates. We knew we would need larger tuition increases than in recent years. On June 20, 2001, Trustees took a bold step enacting a substantial tuition increase that demonstrated commitment to improving the quality of a Clemson education.

External Support: We would not place the entire burden of our plans on the state and students. Our plan calls for increase in external support generated through private gifts, grants and sponsored programs. Our faculty and staff have risen to the challenge. Last year, we had the most successful fund-raising year ever and the highest one-year increase in research funding ever.

Internal efficiencies: With limited resources, we knew we would have to look within and be willing to reallocate from current budgets to higher priorities. Our administrative costs are 7.3 percent of academic costs, the lowest in the state and well below similar universities elsewhere. Our general overhead cost per student is $1,200 to $1,200 less than it was two years ago. Each year, Clemson realized the highest scores in the state for administrative efficiency. Yet we continue to look for ways to maximize efficiency and have recently restructured two academic colleges.

Accountability: We have a responsibility to tell students, parents, alumni, legislators and others how we are spending their money and show them what we are receiving in return. We have published and widely distributed our goals. We keep a continually updated Web site that reports on how we’re doing on each goal. We will...
It takes 25 to get to ‘20’

To become a top-20 public university, Clemson needs help from at least 25 percent of its alumni. All states are important, but because over half of our alumni live in South Carolina, each county really adds up. Congratulations to all counties that have reached 25 percent in 2000-2001! See the fiscal year-end results below (as of 6/30/01).

Get a jump on the new fiscal year, which began July 1, and start your county participation off right.

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</tbody>
</table>

Use the enclosed envelope, call 864-656-5896 or make a secure online gift at www.clemson.edu/isupportcu to help Clemson reach the top 20.

THANK YOU for helping Clemson exceed the 25 percent alumni participation mark!

Clemson Pride

Stuart C. McWhorter ’91

In the decade since he graduated from Clemson, Tiger mascot Stuart McWhorter has continued to be a leader.

After earning his bachelor’s degree in management from Clemson, McWhorter served as an intern with the U.S. Budget Committee before earning his MBA from the University of Alabama-Birmingham. He then became vice president of physician development with Tenet Healthcare Corporation and was founder and vice president of OrthoLink Physicians Corporation, now United Surgical Partners (NASDAQ: USPI).

In 1996, McWhorter and his father founded their own firm, Clayton Associates LLC, an investment firm in Nashville, Tenn., that serves as a hub of strategic business development activities for health care and diversified service and technology firms throughout the Southeast. But the man who previously wore the Tiger suit hasn’t forgotten his Clemson experience, and he’s continuing his family’s commitment to philanthropy in his own innovative way.

Part of McWhorter’s gift to the Clemson University Foundation will establish a student investment fund in conjunction with the University’s Trading Room in the College of Business and Behavioral Science. Clemson has one of only a few collegiate “Wall Street laboratories” nationwide in which finance students work with the same resources that professional brokers utilize to research, buy and sell securities. McWhorter’s contribution will enable them to make real-time transactions with real funds through a licensed broker. If successful, proceeds will benefit the Clemson Foundation.

In support of Tiger Pride, the athletics component of The Clemson Commitment capital campaign for upgrading athletic facilities, McWhorter is adding art to Memorial Stadium. Fittingly, McWhorter will fund a bronze tiger to be installed in the soon-to-be-reno-vated West End Zone.

“I draw from my experiences at Clemson so often. In many ways, a student’s years in college lay the foundation for future achievements,” says McWhorter. “I hope to encourage tomorrow’s alumni to remember the University and to sustain the continuum of support.”

For information on ways to support academic and athletic activities with a single gift, contact the Development Office at P.O. Box 1899, Clemson, SC 29633-1899 or call 864-656-2221; contact the IPTAY Office at P.O. Box 1529, Clemson, SC 29633; go online at www.clemson.edu/isupportcu or see the One Clemson envelope in this issue of Clemson World.
Call Me MISTER

Clemson’s Jeff Davis ’84, field director of the “Call Me MISTER” program, was honored by Oprah Winfrey earlier this year for helping to make the world a better place.

On “The Oprah Winfrey Show,” broadcast in April, Davis received the “Oprah’s Angel Network’s Use Your Life Award” for his work with Call Me MISTER, an innovative program designed to put more African American male role models into elementary school classrooms.

The award includes a $100,000 gift, funded by actor Paul Newman and his “Newman’s Own” line of food products and by donations from viewers. The gift will be used to move Call Me MISTER closer to its goal of producing at least 200 young black male teachers for classrooms across the state over the next four years and to be a model for other states seeking solutions to similar problems.

The award was given for Davis’s work with the program, Call Me MISTER, an innovative program designed to put more African American male role models into elementary school classrooms. The program, designed to prepare executives for business in the worldwide marketplace, consists of a 12-course curriculum over a 24-month period with students spending 12 weeks in residence at Dubai’s Internet City. They will complete the remaining requirements through teleconferencing and the Internet. Clemson faculty will offer courses in financial management, marketing management, supply chain management and business strategy.

Clemson faculty will benefit from the interaction with international business leaders in a critical region in the world’s economy.

Global impact
A deceptively simple-sounding program at Clemson — Developing Naturally: Enhancing Communities — is having anything but simple results. As a sign of its impact, it has just won a national innovation award from the National Association of Development Organizations (NADO) Research Foundation.

The program’s resource materials, developed and distributed through the Strom Thurmond Institute and made available on the Web, emphasize grassroots economic development, social development and ecological sustainability.

What began as guidelines for rural South Carolina on such topics as nature-based community tourism, bed and breakfast development and recycling for the hospitality industry, has become a godsend for small rural communities around the globe.

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Developing Naturally provides resource materials at no cost from its Web site: www.developingnaturally.com.

Clemson in Arabia
Clemson is partnering with Zayed University in the United Arab Emirates to offer a new executive master of business administration degree in managing e-business. The tax-free environment of Dubai is well-suited to international commerce.

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National champs!
Clemson earned top honors in the 10th annual National Student Steel Bridge Competition in May. More than 400 civil engineering students from 42 colleges and universities across the United States and Canada took part in the event, held this year at Clemson’s Medalen Conference Center.

The winning Clemson bridge, a 184-pound, 23-foot orange and blue beauty, was able to hold almost 14 times its weight. Bridges were required to hold 2,500 pounds, roughly the weight of a Volkswagen Beetle. The construction team of four built the bridge in 1.77 minutes!

Designing those perfect spans, however, took nearly a year. The Clemson team invested about 600 hours in design and fabrication and an additional 300 hours in practice.

Key sponsors include the American Institute of Steel Construction and American Society of Civil Engineers.

The national championship team includes captain Scott Robinet, Jon Lamb, Bob Twidell, Matt Anderson, Will Jacobs, Adam Black, Cene Rogers, Charlie Wilson, Rasty Charles, Matt Bollin and Billy Evans with civil engineering professor Scott Schiaff as adviser.

Korean War veterans
In a future issue of Clemson World, we would like to remember and honor the many alumni who served our country during the Korean War. Within the past year, we’ve heard from several alumni who have shared their experiences. We hope to hear from others. If you have a Clemson-related story or experience for the Korean War that you’d like to share, please call 864-656-7897, email skr@clmson.edu, fax 864-656-5204, or write to Clemson World, Clemson University, 102 Fike, Clemson, SC 29634-5608.
Storm warnings

Clemson is well known for its wind-engineering program, but the problems presented by hurricanes and tornadoes involve more than just wind. A conference at Clemson brought together international experts to explore how to deal with the wind-related aspects of the storms and to join them with sociopolitical impacts in North, South and Central America.

The American Conference on Wind Engineering gave wind engineers, sociologists, risk managers, emergency preparedness managers, meteorologists, architects, contractors and manufacturers the opportunity to share their expertise on the impact of nature’s devastating force.

Participants explored policy-making issues such as creating new wind-load codes for homes, low-cost refuge centers and a national wind-based reduction program.

Reedy River Project

Greenville has turned to the University for a vision of how to develop the historical Reedy River. Clemson is serving as facilitator in a partnership with the city and county to plan the development of a 16-mile section of the river from Travelers Rest through downtown Greenville to Lake Conestee.

The purpose of the Reedy River Project is to create and implement a master plan that will provide guidance for the best use of the corridor for private landowners and local governments. Clemson faculty and students from the College of Architecture, Arts and Humanities bring in both a fresh look and renowned expertise.

The first round of public hearings began earlier in the summer. “This project is about doing what is best for the community,” says Barry Nocks, project director and Clemson professor of city and regional planning.

Using feedback gathered at the public hearings, the master planners will define areas for various types of land uses, from residential to commercial to recreation and open space. They will also propose design standards and implementation strategies for county and city governments.

