

Canterbury tale A cardinal at commencement

Wake Forest

M A G A Z I N E



Techformation

How technology
is transforming the
University and its city.
Page 8

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Printing: The Lane Press, Inc.

Wake Forest Magazine (USPS 664-520 ISSN 0279-3946) is published four times a year in September, December, March, and June by the University Editor's Office, Wake Forest University, 1834 Wake Forest Road, Winston-Salem, NC 27109-7205. It is sent to alumni, donors, and friends of the University. Periodicals postage paid at Winston-Salem, NC 27109, and additional mailing offices.

Send letters to the editor (fyten@wfu.edu), classnotes (awaters@wfu.edu), change of address (alumnrec@wfu.edu), and other correspondence to the e-mail addresses listed or to Wake Forest Magazine, P.O. Box 7205 Reynolda Station, Wake Forest University, Winston-Salem, NC 27109-7205. Telephone: (336) 758-5379.

You can access the Wake Forest World Wide Web site at <http://www.wfu.edu>

POSTMASTER: Send address changes to Wake Forest Magazine Alumni Records, P.O. Box 7227 Reynolda Station, Winston-Salem, NC 27109-7227.

Volume 46, Number 4

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Wake Forest

M A G A Z I N E

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by David Fyten

Waning are Winston-Salem's traditional pillars of tobacco and textiles. Rising is a new 'T'—technology. A package of articles examines Wake Forest's role as catalyst in the city's economic transformation.



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The University graduated its last class without ThinkPads in May. How did its experience differ from that of the ensuing, more technologically enabled class?



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C a m p u s C h r o n i c l e



Wake Forest student is founder of worldwide kids' environmental organization.

Green FACE

MELISSA POE ('02) has strong feelings about what it means to be a leader. She's certainly entitled to them: she became one at nine. Today, at nineteen, almost a third of a million young



An anti-drug form letter from then-President Bush set Melissa Poe on her environmental protection organizing path.

people have looked to her for leadership.

"I think leaders do things not because they have to, but because they truly want to help," says Poe, a rising sophomore at Wake Forest. "A leader helps people see that changing things is not as hard as they might think. Getting involved with the world is simple: it just takes starting somewhere."

Poe is founder of Kids For A Clean Environment, or Kids FACE, a worldwide youth environmental club which inspires and advances children's involvement with protecting nature. The club sponsors tree-planting projects and environmental awareness campaigns across the country, often in conjunction with organizations such as the National Forest Service and regional Earth Day celebrations.

Her start came in 1989 while she was watching a rerun of the television show "Highway to Heaven." The futuristic episode included a gloomy depiction of Earth destroyed by pollution.

"Until then, I didn't know what pollution was, or that it was a problem," she said. "I wasn't a nature kid, I wasn't any Huckleberry Finn, but I

realized, like all kids realize, that when things are taken away, you don't like it."

Poe took matters in her own hands and wrote a letter to then-President George Bush, urging him to do something about pollution and pleading that, "if you ignore this letter we will all die of pollution...." When the president responded with a form letter encouraging kids to stay away from drugs, Poe upped the ante by asking a billboard company to post her letter on a billboard in Washington so the president would be sure to see it.

The idea caught on, and soon Poe's letter appeared on 250 billboards across the country. Then she gathered six friends and started a club they called Kids For A Clean Environment, or Kids FACE. Over the next ten years, the club grew to 300,000 members worldwide. Propelling its growth were a Web site (www.kidsface.org) and newsletter (sponsored by Wal-Mart Corp.) and appearances by Poe on "The Today Show" and other national venues, in which she urged young people to get involved in environmental causes.

A native of Nashville, Tennessee, Poe chose Wake

Campus Chronicle

Forest after considering Brown, Stanford, and Vanderbilt. When she arrived on campus last fall, she turned over the CEO position of Kids FACE to a high school sophomore in Nashville because she wanted its leadership to remain in the hands of young people. Poe still devotes a large part of her free time to the club, including speaking engagements once or twice a month.

Her leadership roles include creating a national tree-planting project, the One In A Million campaign; developing a public speaking training program with the Girl Scouts; and establishing children's environmental projects across the country. Her many public speaking engagements include the United Nations' Global Youth Forum in New York and the Global Earth Summit in Rio de Janeiro, Brazil. She has won honors and awards from Disney World, National Geographic, the United Nations, and the Albert Schweitzer Foundation.

Poe, who will spend two months in Ecuador this summer taking classes and living with a local family, is interested in broadcast journalism and is mulling over a major in political science with a minor in philosophy. "I might like to run for president of the United States," she says. "I'd have to work my way up, of course." **W**
—SHERIDAN HILL

Top 'o the whirl

There's no finer lass in competitive Irish dancing

WITH A NAME like O'Hagan, what could come more naturally than Irish dancing? At least that's what Kerry O'Hagan's childhood ballet teacher thought. And what began with a good-natured suggestion has led to eleven years of competitive Irish dancing for the Wake Forest senior-to-be.

O'Hagan says she continued dancing for so many years because she enjoyed the people and the teamwork, particularly in group dancing. "Irish dancing also teaches you to be poised on stage," she adds.

O'Hagan danced at the O'Connor School of Irish Dance in Los Angeles from 1985 to 1994. Between the ages of six and eighteen, she competed on the regional, national, and international levels in Irish dance.

"I have over 200 medals and I think fifty-four to fifty-seven trophies at home," she says. "I know this seems like a lot, but if you dance for that many years, you'll accumulate a lot of 'loot,' as my dad calls it.

"The record I'm most proud of," she continues, "is the record my sister, Kelly, and I held. At every *feis* [the name for a dance competition other



As part of the Irish Festival held on campus in March, O'Hagan teaches participants the steps to an Irish six-hand reel.

than regionals, nationals, or world], Kelly and I danced a two-hand reel. No matter how many other teams danced, we won first—for six years."

It's not just the number of years of dancing that led to all those awards, but dedication and commitment. O'Hagan's parents, Jerry and Cindy O'Hagan of Marietta, Georgia, moved the family from Los Angeles to Maryville, Tennessee in 1994. The closest school for Irish dancing, the Drake School of Dance, was a 200-mile commute to Atlanta. "When I went to class, I went for the entire day," says O'Hagan. "We would dance four hours, break for lunch, then come back and dance two more hours. It was exhausting." **W**
—KIM MCGRATH

C o m m e n c e m e n t 1 9 9 9



Top: Cardinal Francis Arinze, right, chats with President Thomas K. Hearn Jr. before the ceremony. Above: scenes on the Quad that are repeated every year—happy graduates with their families and friends. Center: the Wait Chapel tower afforded this breathtaking view. Opposite page, top to bottom: honorary degree recipients Richard Darman, Michael DeBakey, Betty McCain, and Andrew Young are invested with hoods signifying their distinction.



C o m m e n c e m e n t 1 9 9 9



Cardinal virtues

A call for harmony at a glorious Commencement

A CRISP, CLEAR SKY smiled down May 17 on another picturesque Commencement. The setting provided a perfect stage for an address by Cardinal Francis Arinze on the role of religion in a world seeking harmony.

Arinze, president of the Roman Catholic Church's Pontifical Council for Interreligious Dialogue and frequently mentioned as a leading candidate to succeed Pope John Paul II, gave the Commencement address to the 807 undergraduates and 581 graduate and professional school students receiving degrees, along with a large crowd of their family members and friends.

Born in Nigeria, Arinze became an ordained priest in 1958, a bishop in 1965, and an archbishop two years later. He was made a cardinal by Pope John Paul II in 1985.

"A true believer . . . is known by love of neighbor, readiness to admit guilt where there has been any, openness to reconciliation, and positive promotion of solidarity between peoples, cultures, and religions," the prelate said. "Give us such people in large numbers, and our

societies will be able to look to the future . . . with a sense of renewed hope. Let us pray . . . to give to each of these graduates, and to everyone of us, the grace to live our religious faith in such an authentic and generous way, that we may each in our various arenas in life contribute, and continue to contribute, to ever greater harmony."

Arinze was one of five honorary degree recipients at this year's ceremony. Also receiving honorary degrees were Richard Darman, a former presidential cabinet member; Michael DeBakey, a surgeon and medical educator whose career includes innovations in cardiovascular surgery and the artificial heart; Betty McCain, a legendary political activist in the state of North Carolina and the current secretary of the North Carolina Department of Cultural Resources; and Andrew Young, a hero of the civil rights movement, former mayor of Atlanta, and former ambassador to the United Nations. **W**

— ANDREW WATERS

C a m p u s C h r o n i c l e

School of hard knocks

Thirty-year-old graduate has been there and done that.

LIKE ANY OTHER Wake Forest senior, Kristene Clark counted the days until graduation, hoping to land a dream job that fits right in with her major. But when she walked across the stage at Commencement May 17, those steps weren't her first into the real world. That's because at thirty—as a wife and mother, a Gulf War veteran, and a former factory worker—she is on a first-name basis with the real world.

Clark's story reads like a novel, the ending of which she's been desperately trying to rewrite for the last six years, since she began her quest for a college degree.

Despite the fact she finished second in the class at her St. Louis high school with a 3.9 GPA, Clark didn't consider attending college. No one in her family had ever gone before. Her father had died when she was ten, and since her mother's remarriage meant there were twelve other children in the family, there didn't seem to be any way to pay for it. So she joined the Air Force, where she met and married her husband, Jeff, at age twenty. They celebrated

their first anniversary in 1990 in the Persian Gulf.

After finishing their stints in the Air Force, the couple returned to St. Louis in the midst of the recession to work at minimum-wage jobs in a factory. One year later, they moved up to jobs at a civilian aircraft company, and in the fall of 1992, Clark discovered she was pregnant. She didn't have much time to rejoice—she was laid off around Thanksgiving. Then came the second blow—Jeff was laid off at Christmas.

"Here I was six months pregnant, and neither one of us had a job or health insurance," she said. "I knew that the only way out of the blue collar rut was an education."

So Clark, then twenty-three, enrolled at St. Louis University and earned all As in four classes that semester. Three days after her last final exam, she gave birth to her son, Erik. She recalls having contractions during her finals and staying up all night with the colicky baby while taking four more classes in the fall semester. She also worked during the day, and her husband worked at night so they could split child care. But they couldn't make enough money to survive.

"We were homeless for three or four months. We stayed with my sister until she moved, and then we had nowhere to go," Clark said.

"We put our clothes in the car and drove to North Carolina. We had been stationed in Fayetteville before, and North Carolina held bright memories for us."

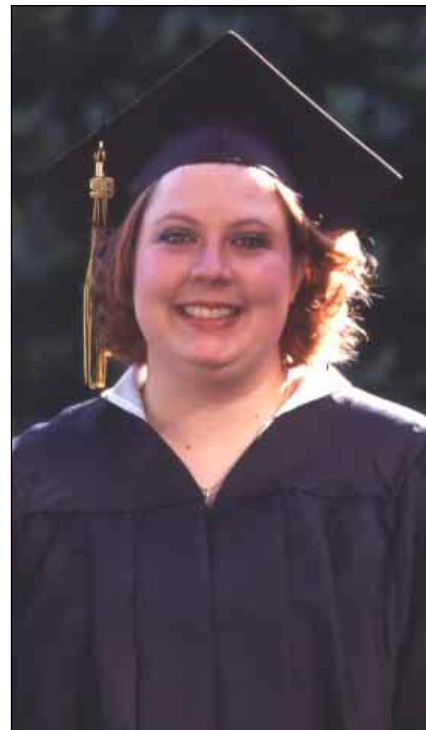
Driving on Interstate 40 through Winston-Salem, Clark was drawn to the Wake Forest University sign on the Medical Center complex and stopped to apply for a job as an operating room technician. She got the job, but the family decided to settle in Raleigh. So she worked forty hours a week at Roche Biomedical Labs in

Research Triangle Park and then drove to Winston-Salem to work two ten-hour weekend shifts at Baptist. Jeff worked full-time at a grocery store. They slept on the floor at home because they couldn't afford furniture. After one year, they moved to Winston-Salem, where she got a full-time job at a chemical plant to add to the hospital job, and Jeff began work as a maintenance mechanic at Johnson Controls.

In the spring semester of 1996, Clark enrolled at Wake Forest as a full-time student. She replaced her other two jobs with a thirty-hour-per-week job as a hemodialysis

technician at a local dialysis center. On top of that, she's had to work her schedule around her husband's—he works third shift six days a week because they can't afford child care. She's taken classes through the summer sessions as well.

Minutes before she was to leave home to take a philosophy final last summer, Jeff was called in to work. She had nowhere for Erik to stay, so she brought him to class. The professor allowed her to take the final in a separate room so Erik wouldn't disturb the other students.



Kristene Clark on her graduation day: 'I knew that the only way out of the blue collar rut was an education.'

Despite the distraction, Clark made an A on the final. And that wasn't unusual: a German major, she had a 3.5 GPA. She was just a few credits shy of a biology major as well—she originally intended to go to medical school but decided she and her family couldn't handle the financial and emotional strain of that many more years of school. Besides, it's Jeff's turn to get a college degree next.

Clark advises her younger friends to take their time and get their education before marrying and having children. Her road has meant more time away from both her family and her studies than she would have liked, and certainly less sleep—she averages four hours a night—than a person should have to survive on. But now that she's crossed the finish line, she's looking forward to reaping the benefits of a Wake Forest degree.

"I'm in a much better position than the day I set foot in North Carolina," Clark said. "It's been worth it as far as supporting my family, but I can't make up for the lost time with them I spent with my head in books. My education will keep me from ever being in that situation again. I wasn't in control of my own future then, but I am now." **W**

—ELLEN DOCKHAM

Almanac

*A miscellaneous compendium of news and facts
about Wake Forest University*

- ◆ **WAKE FOREST** has implemented a new policy requiring all students wishing to live off-campus to obtain prior approval of the University. Students opting to live in houses, along with their landlords, will have to sign an additional agreement setting forth specific behavioral guidelines. University officials say the policy is designed to help ensure that students respect the rights of their neighbors and do not disturb them with loud and unruly behavior.
- ◆ **THE FIRST RECIPIENTS** have been chosen for a college scholarship honoring two Wake Forest students who died in a drunk driving accident that sparked a successful lobbying effort, spearheaded by Wake Forest students, to strengthen North Carolina's DWI laws. Maia Witzl and Julie Hansen were killed in 1996 in Winston-Salem when they were riding in a car that was hit by a drunk driver. Witzl and Hansen, sophomores when the accident happened, would have graduated this May. The Wake Forest chapter of Chi Omega, of which Hansen and Witzl were members, is raising money for the scholarship.
- ◆ **THE FOLLOWING** six Reynolda Campus faculty members retired this spring: Robert Dufort, psychology; Eddie Easley, Calloway School; Leo Ellison, health and exercise science; David Evans, anthropology; Robert Shorter, English and the MALS program; and George "Jack" Williams, physics.
- ◆ **U.S. NEWS & WORLD REPORT** ranks Wake Forest among the top twenty medical schools in the nation for educating primary care doctors. Overall, the magazine's annual rankings of America's top graduate and professional schools places Wake Forest among the top fifty medical schools nationwide. In other rankings news, the 1999 edition of the *Princeton Review* college guide ranks Wake Forest Libraries as fourth best in the nation. The rankings are based on student assessments of the library facilities at their institutions.
- ◆ **TORREY ADAMS**, who completed work on a doctorate in chemistry at Wake Forest this spring, has been awarded a UNCF-Merck Postdoctoral Science Research Fellowship. The \$55,000 fellowship, of which only ten are awarded each year, is designed to increase America's pool of African American researchers in the biomedical sciences and related disciplines. Adams, a graduate of Marquette University, came to Wake Forest in August 1994 as a Hearst Foundation-sponsored predoctoral fellow. He subsequently was supported by the Exxon Education Foundation and by the National Science Foundation grants of his thesis advisor, Mark Welker, in whose lab Adams did his experimental work.