For more information on the Reedy River Project, visit the Web site: www.clemson.edu/city/cog/reedyriver.

Herbal remedy

Clemson has joined a pact to bring one of the fastest growing industries in the nation — nutraceuticals — to the Carolina coastland. Nutraceuticals, or medicinal botanicals, could provide the state’s tobacco growers with a new source of income to supplement what has been lost to reduced quotas.

Nutraceuticals and medicinal botanicals could provide the state’s tobacco growers with a new source of income to supplement what has been lost to reduced quotas.

The National Nutraceutical Center (NNC), began in Charleston and now on the Clemson campus, is a consortium of Clemson, the S.C. Research Authority and the Medical University of South Carolina. The center is building on the fact that South Carolina has the climate and the technology already in place to become a major player.

“The idea is to link agriculture and medicine, helping the nutraceutical industry that is already present in the state to become more vibrant and bring new players into South Carolina,” says Dave Giangrandi, NNC executive director.

Work has already begun through the S.C. Herb Project to grow nutraceutical botanicals such as feverfew on land previously used to grow tobacco. The work has been a joint effort including faculty from Clemson’s Coastal Research and Education Center in Charleston.

Parents, mark your calendar


Homecoming weekend: For information on hotels, football tickets and other events, visit www.clemson.edu and click on Parents Weekend 2001 or call 864-656-2345.

World View

Run for the Libraries

Marcia Baker (#2) leads the pack early in the Presidential Race 2001, a 5K road race in April to benefit the Clemson Libraries.

Students in the University’s parks, recreation and tourism management program managed the race, and Wendy’s provided corporate sponsorship.

“The annual race is a great opportunity to support both the academic and athletic traditions of Clemson,” says President Jim Barker (#1). “Beyond that, it’s a great event.”

Homecoming books

If you’re coming back to Clemson for Homecoming, Oct. 20, don’t forget your books! Clemson Libraries staff and volunteers will be driving around the main parking areas in easy-to-spot gold carts to pick up book donations. Some books will be added to the Libraries’ collection; others will go into the annual book sale.

Collection tables will be set up near the Kickoff Countdown Radio Show in front of Littlejohn, on the bridge in front of Cooper Library and in the Lee Hall Courtyard.

WISE girls

Nearly 50 eighth-graders came to campus in June for Project WISE (Women in Science and Engineering), a weeklong camp for girls featuring mini-courses taught by Clemson professors. WISE campers experienced hands-on learning, practical applications and the fun side of math and science. The camp was made possible by a grant from Duke Power.

Chemistry Olympiad

Salt Lake City may have the 2002 Winter Olympic Games, but Clemson has the Chemistry Olympiad every year. For nearly a decade, the U.S. National Chemistry Olympiad has been prepared, distributed and graded at Clemson.

Thanks to the American Chemical Society’s DivCHED Examinations Institute at Clemson, top chemistry educators from high schools and universities gather on campus annually to grade the National Olympiad Exams. Winners go on to compete internationally.

For more information about the Chemistry Olympiad, visit the Web at www.acs.org/education/student/olympiad.html.

Gullah arts and lore

Clemson’s ninth annual Festival of African American Literature and the Arts (FAALA), Sept. 17-21, at the Brooks Center embraces the artistry and heritage of South Carolina’s coastal islands and celebrates the Gullah culture.

NPR cultural correspondent Vonnie E. Norris will return to her native South Carolina to talk about “Growing Up Gullah.” Emmy-nominated Ron and Natalie Davis will share Gullah stories and songs. And master sweetgrass basket weaver Jenny Bennett-Taylor, a native of Mount Pleasant, will exhibit her work.

For more information, call the Brooks Center at 864-656-7578.

Kaplan/Newsweek top college

Clemson has just been recognized in the Kaplan/Newsweek College Catalog 2002 as among top schools in the nation that offer the best value for the tuition dollar, that are academically challenging, that are hot and trendy, and that have the best Web sites.
Environmental excellence

Clemson's Institute of Environmental Toxicology made history earlier this year when it received the Environmental Excellence Award from International Paper of Purchase, N.Y., the largest paper and forest products maker in the world. Clemson became the first university to receive the prestigious award.

The award recognizes professor John Rodgers and his students who've worked on International Paper's environmental projects over the years.

A specialist in environmental hazards and wetlands, Rodgers and his colleagues have explored the natural process for removing water pollutants and have created man-made projects to accomplish the same goal.

VP for research

The University's new vice president for research is Christian E.G. Przirembel, a Fellow of four national engineering and science organizations and internationally recognized for his leadership in engineering education.

A member of Clemson's faculty since 1981, Przirembel played a key role in establishing at the University the only National Science Foundation center for advanced engineering fibers and films in the United States.

He has earned a list of honors throughout his career including the nation's highest award given by the mechanical engineering education community — the Ralph Coats Roe Award.

College name change

Clemson's former College of Business and Public Affairs has a new name that more accurately reflects its departments — the College of Business and Behavioral Science.

The college includes the School of Accountancy and Legal Studies and the departments of economics, finance, management, marketing, graphic communications, political science, psychology, sociology, military science and aerospace studies. It is also home to the Small Business Development Center and the Spiro Center for Entrepreneurial Leadership.

Clemson's dean of the College of Business and Behavioral Science Jerry E. Trapnell has been elected vice chair/chair-elect of AASCB International, the Association for the Advancement of Collegiate Schools of Business. It is the premier accrediting agency for bachelor's, master's and doctoral degree programs in business administration and accounting worldwide.

Making strongholds stronger

Clemson's College of Engineering and Science is realigning two research and education strongholds in order to expand the potential reach of both and to put the college in a better position to help Clemson reach top-20 status in public universities.

The two new schools — the School of Materials Science and Engineering and the School of the Environment — will each operate as a single administrative and budgetary unit, meaning that each will be better able to build the faculty, infrastructure and funding needed to sustain leading-edge research and education programs.

The School of Materials Science and Engineering includes units of the previous School of Textiles, Fiber and Polymer Science and the Gilbert C. Robinson Department of Ceramic and Materials Engineering.

The School of the Environment combines the environmental engineering and science department with geological sciences. Key research areas include environmental treatment process engineering and nuclear environmental engineering.

TIME traveler

Psychology professor Cindy Pury recently took her "TIME Public College of the Year" T-shirt all the way to ancient times in Athens, Greece. She's pictured at the Stoa of Zeus, with the Temple of Hephaestus in the background.

The Clemson Ring Connection

Generations of Clemson alumni wear their class rings with universal pride and personal significance.

In the early military days, the rings were the hallmark of the "Clemson man." And when that elite fraternity expanded to include women, the spirit embodied in the ring continued and broadened.

From grandfather to father, from son or daughter to grandchild, the Clemson Ring encircles families in a common tradition of outstanding academics, exciting athletics and lifelong friendships.

But each ring holds its own special story for the wearer. It may signify success at the end of a long road of sacrifice. It may alert you to a fellow traveler in a foreign land. It may represent a promise kept, an opportunity born, a moment remembered.

The Clemson Alumni Association would like to ask Clemson World readers this question:

What makes the Clemson Ring so special to you?

Please take a minute to let us know. You can use the response form on p. 41; email us at sleigh@clemson.edu; call 864-656-7897; fax 864-656-5004 or write us at Clemson World, Clemson University, 102 Fike, Clemson, SC 29634-5608.
I'm used to this sort of complaint, of course, and I like to respond to it directly. "For one thing," I point out, "every other discipline taught at a university like Clemson was initially developed by philosophers as part of philosophy. Physics departments, for example, didn't even exist until about 120 years ago since physics was considered to be a branch of natural philosophy." Then I go to work by asking them these irritating "why questions" for which philosophers are so famous — such as, "Why do you suppose all academic disciplines began with philosophy?"

What I hope my students come to understand is that philosophy is basically all about thinking. A philosopher is someone who continually asks questions and questions answers. This can sometimes make philosophers annoying, as the Athenians discovered with Socrates. On the other hand, it's clearly better than the alternative: Someone who never asks difficult questions will never make any progress, and someone who never questions his answers will hold on to all sorts of false beliefs.

The question of ethics

Ethics is the area in which contemporary philosophers are most often asked for input. Ethics deals with questions of how we should behave toward one another. (How we actually do behave is another matter entirely.) Ethical questions pervade every aspect of our lives, and they are also notoriously complex. Despite this, people often attempt to solve them with surprisingly little reflection.

Here lies one of the most basic services philosophers provide — critique of what people accept uncritically. When a claim is obviously controversial, people approach it with caution, but the claims that can get you into trouble are the tacit ones that few question. For example, it's common for people to believe that ethical views that can get you into trouble are the tacit ones that few question. This is a radical conclusion, in which case they must believe that ethics is based on more than mere opinion. Of course, this immediately raises the question of what basis is appropriate, but that's a much more involved question than I can explore in this context.