Adams

Like the upside of an I-beam girder, “T’s” have been the framework of Winston-Salem’s economic structure from its very foundation. There was Tobacco, raised to towering proportions by R.J. Reynolds. There was Textiles, fabricated into an elaborate pattern of manufacturing operations by the Hanes family. There was Travel, elevated to impressive heights by Piedmont Airlines. And there was Tourism, cultivated by Old Salem and cultural institutions. In their day,

these were mighty mansions, sheltering thousands in steady jobs and accommodating every sector of civic life, from the arts and education to politics and welfare. It was a solid, stable, well-ordered structure.

But cracks—at first small, then gaping—appeared in the edifice during the eighties and nineties. There were mergers and buyouts—of Hanes by Consolidated Foods (later known as Sara Lee); Piedmont by USAir; Reynolds of Nabisco—which undermined the stability of the job base. Particularly unsettling were RJR Nabisco’s corporate headquarters move and subsequent leveraged buyout in the late eighties, which brought crushing debt and layoffs of thousands. Dire health warnings and the rising cost of cigarettes eroded the domestic smoking market, even as a frontal assault on the tobacco industry by health advocates was gathering force. Cheaper foreign labor and the North American Free Trade Agreement enticed the textile industry across the border. And the old American model of giant manufacturing corporations employing tens of thousands of semi-skilled workers in lifelong factory jobs—the very model that sustained Winston-Salem—died, never to be resurrected.

Once the most prosperous and growth-oriented city in North Carolina, Winston-Salem watched as cities like Raleigh and Charlotte, which embraced the new economic order based on finance, information, and technology, raced by. Its once-solid-but-now-sagging edifice looked ready to crumble, or even collapse into ruin.

Thankfully, Winston-Salem’s tottering economic structure had two towers—medicine and banking—to stabilize it. The Wake Forest University Baptist Medical Center had gradually become the city’s largest employer and was continuing to grow. And longtime banking giant Wachovia

Corporation was joined by Southern National (now Branch Banking and Trust Company), which moved its headquarters to Winston-Salem in 1995. But business and civic leaders understood that these alone would not be sufficient to restore the city’s vitality. They knew that to avoid becoming a backwater, Winston-Salem would have to move swiftly into the entrepreneurial, high-tech mainstream.

Led in large part by Wake Forest and its president, Thomas K. Hearn Jr., an aggressive push is under way. The North Carolina Emerging Technology Alliance—or, as it’s known simply, the Alliance—has raised capital and broken ground for a downtown park to house high-tech companies. The park will be served by a high-speed, high-volume fiber optic cable computing network which will be installed under the auspices of the University (*see related story on page 10*). The Wake Forest School of Medicine, meanwhile, is aggressively practicing “technology transfer,” the patenting and transferring to the commercial sector of research discoveries by University scientists. Three biotechnology and medical technology companies based on discoveries by Wake Forest University School of Medicine researchers have been incorporated, with more in the works.

The upshot is that at the turn of the millennium, Winston-Salem stands poised to rebuild upon yet another “T”: Technology. And proponents hope the outcome is the ultimate “T”: Transformation for the Twenty-First Century.

Prior to the mid-eighties, Winston-Salem had no systematic economic development plan to speak of. But that changed quickly in the wake of the RJR Nabisco catastrophe, and Winston-Salem Business, Inc., was founded to

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suited to a



With the weakening of its historic economic foundation—primarily, tobacco and textiles—Winston-Salem, supported by Wake Forest, is building a new structure upon technology.

by David Fyten

DREAM WEAVERS

A network-building effort—in the literal and figurative sense—seeks to knit the community in a field of fiber.

If you build it, they will come. So goes the philosophy of a group of Wake Forest forward-thinkers who are working to replicate the University's success in the technology arena in the larger community. Lay a series of high-speed fiber optic cables around Winston-Salem, connect the city's major players via the Internet, and high-quality business, education, and lifestyles will come.

"It's a field of dreams," says John P. Anderson, Wake Forest's vice president of finance and administration, who has played an integral role in technology advancements through the Undergraduate Plan. "We won't really know all the reasons why until we're done. When you establish a robust intranet the way we're going to, you make possible things people didn't think of before."

This field of dreams, this robust intranet, has a name, if not yet a solid structure. It's called Winston-Net, and University computer experts including David G. Brown, Jay Dominick, and Nancy Crouch are working with the Chamber of Commerce and other Winston-Salem leaders to make it a reality. The basic idea is that all of the city's large computer systems—the higher education institutions, the Winston-Salem/Forsyth County school system, large corporations such as Wachovia, Sara Lee, and R.J. Reynolds—as well as businesses, households, government, and non-profit

agencies in between, would enjoy a super-fast Internet connectivity.

"Such a community wired this way is considered to be able to draw the right kind of employers and businesses to the area," Anderson says. "Parents want their kids to grow up in the best technological environment so they'll be ready for the world of work. Employers want that kind of employee, and they can also see benefits to their business. We're concerned with promoting the quality of life that attracts the right business."

It's true that most of these players already have access to the Internet through various service providers, but the fiber cables will give them a much more powerful connection that will allow them to do such things as streaming audio and video, which are difficult to do over a modem. The high-speed connectivity should allow users to deliver their services more efficiently and effectively and to facilitate new business development.

"This is cutting edge," says Brown, vice president and director of the International Center for Computer Enhanced Learning at Wake Forest. "It's important for Winston-Salem and the Triad to have an infrastructure equal to the new information age so our citizens can have the best employment opportunities, the best education, the best government."

Possible uses for Winston-Net include distance learning courses

from local colleges and universities, e-mail between teachers and parents, access to government services such as the license bureau and the tax assessor's office, and an electronic mall through which customers could order items and services from local businesses. Winston-Net could also help small businesses seek additional help through remote workers from around the country or the world, or conversely, help local residents promote their services to businesses in other communities.

"Winston-Net is not unlike a community network one-thousand times more powerful than the telephone," Brown says.

Jay Dominick, assistant vice president for information systems and co-chair of the Winston-Net project, says the project is in the wiring stage right now. He says the venture can use the fiber-optic cables Wake Forest already has in the ground, but more cables will be needed to connect individual schools, businesses, and agencies. Winston-Net is trying to find partners to provide funding for smaller entities like non-profit agencies to pay for the necessary cable. Eventually, once Winston-Net is in place and businesses start to see the advantages, it might attract companies that would provide similar high-speed access to individual homes.

"The better-wired Winston-Salem is, the more attractive it will be to the

people we need to recruit to come here," Dominick says. "Wake Forest wants world-class faculty, and these people come from places where they're used to having high-speed access from their homes. We want people to know this is not a bucolic place to live. We have to continue to make people confident in the schools here, or they won't relocate their businesses here. This is an issue every community will have to face."

It is in fact the school system that is Winston-Net's first priority, and it's hoped that connections will be in place to a significant number of schools by the fall semester. Teachers who already have an IBM ThinkPad purchased from the University—part of Wake Forest's plan to put to good use the laptops turned in by juniors who get upgraded machines through the Undergraduate Plan—will be invited to join a pilot program this summer that will provide them with Internet service through the University. Wake Forest students are also working with these teachers during the school year to help them incorporate the technology in their classrooms, says Crouch, director of technology outreach at Wake Forest.

Winston-Net could give the schools better access to community resources such as businesses who can participate in mentoring programs and higher-education faculty who can lend an outside perspective, Crouch says. Schools could do video conferencing with outside experts, access virtual libraries of faculty presentations, and keep in touch with business partners. Parents could correspond with teachers via e-mail or check their children's homework



assignments over the intranet. "Right now, all of these relationships are limited by when the people can actually be in the school," Crouch says. "Winston-Net can eliminate that problem and give the schools access to resources they didn't have before. In the long run, what benefits the schools benefits the community."

—Ellen Dockham

Top: Nancy Crouch, right, with Connie Brown, director of Winston-Salem's Downtown Middle School which receives used ThinkPads from the University. Above: left to right, David G. Brown, Jay Dominick, and John P. Anderson are building networks in the fullest sense of the word.



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recruit new employers to the community. It succeeded in attracting a smattering of smaller light-manufacturing companies to an industrial park it had developed, but the process was extremely competitive. And it was becoming apparent that manufacturing did not represent the future of the American economy.

About the same time, C. Douglas Maynard ('55, MD '59), chair of the Bowman Gray (now Wake Forest University) School of Medicine's radiology department, began looking for ways to help his scientists find commercial applications for their discoveries. He focused on enriching the department's engineering and computer science resources, and he established a cooperative program with N.C. State through which several electrical engineer-

ing doctoral students at State did research at Wake Forest. The goal was to collaboratively develop inventions with commercial potential. Maynard's efforts caught the attention of the Chamber of Commerce, which, seeing the potential for high-paying jobs, set up a technology council and convinced Maynard to lead it. Although its effort to establish an electrical engineering program dissipated, the effort did yield a small graduate program in medical engineering at Wake Forest. Moreover, it convinced leaders that technology transfer would be a boon to the University, and medical startup companies a key to the city's economic revitalization.

Another of Maynard's ideas was to find space off campus for companies he hoped would spin off from researchers' discoveries. The technology council retained



a consultant, who proposed establishing a series of “technology parks” to house high-tech companies. To prime the plan, Wake Forest in 1993 bought and renovated RJR’s old research building downtown and moved the medical school’s physiology and pharmacology department into it. Then, in 1996, real-estate developer David Shannon (’79) bought the original R.J. Reynolds factory complex—four vacant buildings, comprising 500,000 square feet, on three acres along the southeastern periphery of downtown—which the company had sold to the county in 1990. By early 1997, Shannon (*see related story on page 14*) had renovated the newest building and named it Albert Hall, after the Prince Albert pipe tobacco that had once been produced there. Eighteen small entrepreneurial companies—mostly in communications and

Wake Forest radiologist C. Douglas Maynard, left, and President Thomas K. Hearn Jr. were early visionaries and prime movers of technology’s economic potential. Behind them is the PTRP area in downtown Winston-Salem.

medical technology—moved in.

Thus, the physical foundation—the Piedmont Triad Research Park (PTRP)—had been laid. What was needed next—the more difficult to obtain, but most critical, building blocks—were start-up companies and capital. Wake Forest would lead the way in generating both.

From the very inception of his presidency in 1983, Hearn has been a leader in the community. He was a
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RIISING FROM THE ASHES

A developer central to the economic resurrection effort recovers from a devastating fire.

When a fire last August destroyed the old Reynolds tobacco factories that were being converted for use in downtown Winston-Salem's Piedmont Triad Research Park, it disrupted the timetable for developing the park. But it was also a personal and professional blow to David Shannon, a Wake Forest alumnus and developer whose company was rehabilitating the grand old buildings.

The renovations of the old factories were Shannon's most ambitious and significant rehab project yet, both in terms of size and historical significance. The day the fire reduced his plans to rubble, he left the scene and went back to his office, unable to bear the sight.

Throughout his career, Shannon ('79) has demonstrated a fondness—and a knack—for bringing new life to old buildings that no one else wanted. "The history of these old buildings gives them a presence that I find appealing," he says.

His work in the research park is a return to the neighborhood where his career as a developer started in an old

wagon works the next block over. At the time, he was selling industrial solvents and chemicals, a business he ran with a Sigma Chi fraternity brother.

Shannon, forty-two, was born and raised in Charlotte, where his father worked for Duke Power Company. Choosing Wake Forest was easy for him. "It's the only place I applied," he says. "It was in North Carolina, it was small, and I liked that. And it had a good academic reputation."

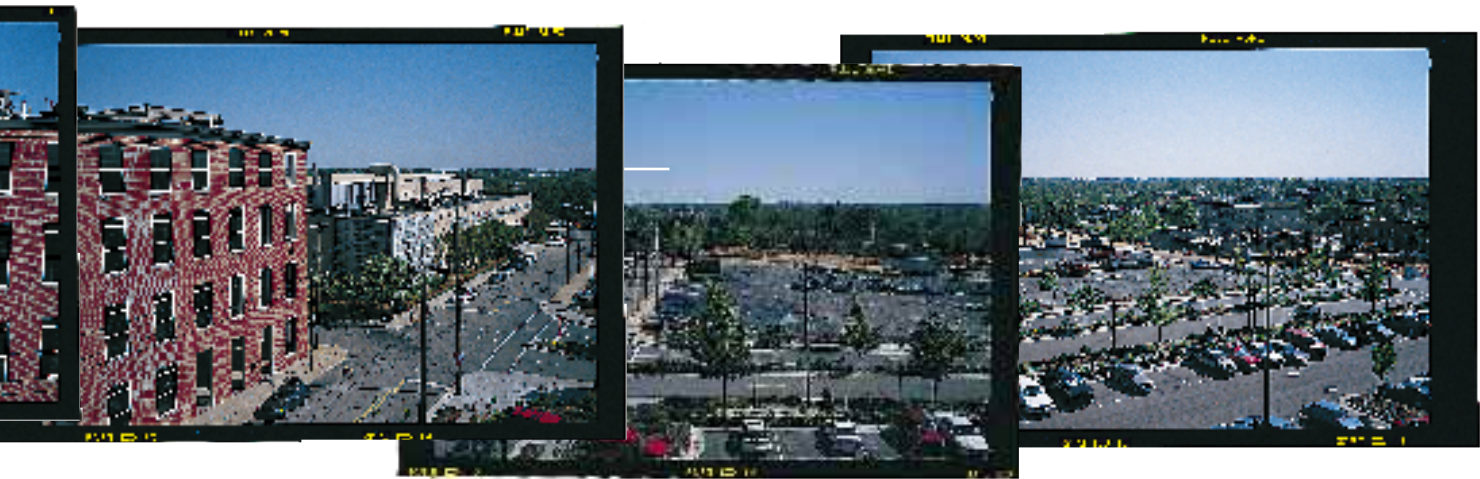
Shannon majored in economics and business and always planned on working for himself. But in his case, he didn't even wait until he graduated: he and his fraternity brother started the chemical business during his junior year. Shannon nonchalantly discusses the matter as if starting a business while in college were the norm. "We both wanted to start a business so we got together," he says. "His father was in the chemical business in the North, and he wanted to learn about that business, so we put together a plan."

As start-ups go, this one required no overhead, and no physical space. "We went out and sold it, and once

we sold it we had it shipped to the customer," he recalls. "We had to do it that way—we didn't have any place to put it."

Shannon and his partner continued in the business after graduating. They bought the old Nissen Wagon Works, a three-story brick building with bay windows and turrets dating from 1893. The building had been empty for years, and the price was right. Once in, Shannon realized that the building had potential to house more than just his business. He rehabbed the unused space for offices. He soon found tenants, including the N.C. Department of Human Services, which was looking for a regional office in Winston-Salem.

Shannon and his partner sold the chemical business in 1984, but he still owns the wagon works building, and Human Services is still a tenant. "It's the only building left standing in Forsyth County, from the original industrialization, of Greek Revival architecture," he says with evident pride of ownership. The building also gave him inspiration for his corporate name, JDL Castle Corp. "JDL is my wife, my



daughter, and me—Janet, David and Leigh. And it's 'castle' because that first building we did looks like a castle."

With the renovation of the old wagon works, Shannon found his true calling. Next he rehabbed an old building off North Trade Street for the local arts community, which was crying for cheap gallery and studio space; then, the old Brown & Williamson tobacco factory that sits on a kudzu-covered hill overlooking University Parkway as it exits downtown.

Along the way JDL Castle began venturing into new construction: a downtown post office branch, offices for U.S. Bankruptcy Court, and a new home for the Salvation Army. The company now has twenty-two people on the payroll and has ventured out into other cities for projects.

Shannon first became interested in doing something with the four buildings collectively known as Reynolds Factory 256 a couple of years after the county acquired them in 1990. But the county wanted to keep its options open and turned down Shannon's offers to buy them.