Ethics is not just abstract theory. Every discipline and profession, from accounting to zoology, has its own set of ethical problems, and solving these problems requires philosophical work that is anything but abstract. My own training is in both biology and philosophy, and thus one aspect of my research focuses on the ethical implications of biotechnology. We are living at the dawn of a new biotechnology age that, within the lifetime of today's undergraduates, will transform the way we live (for better or worse) in fundamental ways. What could be more practical than to try to prepare students for such change?

Genetic report card

Consider just the tip of the biotechnology iceberg — genetic testing. Every day, scientists announce the discovery of a new gene for some disease — though what it means to talk about "genes for" disease is a very complex issue. In any event, once a gene has been discovered, it is a relatively simple matter to develop a test that can screen for it. Several companies are already developing prototype tests that can mere information be harmful? Several complications immediately arise, however. For one thing, genetic tests are unlike other medical tests in that they reveal information not only about you but about your whole family. If I test positive for a heritable form of cancer, it is likely that my brother will have the same gene(s). If he does not wish to know this — say, because there is no effective treatment — do I have a right to the test knowing it will reveal information about my brother that he does not want to have? On what if the test accurately reveals the presence of a gene, but we do not yet understand fully how the gene affects my prognosis (a common situation for new tests)? Do I have a right to information of uncertain quality that may cause me to worry or even undergo preventative care — an enormous benefit to society.

A mother who discovers her six-year-old son has several genes for heart disease, for example, can take extra care to teach him the value of a low-fat diet. Later on, his physician might monitor his cardiac system carefully and treat early warning signs such as high cholesterol aggressively. This technology may facilitate a fundamental shift in medicine away from treatment and toward preventative care — an enormous benefit to society.

Whose right is it anyway?

On the other hand, widespread genetic testing also raises some very disturbing questions such as:

- "Who should have access to genetic information and under what circumstances?"
- "Who owns the genetic information produced by the tests?"
- "Should individuals be able to get any genetic test they desire?"
- "How do we keep genetic testing from slipping into eugenics (‘improving’ offspring by controlling hereditary factors):"n
It is tempting to answer these questions quickly and intuitively, but such an approach can get us into trouble. For example, people often say that genetic information should be kept strictly confidential. Insurance companies argue, however, that this puts them in an impossible situation. People who discover they will likely contract a virulent heritable form of cancer can buy enormous insurance policies. The insurance company, not having access to the genetic information, will be unable to compensate for the increased risk with higher premiums and thus will lose a fortune on such claims. We might not care about the profitability of insurance companies in the abstract, but we would care a great deal if the entire industry shut down.

Similarly, we might start with the thought that individuals should be able to get any genetic tests they desire. After all, how can more information be harmful? Several complications immediately arise, however. For one thing, genetic tests are unlike other medical tests in that they reveal information not only about you but about your whole family. If I test positive for a heritable form of cancer, it is likely that my brother will have the same gene(s). If he does not wish to know this — say, because there is no effective treatment — do I have a right to the text knowing it will reveal information about my brother that he does not want to have? On what if the test accurately reveals the presence of a gene, but we do not yet understand fully how the gene affects my prognosis (a common situation for new tests)? Do I have a right to information of uncertain quality that may cause me to worry or even undergo preventative care — an enormous benefit to society.

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The ability to think critically and formulate thoughtful ethical judgments is an essential facet of what it means to be an educated person. Fostering these skills is also an explicit part of the University's mission.

Therefore, Clemson has begun an ambitious project — the Robert J. Rutland Center for Ethics — to raise awareness of ethical issues and aid the development of ethical reasoning, not just for Clemson students but for the entire community. It's already off to an excellent start thanks to the generous financial support of Robert J. Rutland '64 and the leadership of interim director Daniel Wueste. Philosophy professor Steven Sutton and I are serving as fellows of the center.

Two very successful summer seminars for faculty and community members have already been conducted in order to provide teachers with the tools they need to integrate ethical discussion into their own teaching. Workshops along similar lines have also been held or are being planned in conjunction with the Office of Teaching Effectiveness and Innovation as well as Sigma Xi, the national science and engineering honor society.

Another donor, Stephan Burton ‘72, has endowed an annual ethics essay competition in honor of his father, J.T. Burton Jr. ’50. This fall, we will have the first Burton essay competition in conjunction with a series of events planned for President Jim Barker’s colloquium on “Science and Values: New Frontiers, Perennial Questions.” (This essay topic will be human cloning.)

Other projects in the works are linking ethics education with service learning in high schools, training scientists in the ethical practice of science (soon to be required by the National Institutes of Health), conducting a series of seminars designed for professionals in various areas including architecture, health care, law, engineering and others, and hosting the 2003 meeting of the Society for Ethics Across the Curriculum.

As Socrates recognized long ago, one must examine one’s own beliefs and attitudes, especially about ethical matters. This is not a one-time thing, of course; it is the project of a lifetime. Helping students acquire what they need to carry out this project is a central part of Clemson’s mission. Embracing this goal and promoting ethics across the campus and the community, the Rutland Center for Ethics will enrich the Clemson experience as it joins in the effort to make Clemson a top-20 public university.

For more information, contact philosophy professor Kelly Smith at kcs@clmson.edu or 864-656-5366, or Daniel Wueste, interim director of the Rutland Center, at erwueste@clmson.edu or 864-656-5379.
The next time you're in Clemson, you might want to visit and say thanks to some dear old friends.

Tillman Hall ... Bowman Field ... Death Valley ... Just the mention of these special places brings to mind vivid images and enduring memories for generations of Clemson people. Even newcomers to the University, whether in person or through a Web site or television broadcast, readily identify the campus with these easily recognized landmarks. Such beloved places that have been witness to so much studying and marching and competing through the years are fitting symbols for Clemson. But there's another site on Clemson's campus perhaps even more defining. It is a quiet place where rich history is steeped into the soil, a wooded knoll that keeps watch over the evolution of Thomas Green Clemson's dream, a sacred ground where many of those who have given themselves and their names to this institution have been laid to rest. That place, tucked in among the trees behind Memorial Stadium, is known as Cemetery Hill.

Its official name is "The Woodland Cemetery," a title adopted by the Board of Trustees in July of 1924. The Board had been approached about a faculty cemetery two years earlier by Clemson's president Walter Merritt Riggs. Riggs came to Clemson Agricultural College in 1896 as an assistant professor of mechanical and electrical engineering. It didn't take him long to develop a fierce loyalty to the school of which he would be named acting president in 1910 and confirmed as president in 1911.

President Riggs expected a similar loyalty from the faculty and administrators of the College, and in 1922, he sought to recognize their service by creating a faculty cemetery for those "who may desire to avail themselves of the privilege." With the Board's endorsement, Riggs appointed a committee to study the proposal and recommend a suitable location. The committee reported that "the best available location is what is now known as 'Cemetery Hill' adjacent to the Tillman plot." Of course, the Tillman Cemetery with its lofty perch above the Seneca River had been around much longer than the school itself. John C. Calhoun had acquired the lands for his plantation in 1825 with the purchase of Clergy Hall, the former parsonage of the Old Stone Church. He named his plantation Fort Hill in honor of the Indian Battle of Fort Toulouse that had been erected nearby in 1785.

In 1837, 12 years after taking up residence at Fort Hill, the Calhouns suffered their first death on the peaceful upcountry plantation. Young John C. Littlejohn could easily serve as a collective epitaph for all those who have earned their spot: "His monuments live about you." Since J.C. Littlejohn's death, nearly 100 plots have been assigned within the fence that surrounds Cemetery Hill, most of them occupied, but some still awaiting owners who have not yet finished their service to the University. Names dear to Clemson — Sikes, Poole, Howard, Fike and Bradley — are among those that mark the landscape on Cemetery Hill. The words on the headstone of J.C. Littlejohn could easily serve as a fitting tribute for their service, an eternal vantage point from which they can watch over the students and the school they loved so dearly. It is sacred ground indeed.

In the many years since John C. Calhoun first laid his grandson to rest on the grounds of his plantation, Cemetery Hill has been relatively isolated from the growth and change that have enveloped the rest of the campus lands. Many additional graves have been dug and new markers have been erected, but the essential character of the place described by President J. B. Barker as a "quiet room" has not been violated. The only real changes in Board policy regarding the cemetery over the years have been to increase to 10 years the minimum time for a plot to be vacated by the family, and to remove a square Flourance described as "the most appropriate and impressive burial in South Carolina since the funeral of Wade Hampton." Fortunately for Clemson, the legacy of Walter Merritt Riggs did not die with him, and his contributions to the school are still as evident today as they were in 1924.

A list of those contributions might include the football program, the men's glee club, the student affairs office, the publicity department, the architectural school and most importantly, a previously unknown strength and authority in the office of president. And of course, there's also the cemetery. Since President Riggs' death, nearly 100 plots have been assigned within the fence that surrounds Cemetery Hill, most of them occupied, but some still awaiting owners who have not yet finished their service to the University. Names dear to Clemson — Sikes, Poole, Howard, Fike and Bradley — are among those that mark the landscape on Cemetery Hill. The words on the headstone of J.C. Littlejohn could easily serve as a collective epitaph for all those who have earned their spot: "His monuments live about you."

Since the Woodland Cemetery is a treasure, perhaps unparalleled among public colleges, concentrating so much of the legend and legacy of the men and women who have served to make the institution great.

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Clemson World readers are urged to share any historical information that you may have about the cemetery, especially concerning the relationships among and contributions of the individuals who are buried there. Not only will this information prove invaluable to the institutional history of the University, but it will also help develop a unique way to tell the Clemson story through the voices of those buried at the cemetery.

If you would like more details about the cemetery project, or if you have any information to share, please contact one of the committee members listed below. And the next time you're in Clemson, you might take a few moments to visit some dear old friends on Cemetery Hill.

The Woodland Cemetery Stewardship Committee
Jim Hendrix '98, chairman
(hendrixj@ alum. clemson.edu)
W. B. Brasington '80 (864-678-3146)
Matt Dunbar '99 (437-973-5323)
(ignayt@alumni.clemson.edu)
Bobby McCormick '72, M. J. 74, BB&T Scholar (864-656-4444)
Don McKele, Class of 41 Memorial Professor of the Humanities (864-656-5167)
Gerald Vander Mey, Campus Master Planner (864-656-5191)
Tom Wooten, Alumni Distinguished Professor (864-456-4860)
Sonya Goodman (ex-officio member), Facilities Support

Monetary support for the research and maintenance work is sorely needed at Cemetery Hill. Any gifts you wish to make can be sent to the Clemson Fund with a designation for the Woodland Cemetery Stewardship Fund.
Academics and athletics. These two aspects of college life rarely seem to overlap. Yet, as Thomas Green Clemson envisioned, both are vital parts of the Clemson experience — the rich traditions, the sense of family and community, the pride and the loyalty.

And One Clemson, a new private-giving initiative, recognizes this by unifying academics and athletics for a common purpose: to make Clemson a top-25 public university within the next decade. “One Clemson is tangible evidence that Clemson encourages excellence in mind, in body and by every standard by which great universities are judged,” says President Jim Barker. “No university is stronger than Clemson when academics and athletics are together. A united Clemson is unstoppable.”

The goal of this unique partnership is to raise $10 million. Sixty percent of the money goes to the Clemson Libraries. The other 40 percent supports the Athletic Heritage Center. Fifty percent of a gift may count toward the donor’s IPTAY cumulative giving record.

The idea behind One Clemson is that all areas of Clemson must work as one to become a top-25 public university. “As a father of a Clemson student and coach of the football team, I understand how important both academics and athletics are to a great university,” says Coach Tommy Bowden. “One Clemson shows that Clemson promotes excellence in all areas of student life, and I am proud to be supporting this unique partnership between athletics and the library.”

Staff members of Clemson’s academic and athletic family — including President Barker, Interim Provost Don Helms, Athletic Director Bobby Robinson, head football coach Tommy Bowden, men’s basketball head coach Larry Shyatt and women’s basketball head coach Jim Davis — have pledged leadership commitments. An anonymous donor has given an additional $250,000.

A Library Without Walls
Few institutions are as dramatically affected by the rapid changes in information technology as libraries, especially libraries at research universities. Once a primary stonehouse for printed materials, today’s libraries are much more. They must combine traditional books and journals with electronic information moving at the speed of cyberspace.

Dean of Libraries Joe Boykin explains, “Our libraries are here to help our students, faculty and staff accomplish their goals. We need to assure them that whatever information resources they need, we can provide within their time frame. The strategies for the library of the future are consider-ably different from those of the past.”

Financial support from One Clemson will help turn the Clemson Libraries into a library without walls. The Libraries will be able to provide access to databases, books, journals and primary research materials regardless of format. They will have the means to keep technology up-to-date — a critical need, especially for science and other technology-oriented disciplines that rely on electronic journals. They will collaborate with other universities, government agencies and industries to share access to library holdings. Staffing and services will become more flexible to meet the needs of this library of the future.

Simply put, as President Barker says, “A University can only be as strong as its library.”

The Athletic Heritage Center
One Clemson will also help fund the construction of the Athletic Heritage Center, an interactive museum showcasing Clemson traditions and athletes throughout the decades. One of the University’s 10-year goals is to win another national football championship, and Bowden considers the Athletic Heritage Center to be an essential building block in establishing the Tiger football program and its recruiting efforts as one of the nation’s elite.

Visitors will be able to see the Clemson athletic experience come alive through the latest interactive technology. Exhibits will celebrate athletes and the sports achievements throughout Clemson history, from the national champion football and soccer teams to the legendary figures like Coach Frank Howard. The facility will clearly demonstrate Clemson’s commitment to recruiting the best student athletes nationwide.

The Athletic Heritage Center will be located south of Jervey Gym on a hill near Clemson’s volleyball facility. In addition to its interactive museum, the center will house a new locker room, weight room, meeting rooms and coaches offices for the Tiger football program. Current cost estimates for the facility range between $10 million and $15 million. “I think when everyone has a chance to see what we are doing at the center, they’ll be excited about it,” says George Bennett ’55, executive director of IPTAY. “We really want this building to make a statement, not only because it’s going to be an athletic heritage center but also because it will be something that the entire University can use to its best advantage ... to tell the story of Clemson athletics.”

Financial support from One Clemson will help purchase the Athletic Heritage Center, which is expected to open in the fall of 2006. The building will thus be a part of the university’s Athletic Campus, which will include the Football Operations Center, the Indoor Practice Facility, the Tiger Athletics Hall of Fame and Fredrickson Field, the home of the Tiger men’s and women’s soccer teams.苍

You can make a secure online gift to One Clemson at www.clemson.edu/isupportcu or simply use the One Clemson envelope in this issue of Clemson World.
Nurse Jessica Garland ’01 returned to work on a recent spring day and everything was the same — yet everything was different.

She had begun working at Oconee Memorial Hospital in Seneca on the Monday following her high school graduation, and she continued working weekends during her time as a student at Clemson. The hospital’s terrain had become as familiar to Garland as a comfortable old shoe.

After last spring’s commencement exercises, however, she returned to work as a fresh graduate of the Clemson School of Nursing. Her new role as nurse provides Garland with all of the things she was seeking in a profession: a good income, a chance to help people and options — lots and lots of options. Every department within the hospital was recruiting Garland when she graduated in May.

The reason in two words: “nursing shortage.”

Other than being well-trained and having sound working experience, Garland is in demand because of a growing nursing shortage throughout America. Douglas Staiger, Dartmouth professor and co-author of a series of articles on the future of nursing, reports that we’re due for “a 400,000-nurse shortage in 20 years” (The New York Times, April 13, 2001).

According to Barbara Logan, director of Clemson’s School of Nursing, advances for women in the American workforce have led to challenges for nursing schools and the health care industry.

“Although our students are highly capable, fewer women in general elect to go into nursing,” says Logan. “They have more opportunities than they once did, and some of them are choosing other fields.” A few years ago, there was an oversupply of nurses.

The New York Times reports that we’re due for “a 400,000-nurse shortage in 20 years” (shortage throughout America. Douglas Staiger, Dartmouth professor and co-author of a series of articles on the future of nursing, in May.

“People and options — lots and lots of options. Every department within the hospital was recruiting Garland when she graduated in May. The reason in two words: “nursing shortage.”

Garland’s role in the management of human life. It takes someone committed to the art of caring.

According to Staiger, the vacancy of nurses who did not attend a traditional university. Most who enroll in the RNBS completion program were trained originally through courses offered at technical colleges. The Clemson program is offered through the University Center of Greenville and gives RNs a chance to earn a bachelor of science with a major in nursing.

The University Center has proved valuable for working nurses in the Greenville area. The program, taught by Clemson faculty members, is recognized as progressive, flexible and individualized, building on previous education and experience.

Whether a working nurse with an associate degree or a student fresh out of high school, Clemson students can earn a bachelor of science degree with major in nursing and go on to earn a master of science degree with a minor in gerontology.

After graduation, nursing students must pass the state licensing exam to become “registered.” In 1999-2000, Clemson baccalaureate graduates achieved a 100 percent pass rate. Master’s degree candidates concentrate on specialty areas from pediatric nursing to gerontology.

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For graduates, a nursing degree opens many avenues. Bachelor’s degree candidates learn a little of everything so they have some experience in all specialties. They put in clinical time at area hospitals each week, and during their final semester, they work eight hours daily for two to three days each week.