Plans to develop a downtown research park brought a change of heart, however. The county sold the complex, with more than 500,000 square feet, to Shannon in 1996. He converted the first of the buildings into a mix of top-floor condominiums and office/research space for technology-oriented companies. The second was also being converted into a mix of lofts and office space and was two weeks from being finished when the fire destroyed it.

"We lost probably the most beautiful buildings in Winston-Salem, and particularly, in Factory 256, the most historically significant building," he says. "That was the original R.J. Reynolds factory, which is why Winston-Salem is here. And it was 370,000 square feet of space."

In the wake of the fire, Shannon has cleared the land and plans to put up two new buildings to replace the old factories. The only question seems to be how big, and what they should look like. There's some thought of trying to emulate the look of the old factories, he says, but nothing has been decided yet.

This panoramic montage depicts the PTRP. The gap to the left was the site of the buildings destroyed by the fire. The lighter structure to the far right is the former RJR facility now occupied by School of Medicine researchers.

The fire does give him a blank slate, which makes it easier to build space to suit potential tenants. And new construction commands higher rents than rehab space. But Shannon doesn't see this as much of a silver lining in the clouds of smoke that consumed the factories. "We gained a two-and-a-half-acre parcel of land in the heart of downtown and the research park that we can put new buildings on," he said. "That's not a trade I would normally make." Nevertheless, he will rebuild, although precisely what he's not sure of yet.

Beyond replacing the destroyed factories, Shannon said he plans to stay active in the area as the research park develops. "Hopefully, we are developing some relationships with tenants that will allow us to expand with them," he says.

—Frank Elliott

continued from page 13

co-founder of Winston-Salem Business, Inc., and the results of that effort convinced him that a rapid and somewhat more radical transformation of the city's economy was necessary. Following a consultant's report commissioned by the Chamber and issued in January 1998 that recommended establishing a \$70 million venture-capital fund and support offices for high-tech entrepreneurs, Hearn pulled together the Alliance, a blue-ribbon group of executives which simplified and scaled back the plan to creation of a \$10-million first-stage capitalization fund. Buoyed by \$2 million donations each from Wachovia, BB&T, and Wake Forest, the Alliance is closing in on its goal. "No one," says Hearn, "has turned us down yet."

No sooner had the Alliance gone public with its plan, and enthusiasm really started to build, than the worst fire in Winston-Salem history destroyed all but one of Shannon's buildings last August. The one that survived, Albert Hall, sustained extensive water and smoke damage. It was a severe setback, but backers of the program were undaunted. In March the Alliance awarded a contract for construction of a four-story, 80,000-square-foot "spec building" in the PTRP to attract start-up research and technology businesses. Scheduled for completion in March 2000, it will include much-needed wet- and dry-lab space, which is in short supply across North Carolina. To enable its construction, Wachovia has agreed to lease two floors of the building, which it will vacate as demand for space by start-up companies arises. The Alliance has plans for three more spec buildings in the park as need develops.

Essential to any high-tech business is high-speed, high-volume Internet access. The University plans to loop the fiber optic cable that links its Reynolda and Bowman Gray campuses to the PTRP as part of a large-scale community-wiring effort called WinstonNet (*see story on page 10*). And a local developer has plans to build a high-tech hotel at the park which will provide guests with high-speed Internet access in their rooms. It should be a natural complement to existing—and an attractive inducement for potential—PTRP businesses.

Shannon, meanwhile, has completed renovations to the building that survived the fire, and all the tenants have moved back in. He plans to rebuild on the Albert Hall site, although he's not sure yet how tall the building will

PHOTO BY BIOMEDICAL COMMUNICATIONS



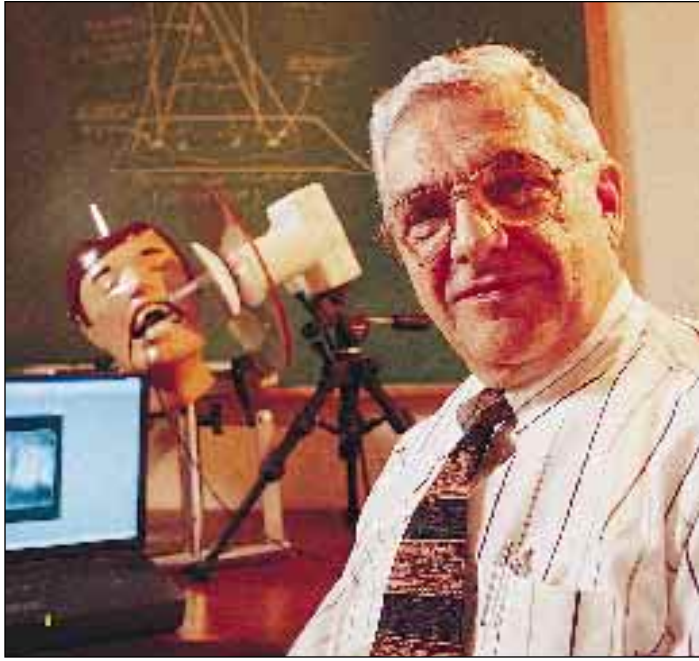
Technology transfer director Beth-Fordham Meier projects licensing and royalty revenue from scientists' discoveries to total almost \$4 million this fiscal year.

be, or how it will look. "It really depends on what the market dictates as opposed to what we want to put there," he says.

The Alliance's focus on medical technology seeks to capitalize on what has emerged as Winston-Salem's strongest economic growth sector. Certainly, efforts at Wake Forest to transfer its scientists' discoveries to commercial enterprises have stepped up considerably in the past five years. In 1993-94 only three patents were issued to University scientists; last year there were thirteen. And researchers disclosed forty-nine new inventions to the medical school's Office of Technology Transfer in 1997-98, compared with thirty-five in 1996-97 and twenty-two in 1995-96.

Besides the internal promotional efforts of Maynard and others, much of the increase can be attributed to a pair of "Connectivity Expos" conducted in 1996 and 1998 under the auspices of the technology transfer office. The expos, which attracted large numbers of entrepreneurs

PHOTO BY BIOMEDICAL COMMUNICATIONS



A new company, CERBERUS Technologies, Inc., will market a three-dimensional tomography invention of Robert Webber, above, professor of dentistry and radiology at Wake Forest.

and venture capitalists, sought to publicize the research capabilities of Wake Forest and ready-for-market research at the University and to connect its entrepreneurial scientists with potential investors. So far, three biotechnology companies based on Wake Forest inventions have been incorporated, with at least three more medical companies in various stages of development or planning.

The first venture-backed—and, from the Alliance's viewpoint, the flagship—of these offshoot companies is Pilot Biotechnologies, Inc. Based on the discoveries of pharmacology professor Floyd "Ski" Chilton and quartered in the Albert Hall complex, it will develop, test, and market therapeutics and nutraceuticals for proliferative and inflammatory diseases such as cancer, asthma, and arthritis (*see related story on page 18*). Another is IntraVec, Inc., a gene-therapy company formed to develop and commercialize the AIDS and cancer therapy inventions of Si-Yi Chen that the Baylor College of Medicine researcher made while he was at Wake Forest School of

Medicine before he was recruited to Baylor's Gene Therapy Center. Other spinoff companies will be focusing on cancer and esophageal tract disease therapeutics and diagnostics, virtual-reality diagnostic imaging, and therapeutic furniture, among other areas. In conducting market research and developing business plans for prospective startup companies, the technology transfer office uses students from Wake Forest's Babcock Graduate School of Management.

Startup companies are only part of the technology transfer effort. Even more prolific are licensing agreements with established pharmaceutical, biotechnology, and medical device companies. In 1996-97, Wake Forest earned about \$690,000 from royalties and licensing fees related to products based on Wake Forest research. In 1997-98, that amount grew to \$1.8 million. As a major piece of this revenue source, Beth Fordham-Meier, director of the technology transfer office, cites its agreement with a company in Texas which markets a vacuum-assisted wound closure device developed by Louis Argenta and Michael Morykwas of the surgery department. She projects licensing and royalty revenue to total \$3.4 to \$3.8 million in 1998-99 as she and her staff continue their efforts to build up the number of new licenses and develop a database to match faculty technologies with companies' needs. (For more information about Wake Forest's technology transfer program, consult the office's Web site at www.wfubmc.edu/research/tech/.)