The good news

Starting salary for a registered nurse is between $30,000 and $35,000 annually and is increasing even as we write this. Bonuses are given for $12,000 to $16,000 make it even more lucrative.

Salaries can increase to around $50,000 to $60,000, depending on geographic region, within five years of experience. Nurse practitioners can expect an average of around $70,000.

Job placement for Clemson nursing graduates seeking work is 100 percent.

The bad news

The nursing shortage in South Carolina is acute. South Carolina ranks 42 out of 50 in the number of RNs per 1,000 in the population.

Half the licensed RNs practicing in South Carolina are from out of the state. Only 34 percent of S.C. registered nurses have a baccalaureate or higher degree as compared to 44 percent nationally.

Experts predict that by the year 2015, fewer than 6 percent of the nursing workforce will be under age 30 and 27 percent will be over age 55. (Older nurses have invaluable experience but are obviously much closer to retirement.)

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Master’s degree candidates concentrate on specialty areas from pediatric nursing to gerontology.

“It’s a very versatile profession,” says Logan. “And the money isn’t bad although a lot of us think it should be better.”

But the nursing professionals at Clemson agree that most students don’t go into the program specifically for the money. Few other professions are entrusted to protect something as precious as human life. It takes someone committed to the art and science of caring.

And knowing there’s a spot waiting for you is especially encouraging. Like Jessica Garland, the nearly 400 students currently enrolled in the Clemson undergraduate program will definitely be in demand when it’s time to find a job.

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Night Watch

by Liz Newall

Like a circle of cameras firing in sequence, alumnus Rick Clark has a unique view of Clemson. As a 2000 horticulture graduate, a current public administration graduate student and campus policeman, he sees the University through multiple lenses.

In the still and dark of night, he sees yet another Clemson, one he has captured for Clemson World readers in these pages (also on the cover and in Taps, p. 48) during his predawn watch.
The columns of Sikes Hall stand straight as they have for nearly a century while Tillman continues to measure time in the background. The “Six Degrees of Freedom” sculpture rises toward the light of the Fluor Daniel Engineering Innovation Building.
Sikes Hall and College Avenue await a new dawn.

The Cooper Library “floats” on the surface of the reflecting pool.

The bronze soldier of the Military Heritage Plaza casts a tall shadow in memory of all who marched on the sacred soil of Bowman Field.
Super!
New leader
Tigers in Greece
Alumni Master Teacher
Career choices
50 years and who’s counting!
Attention, Attorneys
College comeback
Passport to Greece
1820.0045
# CALENDAR

## September

**Sept. 3**  
Football vs. Central Florida

**Sept. 2**  
Women’s Soccer vs. Richmond

**Sept. 4**  
Women’s Soccer vs. Gardner-Webb

**Sept. 5**  
Men’s Soccer vs. Georgia State

**Sept. 7**  
First Friday Nature Walk, S.C. Botanical Garden, 7 a.m.

**Sept. 8**  
Volleyball vs. Wofford  
Family Nature Walk, S.C. Botanical Garden, 10 a.m.

**Sept. 9-8**  
Carolina Mountains Arabian Horse Show, Garrison Arena, 8 a.m.

**Sept. 10-14**  
Horse Show, Garrison Arena, 8 a.m.

**Sept. 12**  
Volleyball vs. South Carolina

**Sept. 13**  
American Chamber Players, Utahsyn, Brooks Center, 8 p.m.

**Sept. 14**  
Men’s Soccer vs. Duke

**Sept. 14-15**  
S.C. Tennessee Walking Horse Show, Garrison Arena, 6 p.m. Fri., 5 p.m. Sat.

**Sept. 15**  
Football vs. Duke

**Sept. 16**  
Women’s Soccer vs. Florida State

**Sept. 18**

## October

**Oct. 1**  
Enrico Trio, Utahsyn, Brooks Center, 8 p.m.

**Oct. 2**  
Women’s Soccer vs. South Carolina

**Oct. 2-6**

## November

**Nov. 2**  
Free Friday Nature Walk, S.C. Botanical Garden, 9 a.m.

**Nov. 3**  
Football vs. Florida State

**Nov. 4**  
Swimming and Diving vs. Florida State

**Nov. 6**  
Swimming and Diving vs. University of Florida

**Nov. 10**  
Football at Maryland Away-game Headquarters, Marriott-Greenville, Greer, S.C.  
Academy Home Show, Garrison Arena, 9 a.m.

**Nov. 11-19**

**Nov. 12**  
Choral Homecoming  
CUET/IHSA Horse Show, Garrison Arena, 8 p.m.

**Nov. 15**  
Swimming and Diving vs. University of Florida

**Nov. 19**  
Clemson University Choral Ensembles, Brooks Center, 8 p.m.

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<th>Event Description</th>
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<td>Pregame Open House</td>
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Meet the new leaders

Student body president Gary Kirby and vice president Brittany Wright have big plans for Clemson students in the new school year. Gary, a political science and economics major from Greenville, traces his Clemson roots back to his grandfather O.B. Garrison ’39.

Brittany, a language and international trade major also from Greenville, also traces her Clemson connections back several generations. But these new leaders are ready to make a name for their own generation of Clemson students.

To learn more about Clemson University Student Government and current projects, visit the Web at www.clemson.edu.

‘Nobel’ students

Clemson physics graduate student Amy Pope of Seneca was in an elite group of 31 outstanding research participants chosen by the Department of Energy (DOE) to attend the 51st convention of Nobel Laureates in Lindau, Germany, in June. The participants were selected from among researchers working at universities, national laboratories or other federal facilities funded by DOE.

Amy’s work, earning her selection, is the investigation of thermal and electrical transport properties of quasicrystalline materials.

Nobel Laureates in chemistry, physics, or physiology and medicine convene annually in Lindau to have open and informal meetings with students and young researchers from around the world, a tradition established in 1951 by Swedish patron, Count Linnart Bernadotte.

Pictured: Clemson student Amy Pope and fellow convention participant Matt Wincener take a mental break to brush up on their waltz steps.

New ‘Old Mill Bridge’

Students and guests test the new Old Mill Bridge constructed by professor Kurt Michael’s technology and human resource development class in the S.C. Botanical Garden.

These education students did everything from finding funds, to surveying and calculating beam loads. The service learning project was supported with grants from the garden and the National Dropout Prevention Center.

Tigers in Texas

Before coming to Clemson, English professor Michelle H. Martin established an annual conference — African America 2000 — at Stephen F. Austin State University in Nacogdoches, Texas. The event celebrates the culture and presents educational programs on different aspects of African American life.

In April, Martin and several Clemson students traveled to Stephen F. Austin State to take part in the 2001 event — An African American Studies Conference, as presenters.

Pictured (from left) are architecture graduate student Mark Palmer, English major Keyonna Baker, professor Martin, English education major Janice Byrd and language and international trade major Allison Reaves. They returned to Clemson with the goal of bringing the conference to campus within the next few years.

Excellent taste!

These students are going the “extra mile” for Mama Mary’s Gourmet Pizza Crust, Spartan Foods of America Inc. They are taste-testing for the company’s nationwide pizza recipe contest.

Clemson’s food science and human nutrition department has an active sensory evaluation program to test the quality of food products and to work with food companies to research and develop new and tastier foods for the consumer.

Pictured (from left) are Holiday Durham, May 2001 graduate and current intern in nutrition dietetics at Vanderbilt; Brad Osterhout, graduate student and national milk-tasting champion; and Carrie Gumbie, a senior who’ll represent Clemson in national competition this fall.

Both Holiday and Carrie are Mama Mary’s Scholarship recipients. Brad is leading food science’s effort to bring back the manufacture of Clemson ice cream, and he’s working on some new “top secret” flavors.

Job placement for Clemson’s food science graduates is over 95 percent, and the average starting salary is $40,000. For more information go to www.clemson.edu/foodscience.

Clemson’s Calhoun Honors College congratulates the University’s latest National Science Foundation Fellows: Miranda M. Baladi, Rebecca K. Jelen, Amanda C. Lattam, Robert M. MacMee- can, Matthew J. Miller and Sarah E. Mongeau. The fellowships are three-year awards for postgraduate study leading to research-based advanced degrees in science, mathematics and engineering. They include a $17,000 stipend plus a cost-of-education allowance of $10,500 per year.
Marvin is renowned for creating designs that celebrate the unique past. He is also known for his leadership in the field of environmental consulting. His work in preserving history is recognized through the “Pennyhill” plan. Marvin is one of the region’s fastest-growing companies, as noted by the Annual Fast-50 Awards ceremony, which recognized him at the 12th state of the year for his work in environmental consulting.

Jack A. McKenzie (PVSC) of Clemson was re-elected to the national board of the American Planning Association in 2001.