With the confluence of all these key elements—the city's strengths in medical technology and banking; the ample land and relatively low-cost space at the PTRP; the fiber optic network; the capitalization and recruiting efforts of the Alliance and others—one can sense a synergism building into something much larger than the sum of its parts. It holds the promise of a new economic structure as solid—and as suited to Winston-Salem—as the old.

"There is more enthusiasm and support for this undertaking than for any other venture I have seen in my fifteen years in Winston-Salem," Hearn says. "It seems apparent to everyone that we have the nucleus of the elements that are going to be successful in taking ideas and moving them through the process to commercial application. Clearly, this is a growing and increasingly important segment of the national and world economic outlook, and we will be well-positioned indeed." **WJ**

PARENT COMPANY

Researcher's startup company draws its inspiration from home and family—and could be the father of an entrepreneurial brood.

One morning last year, Floyd H. "Ski" Chilton (Ph.D. '84) stepped from his home near the base of Pilot Mountain, glanced at the knobby summit that soars above the Piedmont as a defining landmark, and had an epiphany. "Suddenly," he says, "I knew what I wanted to call my company."

Chilton and his partners were in the process of putting together an enterprise based on his nearly twenty years of research on fatty acids and their effects on human health. Over the years, the director of molecular medicine and professor of internal medicine, physiology, and pharmacology at Wake Forest University School of Medicine had explored the link between the body's excessive production of arachidonic acid and ailments including arthritis, asthma, and cancer. He had ten inventions for which patents either have been granted or are pending. Now, Chilton—backed by venture capitalists in the Research Triangle and two of the state's leading universities, Wake Forest and N.C. State—was ready to bring his discoveries to the marketplace.

Late last October, Chilton's company, Pilot Biotechnologies, Inc., was announced at a gala press conference in downtown Winston-Salem. It was

the first commercial venture to emerge from research at Wake Forest—one with enormous potential and profound implications for the University, for Winston-Salem and the efforts to transform its economy, and for North Carolina and perhaps its tobacco farmers.

Chilton's naming impulse at the foot of the mountain that morning was more than a mere whim. It was rich with symbolic meaning, bringing full circle the stately arc of his career and life.

Born on a tobacco farm in Stokes County and raised in the town of Pilot Mountain, Chilton grew up under the tutelage of his father, who despite modest means invested regularly and wisely in the stock market. As early as six, young Floyd was buying stock. That entrepreneurial spirit and fiscal acuity—relatively rare in a research scientist—would serve him well.

After running track at Western Carolina University, Chilton earned a doctorate in biochemistry at Wake Forest, then did a postdoc in Colorado and spent six years moving through the academic ranks at The Johns Hopkins University before returning home to join the Wake Forest medical faculty in the early nineties.

For three decades, scientists have been aware of the importance of fatty

acids to our well-being. When we are injured, arachidonic acid is mobilized to heal tissue and help prevent infection. But when the acid is overproduced, as often happens, it causes inflammation and resultant disorders such as asthma and arthritis. In recent years, scientists also have linked it to cancer.

Over the past fifteen years, Chilton, forty-one, has identified and manipulated cellular processes involving arachidonic acid's interaction with tissue and has developed patents to inhibit the action of enzymes that will, in turn, block certain cellular responses—a critical step in reducing inflammatory and malignant disease processes.

Chilton's research focus was precipitated in part by the frustration he felt nearly a decade ago when he was unable to suggest an effective treatment for the severe rheumatoid arthritis from which his sister suffers. His work acquired added personal meaning last year when his father died from cancer.

Spurred by congressional deregulation of the pharmaceutical industry in 1994, the sale of nutraceuticals—naturally occurring compounds with real or purported medicinal value—has exploded from \$20 billion five years ago to more than \$86 billion

last year. Herbal treatments such as echinacea and St. John's wort have become phenomenally popular. Chilton is skeptical, if not downright dismissive, of the benefits of many of the products on the market; he calls the distributors of these dubious products "cowboys." He vowed to develop compounds that were safe and effective and were backed by solid research and thorough clinical trials.

Assisted by Wake Forest's Office of Technology Transfer, Chilton set about bringing his discoveries to market. "The venture capital community has been interested in the nutraceutical area for some time," Chilton says. "It was important to me to find people of great integrity—a partner I could trust." He found one in Glenn Kline of Centennial Venture Partners of the Research Triangle. Assisted by the N.C. Technology Development Authority, Kline has raised \$1 million in capital to date, with projections of another \$5 million.

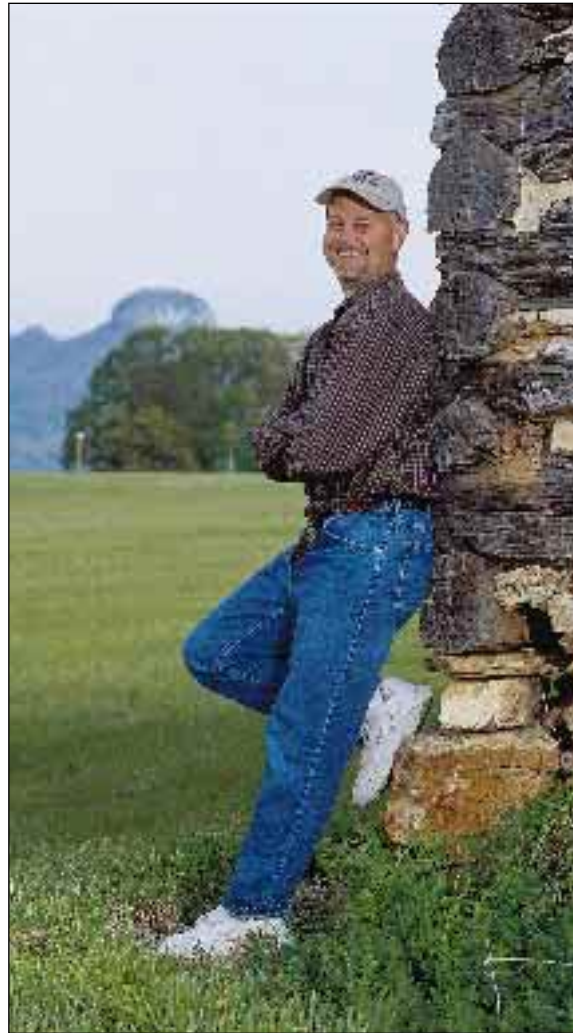
As their CEO, Kline and Chilton recruited J. Phillips L. Johnston, a specialist in new-business formation who has started seven successful companies. And they formed a research partnership with N.C. State's College of Agriculture and Life Sciences, which will develop genetically altered crops as the foodstuff of Pilot Biotechnologies' fatty-acid nutritional compounds. One possibility, although not definite, is a variant form of tobacco, which could mean a new market for the state's beleaguered growers. Wake Forest holds equity in the company by virtue of its ownership of Chilton's research.

Headquartered in Albert Hall, the converted tobacco factory that is a

cornerstone of the developing Piedmont Triad Research Park in downtown Winston-Salem, Pilot Biotechnologies will have two divisions: nutraceuticals, through which it will develop, produce, and market nutritional fatty-acid supplements; and pharmaceuticals, through which it will form partnerships with major pharmaceutical corporations and through trials take their newest, most promising drugs—mostly for the treatment of cancer—from risky early-stage clinical testing to late-stage clinical development. Johnston estimates that Pilot Biotechnologies will be a \$50-million company within five years.

Chilton expects that in two years Pilot Technologies will employ perhaps eighteen scientists—admittedly, not a significant addition to Winston-Salem's employment base. But he says the company's contribution will be far greater than adding large numbers of employees. "We're the poster child," he says. "We're the pioneers. A lot of people are watching us to see if we succeed. In the long run, we could be the start of an economy turned toward technology."

And for him personally, it will bring his life and work to fruition. "It



Floyd 'Ski' Chilton, with Pilot Mountain in the background: 'It is critical that we do something that gives our lives purpose.'

is important in life to grapple with important questions," he told the crowd at the press conference. "There are questions that won't go away. They are questions about spirituality, families, and knowledge that can help other people. It is critical that we do something that gives our lives purpose."

—David Fyten



WHEN MEMBERS OF THE CLASS OF 2000 tell their grandchildren about the good old days at Wake Forest, they'll likely reminisce about the first year that notebook computers became as common on campus as, well, notebooks. Perhaps they'll puff up a bit as they tell the story of how they were part of the first class at Wake Forest—and indeed one of the first classes at any university in the country—in which every student carried a laptop computer in a backpack, making them capable of high-speed, instantaneous communication with people around the globe.

Why, they could e-mail their professors in the middle of the night, carry on group discussions without physically getting together with their classmates, correspond with other students and professionals in foreign countries with a simple click, do research without setting foot in the library. And they could use their laptops while lounging in their dorm rooms, sitting in Tribble Hall, lying out in the middle of Davis Field, or eating lunch in the Benson food court.

Their grandchildren will probably laugh at what will then be ancient technology and marvel at the fact that anyone could ever have lived without e-mail. But the Class of 2000 alumni will wisely remember what life was like before computers, and they might even pinpoint the day they were issued an IBM ThinkPad as the day Wake Forest took a giant leap into the future.

SO WHAT WAS COLLEGE LIFE

WITHOUT THINKPADS LIKE

FOR THIS YEAR'S GRADUATING

SENIORS? AND FOR THE

MORE TECHNOLOGICALLY

EQUIPPED CLASS RIGHT

BEHIND THEM?

THE LAST AND THE FIRST

THE CLASS OF 1999, on the other hand, won't have such yarns to share. They were oh-so-close to, but yet still so far away from, being members of the history-making class. Savvy sophomores usually have a leg up on fresh-faced freshmen, but not this time. This time it was the freshmen who knew the tricks of the technology trade and the sophomores who would have the questions. One-quarter of the members of the Class of 1999 bought their own ThinkPads; the others chose to finish the way they had started, with their own computers or none at all.

Jill Rader, a graduating senior from Beckley, West Virginia, was wistful, not bitter, as she spoke about the benefits of having a ThinkPad—and of not having one. "It's a wonderful idea," said Rader, who didn't buy a ThinkPad. "The kids who come out after this will have a definite advantage in the workplace. They will be better prepared. But I have to say I'm glad I missed the tuition increase."

Joe Volpe, a senior from Youngstown, Ohio, described his class as the end of an era: "It's almost like there's a generation gap even though there's no real age difference. There was such a difference in mentality between the juniors and the seniors. They are the Class of 2000, the long-awaited class."

BY ELLEN DOCKHAM

Although more portable for juniors like Amanda Epstein, left below, who have ThinkPads, than for graduating seniors like Andy Crawford, left above, who did not, computing has affected every student.

WIRED!

Wake Forest is ranked first among the nation's liberal arts schools in its use of information technology.

Yahoo! Internet Life Magazine ranks Wake Forest University first among liberal arts schools, and third among all institutions of higher education, in its 1999 annual survey of "America's 100 Most Wired Colleges," a detailed guide to Internet use in higher education.

In its guide of institutions taking extensive advantage of information technology, the magazine said in its May issue that it "inquired into every aspect of a school's wired life"—from student Web usage to computer network speed. It said its rankings were based on four main criteria: hardware, academics, free services, and miscellaneous services.

In recent years, Wake Forest has received national attention for launching a comprehensive technology initiative that provided laptop computers to students and wired all buildings for fast Internet access. The University operates its own technology support system, which includes a campus office where students may call day and night with questions about their computers and software. It also staffs residence halls with student technology advisors who help fellow students.

Since it began providing IBM ThinkPads to students in 1996, Wake Forest has added numerous online services, including application for admission and course registration. From residence halls, classrooms, and offices, students and faculty also can use their laptop computers to search online for more than one million volumes in the library collection. The library also makes available online more than 500 electronic databases and journals, as well as an image database.

After graduating, students may take part in Wake Forest's newly established online community, which permits graduates to keep their e-mail addresses for life.



A THINKPAD IN EVERY BACKPACK

is part of the overall Plan for the Class of 2000, now known simply as the Undergraduate Plan. The point of the plan is to take higher education at Wake Forest to a new level with an intensified commitment to individualized instruction, faculty-student interaction, and small classes. All freshmen receive an IBM ThinkPad, which they trade for an upgraded one in their junior year. Upon graduation, the students own the computers. With the plan came extensive computer wiring to residence halls and classroom buildings, and a high-speed fiber optic network around campus.

Paul Escott, dean of the College, said the ThinkPads have changed the educational experience at Wake Forest. Students now enjoy greater access to resources and outside experts, as well as enhanced communication with their instructors. "Technology multiplies the opportunities for a student to be an active learner and increases his or her responsibility to evaluate information critically," Escott said. "The faculty has been working hard to enrich students' education through use of technology and to make teaching more effective, and I believe that our faculty is succeeding."

Nathan Kirkpatrick, a junior from Boone, North Carolina,

agrees that the ThinkPads have had a huge impact on the Wake Forest experience. "In the last three years, the technology has really changed the classroom," said Kirkpatrick, who based his decision to attend Wake Forest in large part on the technology plan. "We are no longer bound by the confines of Tribble or Calloway or the library. The amount of access to information is amazing."

Kirkpatrick points to an astronomy lab he took in which students used their ThinkPads to simulate the motions of the heavens over thousands of years with the touch of a button. "The technology allows students to simulate something that there would be no way of directly experiencing," he said.

So far, the main role of the ThinkPad in Kirkpatrick's classes has been that of a tool for learning outside of class—e-mail discussions

during group projects, Internet research, asking the professor questions by e-mail—but he thinks that will change as students and faculty alike become more comfortable with the technology. And as soon as all students have a ThinkPad. "The largest problem has been the presence of computers in the lives and rooms of some students and their notable absence in others," Kirkpatrick said. "Next year, when every student has a ThinkPad, we can see what the technology can truly do."

Ed Childress, a graduating physics major from Marietta, Georgia, said it was inconvenient not having a ThinkPad. "I wish I'd had a ThinkPad because of the programs we were required to use in physics," he said. "It was very frustrating, especially in labs, when I was the only one there without a computer. I used my roommate's computer to do homework, but

when he needed to use it, I couldn't do the work."

Childress said physics professor Rick Matthews helped him get access to the software he needed for class, software that he said was very helpful. "Before, when we had to build a circuit, we had to do the assignment and turn it in to see if it worked," Childress said. "Now, we

Below left: graduating senior Jill Rader perceived pros and cons. Below inset: Nathan Kirkpatrick ('00) foresees more change as students and faculty become more comfortable with computing.





PHOTO BY MARSHALL MARVELLI

could find out using the computer if a circuit works before we turn it in. It's a lot easier to learn electronics if you can actually build the circuit and find out if it works."

Matthews agrees. "Outside academe, there is no use for a circuit that doesn't work," he said. "I don't grade homework anymore—it's either a hundred or a zero; it either works or it doesn't. When the students test a circuit and they see it doesn't work, that's where the real learning starts. They're thinking and rethinking. It makes homework and class more like lab, and we can cover more ground."

So much more ground, in fact, that Matthews said physics students are learning, at a minimum, one-third more than they were before the new software and ThinkPads came along. "It would be difficult to overstate the positive impact of the technology," he said. "The bad news in a physics experiment is that things happen so quickly, sometimes

in seconds. Before, the students could only watch something happen once, and they had no access to it again. Now, we have video clips of experiments on the Web. The students can pull one up and look at it again. They can slow it down and watch it frame by frame until they understand what's happening."

The physics department has also begun using a "just-in-time" teaching technique, made possible by the ThinkPads. Students are asked to submit a homework assignment on the Web, say, by seven a.m. on the day of class. The professor can review the assignments and modify the eleven a.m. class to address any misunderstandings that showed up in the work.