Elizabeth City atop the museum map. It will continue to feature the history of the 13-county region, but with a new auditorium, open-air porch and museum green where history can come to life in performances, reenactments and interactive displays.

Edward A. Merrell Jr. M ’74

When the new $14 million Museum of Albermarle opens in Elizabeth City, N.C., next year, Clemson alumnus and head of the museum Ed Merrell will be there to bring the past to life.

Merrell — pictured (left) with two museum supporters — has nearly three decades of experience in preserving history. He’s worked in Georgia, Michigan, Minnesota, Mississippi and Virginia. But he credits his realization of the importance of history to his Clemson experience and Jess Grove, professor of parks, recreation and tourism management.

“My career path changed in grad school when I took environmental interpretation taught by professor Jess Grove,” says Merrell. “I discovered that what you learn in class can be brought to life in a museum.” Merrell went on to teach at Clemson several years until museum work and historic sites became his classroom.

Merrell expects the new Museum of Albermarle, set to open in the fall of 2002, to put Elizabeth City atop the museum map. It will continue to feature the history of the 13-county region, but with a new auditorium, open-air porch and museum green where history can come to life in performances, reenactments and interactive displays.
Beach boys
Mike Smith ’81 and Thomas W. Davis Jr. ’84
At Clemson, Mike Smith (left) studied architecture and engineering, and Thomas Davis studied marketing and business. But it was after their Clemson days that their love of the beach brought them together as friends, and their interest in art brought them together as business partners.

As artists and co-owners of Collector’s Café in Myrtle Beach, Smith and Davis have made it their business to deliver fine cuisine and equally fine art to locals and tourists alike. Davis’ background in marketing kept him from going the “starving artist” route. And Smith’s architecture and engineering background helped them design and build the cafe.

The art includes paintings, pen-and-ink drawings, mosaics, photography and sculpture. Exhibitors are national artists as well as local favorites, including Davis and Smith. Collector’s Café has earned a Beach Image Award from the Chamber of Commerce, several of the Town Awards and mention in The Chicago Tribune and The Washington Post.

1978
Rick M. Clinton (PREACH) of Hilton Head Island received two Best of Living Awards sponsored by Professional Builder and the National Association of Homebuilders. John J. “Jack” Schram (PREACH, ’81 ME) of Highland Ranch, Colo., is a systems test engineer manager at Lockheed Martin Aeronautics Company in Denver.

1980
Elizabeth Betha Fuller (ORTH) of Lancaster is Outstanding Employee for the Division of Support Services for the SC Department of Mental Health.

1982
Robert J. Conrad (HIST) of Charlotte, N.C., has been appointed by U.S. Attorney General John Ashcroft as interim U.S. Attorney for the Western District of North Carolina. He has served as the chief criminal of the U.S. Attorney’s office for the district since 1992 and as the head of the department’s campaign financing task force since January 2001.

Shawn Byars Sledge (HORT) since January 2000. Davis has served as the criminal chief of the U.S. Attorney for the Western District of North Carolina. He has served as the director of facilities at the Portsmout

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1987
Dave P. Anderson (ADMMGT) of Roscoe, Va., is vice president of Dominion Lodging Hotels.

Richard F. Byrnes (CE) of U.S. N.S. is currently the associate director of the facilities at the Portsmouth Naval Medical Center. He and his family are moving to Bosier City, La. Emily Greer (ME) is married and living in Hoboken, N.J. She is the director of corporate foundations and faculty initiatives at the Stevens Institute of Technology. Jani L. McCracken (CE) of Doylestown, Pa., has taken command of Detachment 3, United States Marine Corps Reserve.

1988
Thomas W. Davis Jr. ’84 (BLLD, M ‘92) of Hilton Head Island received two national awards and mention in the South Carolina Business Review — “Heads Above the Rest!” — for company advancement at Glenville State College.

Jan Lazar Tevis (COMPS) is married and living in Greenville.

Carla Duncan Brewer (CE) of Wharton, Texas, is working as an assistant professor of English at the University of The Incarnate Word. She is an educational consultant with the Computer Sciences Corporation in Atlanta.

Dave P. Andersen (ADMMGT) of Dayton, Ohio, is an attorney, published a legal treatise, Drug Legislation in South Carolina, and is currently writing a novel. Jason G. Pike (AGED) of Boiling Springs, S.C., is a graduate student in the U.S. Army Medical Department.

1991
Sheila Bha Cowden (M ENGL) of Pinnington Gap, Va., is an acting instructor of English at the University of Virginia. Michael R. McClellan (CE) of Virginia Beach, Va., is in association with Graham, Smith and Partners in Albemarle. L. Allison Foster (PSYCH) of Greenville is a physician with Palmetto Health at Prisma Health in Taylors. Tammy Partridge McCredo (MURS) of Wilmington is teaching at Greenville Technical College.

Robert M. Thomas (POSC) of Fuquay, N.C., is vice president for college advancement at Glenville State College.

Jennifer Manley (PREPARH) and George R. “Cale” (“DESIGN”) are married and living in Deland, Fla. and is a digital special effects artist for George Lucas’ Industrial Light & Magic.

1992
Clay T. Addison (BLDSC, M ’85) of Charlotte, N.C., is a director of construction at Belk Inc.

Tazirhe Ostrov Hartrego (MGT) of Savannah, Ga., is in practice with his husband at Historic Health Center, specializing in natural health care.

Dan C. Delany (BLLD) of Rolling Ridge, S.C., has served as an attorney for the National Academy of Sciences. The committee is responsible for reviewing and evaluating alternative technologies for the demilitarization of assembled chemical weapons.

David P. Anderson (ADMMGT) of Roscoe, Va., is vice president of Dominion Lodging Hotels.

Judith Silverman Benedict (PSYCH) of Pensacola is a school psychologist with the National Association of School Psychologists. She is married and living in Central, Va.

Caroline Wright (ME) is married and living in Greenville. Chase Carr (DEC) is president of Carolina Construction, Inc. Al Green (ME, J. Wayne Merck (POSC) of Winchester, Va., is vice president of government and political affairs for the National Association of Homebuilders. William L. Spurgeon (ECON) and Susan L. Goodwin (NURS) of Belton teaches intermutes business.

Carolyn McCulloch (ECON) of Dayton, Ohio, an attorney, published a legal treatise, Drug Legislation in South Carolina, and is currently writing a novel. Jason G. Pike (AGED) of Boiling Springs, S.C., is a graduate student in the U.S. Army Medical Department.

James E. Swan IV (ACCT) of Columbus is with the innovation group at SCANA Corp.

Richard D. Bailey (INDE) of Raleigh, N.C., is regional manager of the University of South Carolina-Landmark Company’s home care program for Virginia, Maryland, Delaware and the District of Columbia.

Franklin S. Kurtz (CE) of Wheston, Ill., is chief engineer for Construction magazine, a publication of Hanley Wood, LLC. Stan J. Watson (POSC) of Charleston, Va., is assistant professor of government at Patrick Henry College in Paracelville.

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J. Mason Wells ’90

Musician Mason Wells of Columbia is combining his Clemson marketing education with his natural talents. In June, he debuted his first CD — Travis Mac Lonesome — a reminiscent blend of hot-roots country and Southern-flavored rock.

For more information, visit www.masonwells.org or your local music store.

Rudy V. Rowell ’91 and Regina F. Moore ’93

As a regional post management coordinator for the S.C. Army National Guard, Tommy McCoy Kolody (AFRQWF, M ’99) of Daphne, Ala., is a wildlife biologist for the Forest Resources Gulf Coast Area for International Paper. Kathy Dalyn Shand (MKTG) is married and living in Atlanta, Ga. She is a project manager for The Coca-Cola Company. Jennifer Harnett Smith (EC’98) is married and living in Anderson. She is the director of the child-care center at Tin-City Technical College in Pendleton. Brian G. Toth (CE, M ’95) of Stile Lake City, Utah, is working on the Legacy Parkway Development Project for Floor Corp. Katy Graham (EC’98) and Rob B. (’99) MCGOGAN Tomlinson are married and living in Spartanburg, S.C. She is an early childhood teacher, and he is a captain in the U.S. Marine Corps.

1994

Kimberly Hannah (MTG) and Wally Alan (ME) Buchler are living in Simpsonville. She is a 41K processor for Hunt Dupree Rhine & Associates. He is a group leader for Robert Bosch Corp. James C. Carter (MATH) of Murphy, N.C., is editor of the national publishing newspaper/magazine Mold Design. Mark A. Dickenson (CRE) is married and living in McKinney, Texas. He is the West region sales engineer for Basic Machinery Company. Miriam Friedi- man Gibson (MTG) is married and living in Canton, Ga. Tony Gene Gillespie Jr. (ACCT) of Lyn- mond was accepted into UF-UF with an education from Converse College. He is a math teacher and football coach at Poinsett High School. Gina Phillips Jolley (MTG) is married and living in Gainesville. She is in the accounting department of Southern Loom Milling, Inc. Allison Kilgore (SDDN) and David G. (MTG, M ’99) RUSSEL Mnorkrt are married and living in Greenville. David is a production supervisor at Sealed Air Cryovac Division. Sidney D. Paele (BIOLSC) of Indianapolis, Ind., received her MBA in finance from Webster University. He is a human resources consultant with Rella Royle North American and was the recipient of the “Move the Needle” award for continuous improvement cost savings efforts for the company. Robin Atkins Pucciarella (MATH) of Murphy, N.C., is married and living in Carrboro. She is a regional pest management coordinator for the S.C. Army National Guard. Robert Ray Bailey (MATH) of Ninety Six, S.C., is a regional sales engineer for Basic Machinery Company. Robin Atkins Pucciarella (MATH) of Murphy, N.C., is married and living in Carrboro. She is a regional pest management coordinator for the S.C. Army National Guard. Robert Ray Bailey (MATH) of Ninety Six, S.C., is a regional sales engineer for Basic Machinery Company.

1995

Robert Hall Bailey (HLITSC) of Huntsville, N.C., is a medical safety consultant with Verizon International in Charlotte. Jennifer Elliott Butler (MIM) is married and living in Malvern Park, N.C. Kelly W. (’96) of Singapore received a Ph.D. in English from the University of Florida. He is an assistant professor in writing and critical thinking in the scholors program at the National University of Singa- pore. Bradford R. (BUSMGT) and Tara Zappi (’96 SPEECD) are married and living in Stafford, Va. Brian R. Dotson (DESIGN) of Lyman has joined the Pendergrass Smith Group, an architectural firm in Greenville. Timothy L. (MIF) and Allyson Primrose (’96 ELED) (Gwinn) are living in New York. Allyson is an engineer with Capegail, a division of Fluor in Greenwood. John Alan Thorp Jr. (PRTM, M ’98 USCNL01D) of Baking

Southern Connector

Joan L. Peters ’97

When the Greenville Southern Connector Toll Road opened earlier this year, no one was prouder than alma mater Joan Peters. Peters was executive director for the Connector and the design engineer, working with the developer, for construction of the $200 million, 16.5-mile stretch of highway.

Getting a later start on her degree at Clemson than the traditional student, Peters says, “My focus and energy were directed at completing my studies. What I lacked in the straight-A department, I made up for in determination. I would not be denied a degree in civil engineering. It was my dream, and regardless of the sacrifice I earned that degree.”

Now the owner of J. Peters and Associates in Greenville, she has contracts with Fluor Daniel to manage utility construction for 26 state road projects in the Upstate. “I cherish my days at Clemson,” says Peters. “I hope the engineering college continues to diversify so that others can benefit from the wonderful experience that is known as going to Clemson.”

Sisters

A management graduate, Rowell is a quality control analyst with Washington Mutual. Moore, who earned a history degree at Clemson, completed medical school at the Medical College of Ohio at Toledo. She’s currently working as a licensed professional engineer, is a project manager for Clemson & Associates Inc., owned by Allen Boyd Ward (WYCE, M ’92 ESE). Darren R. (DESIGN) and Joy Kirby (’97 DESIGN) are living in Pella, Iowa. Darren is a design architect for Pella Corp. B. Kelly McCormick (NURS) is...
USC Tigers

These Clemson alumni are members of the University of South Carolina’s School of Law Class of 2001. From physics to forestry, education to engineering, marketing to microbiology, their undergraduate degrees represent all five of Clemson’s academic colleges.

Pictured: (front row, from left) Melanie Galbavy ’98 and Bright Ariadne ’81; second row, Anthony Strith ’98, Laura Johnson ’97 and Jennifer Jordan ’97; third row, Mike Dinhdai ’96, Pete Baltzhurst ’94, Justin Werner ’97, Allison Erfin ’96, Kristin Winn ’97, Meredith McRae ’97 and Heather Oakley ’97; fourth row, Jim Scott ’94, James Clleris ’93, M ’96, James Hedgepath ’94, M ’96 and Jim Barnes ’98. Not pictured are Chip Beverly ’97, Wade Cooper ’97, Shannon Phillips ’93, Harrison Rushton ’96 and Paul Timmerman ’97.

1998
Eric Christopher (SCT-ES) and Amy Karen (ECFN) Bunder are married and living in Charleston, S.C. He is a law student at the University of South Carolina and she is a paralegal at the firm of Breslin & Breslin.

Kathleen Miller Vinson (ELED) of Greenville is married and living in Greenville, S.C. She is an elementary school music teacher.

1999
Krisy McDermott (VIST-TR) and R. Glenn (FIMTMT) Adair are married and living in Greenville. She is a graphic artist for The Greenville News and he is an administrative assistant at the University of South Carolina. She is pursuing a master’s degree in educational leadership.

Saving Slovakia

Patrick J. Holladay ’98

Aquaculture, fisheries and wildlife graduate Patrick Holladay of Hopewell, Va., is in Slovakia as a Peace Corps volunteer, assisting with environmental work and development. He works in the Zahorie Protected Landscape Area, the first large-scale area in Slovakia designed to protect lowlands and ecosystems.

Holladay is helping with territory and habitat mapping and bird and bat studies. He’s also designing and building a Web page, to be published in English, Slovak and German, that will help place new layers into Slovakia’s Geographic Information System.

As a secondary project, he’s planning environmental education classes for elementary and middle school children and English conversation classes for high school students. He will serve in the Peace Corps until July 2002.

For advice on a lifelong career to professional development, call our expert, Clemson Alumni Career Services Director Terrell Daniels, at 864-656-2345, email cec@life.clemson.edu or visit on the Web at alumni.clemson.edu/careers.

Functions

1. Career guide
2. Salary information
3. Networking opportunities
4. Jobs listings
5. Employers

For more Clemson babies, go to alumni.clemson.edu and click on “photo.”

Cindy Jo Owen Cox ’81, a daughter, Leigh Ann, Nov. 19, 1999.
Kathleen Miller Vinson ’81, a daughter, Rachel Lynn, Dec. 12, 2000.
We'd like to hear from you!

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Classes

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Classes

Fred K. Guest ’46, Travelers Rest
W.M. “Red” Ashley ’49, Anderson
William T. Fraser Jr. ’49, Greenville
James W. Ragsdale ’49, Easley
Andrew J. Alexander ’42, Anderson
Oliveer A. Myers ’42, Columbia
Bert B. Knight Jr. ’43, Greenville
David E. Stoudemire Sr. ’43, Lone Star
James Ward Free ’44, Florence
Harry G. Boynton Jr. ’45, Florence
Arthur C. Dorsey Jr. ’46, Greenville

Français reunion

Classemates Jim T. Shirley ’53 (left) of Les Bordes, France, and Dan M. Carmichael ’53, M ’60 of Chapel Hill, N.C., met in the Loire Valley of France for the first time since their senior year at Clemson. They’re pictured at a golf course that Shirley built and operated until he began construction on another course nearby. Carmichael, owner of Black Palm Golf Club in Chapel Hill, was on a bicycle tour of the Loire Valley when the two alumni took time to catch up on the past 48 years.

Glacial Tigers

Alumni P. Zack (left) and Kimberly Clark Fulmer ’97 of Orlando, Fla., and Matt R. Dunbar ’99 of Kingsport, Tenn., share common ground in New Zealand — make that common ice — at the Franz Joseph Glacier. The Fulmers were on a two-month world tour. Dunbar joined them for two weeks of adventure.

Distinguished Service Nominations

Nominations for the Clemson Alumni Association’s highest honor — the Distinguished Service Award — are due October 29, 2001.

The Alumni Association honors up to five outstanding alumni in recognition of service to their profession, the University and their community. The awards are presented during the annual Clemson Reunion.

Take the time to nominate someone you know who is worthy of this award. You can help ensure the best possible pool of candidates each year. (A candidate’s nomination is valid for three years.)

To nominate an outstanding alumnus, please call the Alumni Office at 864-656-2345; fax at 864-656-0713; email lrobbin@clemson.edu or write Clemson Alumni Association, 109 Daniel Drive, Clemson, SC 29631-3006, for an official nomination form and criteria for selection. You can also find guidelines and the nomination form (to print out) on the Web at alumni.clemson.edu.

‘Wasserfall’

Microbiology alumnus Benjamin A. Dunn II ’92 of Columbia, and his father, B. Allen Dunn, director of Clemson’s School of Natural Resources, stand in front of Triberg Wasserfall, Germany’s longest waterfall. The two were on a trip through Germany’s Black Forest last April.

Richard F. Harlow ’91, Clemson
Betsy Alice York ’94, Rock Hill
Richard Axel Gillis ’02, Anderson
Joshua Lee Nichols ’02, Seneca

In the previous issue’s ‘Passings,’ Joe Edd Murphree ’49 of Walhalla should have been listed instead of Wilma Smith Murphree M ’69. We regret the error.

Address Changed?

You can call it in directly to 1-800-313-6517 or fax 864-656-1692.

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Splendor in the grass

USA Today's June 27, 2001, story on the art of grass design in big league ballparks opens with Clemson alumnus Luke F. Yoder '94. Yoder is head groundskeeper for the Pittsburgh Pirates.

His artistic claim to fame is the "Vortex," a rich green field of light and dark swirls emanating from a common center, a pattern he perfected while working in the minor leagues. The horticulture graduate attributes much of his knowledge to working at the University's turf plot with professor Anthony Mazur in addition to his studies.

Clemson has become a family tradition for the Yoders. Luke's brother T.R. is a 1998 accounting graduate (M '99), brother David is a 2001 biological sciences major, and sister Hope is an incoming freshman.

Front and center

The Guidance Channel’s Web site, GuidanceChannel.com, carries an in-depth interview (June 2001) with Marty Duckenfield of the National Dropout Prevention Center at Clemson on the potential of service learning in working at-risk youth.

The one-of-a-kind national center serves as a clearinghouse for training, technical assistance, publications and network all for the purpose of keeping children in at-risk situations from losing their main hope of success, an education and a positive link with community.

For more information about the center, its services and events, visit www.dropoutprevention.org on the Web, email ndpc@clemson.edu or call 864-656-2599.

Foiling a purse-snatcher

Professor Gerald Lovedahl of Clemson’s College of Health, Education and Human Development made headlines in Mirmachi, New Brunswick, Canada, earlier this year when he chased down a purse-snatcher.

Lovedahl was on sabbatical at NBCC Mirmachi, part of the New Brunswick Community College Network, to do research and to help the college find funding opportunities for its distributive learning center.

En route to an afternoon meeting downtown, the professor was summoned by a woman shouting, "Stop him! He took my purse!" He and another man from Mirmachi bolted in pursuit of the thief, an adventure that at one point briefly left them stuck in a snow bank but resulted in the arrest of the thief and recovery of the purse.

‘Flowers, fossils and cool rocks’

Southern Living’s "Clemson’s Gems” (July 2001) spotlights the University’s Bob Campbell Geology Museum and the surrounding S.C. Botanical Garden as great tour destinations.

The museum showcases fluorescent minerals, plant and animal fossils, meteorites, stone carvings, gems, the largest topaz crystal ever found in this country and much more.

Special exhibits during September are "Amazing Minerals," "Minerals: To Your Health," and "Alabama Fossils: Where a Field Trip Can Take You."

The S.C. Botanical Garden at Clemson, 270 acres of woodlands, meadows and streams, is open year-round. It’s home to an internationally known nature-based sculpture collection. For information about the Bob Campbell Geology Museum, call 864-656-4600. For garden information, call 864-656-3405.

‘Teen Culture’

If you can remember being a teenager or if you have one or more of your own right now, English professor Lucy Rollin has a book for you — Twentieth Century Teen Culture by the Dodgers. Her book was honored nationally last year by the Library Journal as one of the best reference books of the previous year. Rollin is widely known for her expertise in children’s and adolescent literature.

‘Sync or swim’

Clemson’s concrete canoe team was back in the news this spring with stories carried by AP and Copley News Service, picked up as far away as the San Diego Union-Tribune.

The two-time national champs and always-in-contention Tigers traveled extensively and photographed wildlife from whales to grizzly bears, despite having primary lateral sclerosis. To see his work on the Web or to learn about accessible sites for photographers with physical challenges, go to www.4tenu.com.

‘Promoting the Best’

Marketing graduate and entertainment industry personality Nancy Humphries O’Dell ’90 left Beverly Hills, Calif., for Washington, D.C., to help promote the National Healthy Mothers, Healthy Babies Coalition in May.

O’Dell, cohort of the syndicated entertainment news show “Access Hollywood,” hosted the coalition’s awards ceremony — “Promoting the Best from the Beginning.” The event recognized outstanding individuals, companies and organizations working to assure that all babies are born healthy.

In addition to “Access Hollywood,” the Myrtle Beach native makes frequent cameo appearances on other television shows. She still finds time to support the National Healthy Mothers, Healthy Babies Coalition efforts and to pose with a lucky tiger.

On the ’Today Show’

Clemson alumnus Frank Wise ’76, M ’79 of Seneca had the opportunity of a lifetime earlier this year when he met the person who saved his life through a bone-marrow transplant. Their meeting in Wise’s home was recorded by NBC and broadcast on the “Today Show” in May.

Wise, former director of the Anderson/Oconee Council on Aging, was diagnosed with leukemia in 1999 and later that year received a bone-marrow transplant from Rev. Donald Knott of Ohio. With the help of his wife, Rosemary, also a Clemson graduate (’89, M ’93), Wise continues to recover.

Capturing the attention of the national media is the fact that Wise is African American and Knott is white, and as a result, compatible cells are unusual. Both men welcome the opportunity to encourage people to be a part of the National Marrow Donor Registry and to show that the gift of life is universal.

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**Abney Scholars**

The Abney Foundation Scholars Program, begun in 1975, supports unrestricted University-wide scholarships for S.C. residents. During the 2000-2001 academic year, 120 students benefited from the foundation’s commitment to helping students attain their dreams of a Clemson diploma.

Abney Scholarship recipients, pictured here, gathered in April to meet and thank foundation trustees.

**Coca-Cola Clemson Scholars**

These Clemson students have The Coca-Cola Company to thank for academic support. The corporate-sponsored program offers an annual $2,500 scholarship to top-ranked minority and nonminority students at all S.C. public high schools and a number of independent schools in the state.

**Game plan**

Alumni Fritz Sargent ’68 and his wife, Nora, of LaJolla, Calif., are proud of the way Clemson plays golf — both the sport and the academic component.

The Sargents have recently endowed the head golf coaching position in honor of Clemson’s coach Larry Penley and the record he’s achieved with the consistently high-ranked Tigers.

The endowment also gives support to a scholarship in the University’s professional golf management program, the newest opportunity for Clemson students who want a career in the golf industry.

**Class of ’41 Studio pledge**

During Clemson Reunion 2001, the Class of 1941 and class president Roy Pearce, pictured here with President Jim Barker, made a $1,000,000 pledge for the Class of 1941 Studio for Student Communication. The studio is a natural expansion of the Roy and Marnie Pearce Center for Professional Communication. The fund will be used for space renovation in Daniel Hall, the new home of the Pearce Center and the Class of 1941 Studio.

**Clemson calling**

Thanks to all alumni and friends who contributed to the Clemson Fund through the Spring 2001 Phonathon! Clemson students have been helping raise financial support for academics by phoning alumni and other donors since 1985. And this fall, they’ll call again, asking for your support.

Thank you in advance for supporting Clemson!

**Go Tigers!**

Alumni and friends, thank you for helping Clemson exceed the 25 percent alumni participation mark! When all was said and done, we ended the fiscal year at 26.6 percent! We couldn’t have done it without you!

By rallying to reach the alumni participation goal for the 2000-2001 year, you’ve helped move Clemson closer to being a top-20 public university. Your support has benefited the most important part of the University — our students. And your strength in numbers has helped increase the value of your diploma. It’s been a win-win year thanks to you, our alumni and friends.

We’ve just begun a new fiscal year (July 1) and, as a result, we must start all over again. Our new goal will exceed 25 percent participation. We’re counting on everyone who gave last year, and we’ll need to bring in new donors as well because our number of alumni increases with every graduation.

Annual giving is a way to “vote” for the value you place on your Clemson degree and to help future alumni get the best Clemson experience possible. You can designate that your annual gift go to the academic area of your choice or remain unrestricted so that it can go to the area of greatest need.

A number of you can also take advantage of an employee benefit offered by many corporations, a matching gift that doubles the value of your own gift. See your human resources office for details.

Please take this opportunity to make your 2002 Clemson Fund contribution. You can use the enclosed envelope, call 864-656-5896 or make a secure online gift at www.clemson.edu/isupportcu.

Together for Clemson,
Ann Smith ’82, M ’85
Director of Annual Giving
Clemson Fund

**The big picture**

You can find the full account of alumnus and attorney Al C. Todd’s estate planning advice (from *Clemson World*, Spring 2001) on the Web. Go to the University’s homepage at www.clemson.edu, scroll down to “Capital Campaign” and click on “estate planning.”
They set up a pillar of stone in the place where they so vanquished their enemies. . . .

—Sir Thomas More