"I have seen more change in the way people teach and more talking about teaching in the last four years than ever in my nineteen years here," Matthews said. "Many faculty members are rethinking the fundamental way they're teaching for the first



Top: ThinkPad-less Ed Childress ('99) found physics lab more frustrating than Tammie Dunn ('00). Above inset: STAR Joe Volpe helped Ralph Tower incorporate technology into his tax courses.

time in their professional lives. This is stimulated by the new opportunities, even if all the ideas are not dependent on the technology."

Peter Tarsa, a graduating physics and chemistry major from Massachusetts, was not all that impressed by the technology. "I still prefer the chalkboard. It's more

personal," he said. "That way the teacher is actually teaching as opposed to clicking on buttons."

Tarsa said the physics department is probably unique because computers were already heavily used and because there are obvious applications for the technology. Friends in other majors, he said, used their ThinkPads mostly as a word processor.

It's true that creative uses for the ThinkPads—beyond using software programs to turn out fancy papers with charts and graphs or using e-mail to stay in touch with mom and dad—are still scarce for many students. But as with anything new, there's a bit of a learning curve for faculty and students.

"Like any technological innovation, it takes a while to implement," said graduating business major Ryan Griffin. "I don't think they're utilizing it as fully as they could. Little has changed beyond submitting assignments over computers. The faculty needs to become more comfortable, and then it will be more noticeable."

The road may have been a little bumpy at the start of the ThinkPad program, said Joe Volpe, but that doesn't mean it's not a good idea for all students to have one. He said some seniors were bitter that they didn't get a computer, and they sometimes found it difficult to get along in classes where younger students and professors used them. But that problem will be smoothed out soon enough. "This is something that all of higher education is going to have to do," said Volpe, a computer science major who has already landed a job as a consultant for IBM. "If schools fail to embrace technology now, they will fade into

the past. Ten or fifteen years down the road, Wake Forest is going to be glad it did it. We'll look into the past and laugh about the bumpy road we had, and everything will be hunky-dory."

One reason to think everything will indeed be "hunky-dory" is that faculty members across campus are working hard to learn how to use the ThinkPads and how to incorporate technology in their classrooms. Many faculty members who need some help with this effort are being matched with a group of about forty technologically savvy students called STARS (Student Technology Advisors). Each student works for one semester on a project with a faculty member. Volpe worked with University President Thomas K. Hearn Jr. on several technological applications, helped Associate Provost Sam Gladding set up a Web site for the counselor education program, and assisted business professor Ralph Tower in setting up an online course.

"Right now many students think it's more or less a toy because the faculty are still trying to catch up in terms of knowledge," Volpe said. "Students use them to browse the Internet or do e-mail. But the tides are changing because the faculty is getting more comfortable. It's forcing the students to start using them as a tool."

Tower agrees with Volpe that the ThinkPads are a tool that can be used to enhance traditional teaching methods, not replace them. "The upside is that now we have easy access to information, and we can get things cheaply that we would never have been able to get before," said Tower, who teaches taxation in the Calloway School of Business and

Accountancy. "The downside is that in the tax area, there is a lot of concern that if we give up paper research, the students won't have the depth of understanding. The Internet is a mile wide and an inch deep. You can find a little bit about a lot of subjects."

To counter that problem, Tower exposes students to both conventional paper sources and Internet sources. He said if you use the technology with prudence, you'll have good results. For Tower, one such use of the ThinkPads last fall was to turn a one-credit-hour course on tax research methods into an online class. With Volpe's help, Tower put the entire course online and let students direct their own pace of work throughout the semester. The students still had a textbook to read, but class announcements, assignments, and discussion came over the Web. Tower put his comments about each chapter on the Web site along with sample problem solutions to guide students' work. The written final examination made up the entire grade for the course.

In this case, the students were all enrolled in Towers' corporate tax course, so he checked with them in person periodically to see how they were coming along. Because the course is such a hands-on experience, Tower said he felt like he was wasting time lecturing in person on what amounted to a reiteration of the text. "Our professional students don't have a lot of flexibility in their schedules," he said. "I wanted to build some in. Many of them are off in Atlanta or San Francisco interviewing for internships, and this allows them to budget their own time."

The ThinkPads have also given students an avenue for increased

communication among themselves, the faculty, and even people around the world, said Charles Kennedy, professor of politics. Last fall, Kennedy and Craig Runde, director of the International Center for Computer Enhanced Learning at Wake Forest, teamed up to teach a first-year seminar that examined the stress on today's nations caused by various aspects of globalization. "I was a little skeptical about the technology, but this worked well," Kennedy said. "It would not have been possible without the ThinkPads." The course included an ongoing e-mail discussion among the students and Wake Forest alumni working on global issues in such places as Washington, D.C., Switzerland, Pakistan, Venezuela, and Australia. Not only did the students get rich, first-hand information, but they also made personal contacts that could help them later, he said.

An interesting side benefit of the e-mail discussions was that the students' writing skills improved dramatically over the semester, Kennedy said. "The comments were not as well-written at first. But the practice of writing on a daily basis and knowing that everyone was going to read it made quite a difference."

Kennedy begrudgingly acknowledges the benefits of the technology. "I've been a late adopter of the technology. I've been teaching for twenty years, and I've been skeptical about the extraordinary costs to the university," he said. "But I can see it has the potential to remarkably improve the quality of education if used creatively."

Kennedy thinks the main benefit right now is e-mail because it's quick and easy to use, and has greatly increased the level of contact among students and faculty between classes.

Rich Graves, a junior computer science major from Virginia Beach, Virginia, agrees. "It's especially good communicating with professors who are sometimes intimidating," he said. "You can ask questions or set appointments without having to track them down. The obvious downside is that we are losing a lot of one-on-one communication."

On the other hand, e-mailing a professor can lead to enhanced communication in person, said graduating senior Andy Crawford. "You can type a question to a professor even in the middle of the night, and you don't have to catch them in their office," he pointed out. "I had one professor that I e-mailed all the time, and it let us have a different level of relationship."

Robert Swofford, professor of chemistry, said he still has as much face-to-face contact with his students as he did in the days before e-mail. The technology expands the time available to interact and allows students to get questions answered before class. "It avoids having students coming to class confused," Swofford said. "It's more efficient and you have a richer discussion." Swofford broadcasts the answers to individual questions to the whole class, making the question-asker anonymous, so all the students can benefit.

The 1998-99 school year has been the first one in which all of the students in one of Swofford's junior-level chemistry courses have had a ThinkPad. "It has changed the scope of what we can do in that class," he said. "We can do computations in quantum mechanics on a ThinkPad that ten years ago would have taken the largest computer out there." In the past, many chemistry students got lost in the complicated math; now a software program helps remove the

math anxiety so they can concentrate on the chemistry. That means the students, most of whom are preparing for medical school, will be much better prepared.

Patricia Dixon, instructor in music, said the ThinkPads can have a positive impact on students as long as teachers don't get so wrapped up in them that they lose track of good teaching and research. "The computers are definitely preparing students to face the challenges of the new millennium. It's giving them an advantage," she said. "But we can't forget that there are more important factors in good teaching. There are skills students must have that they can't learn from a computer."

Dixon incorporated the ThinkPads in a first-year seminar on the music of protest in the Americas last fall. She and the students both learned to do PowerPoint presentations that she said made class a lot more lively. Students had the chance to see pictures and watch video clips that facilitated the presentation of the course material.

Amanda Epstein, a junior business major from Coral Springs, Florida, helped Dixon with her computer skills through the STARS program. She said the ThinkPads have opened up a new world of computing for both students and faculty. "Everyone has computers, and everyone uses them," Epstein said. "Students need to learn to use them too, and the ThinkPads are opening us to new skills. Everyone who comes out of Wake Forest will know Microsoft Office, for example. It's going to give us an edge in competing for jobs."

In fact, the technology program had a great impact on

Epstein's decision to enroll at Wake Forest. "I've been using computers since I was five," she said. "I'm into technology, and I think this plan is impressive. Computers don't substitute for good teaching, but they help you expand your knowledge if you use them right."

Is Wake Forest a different place because of the ThinkPads? Swofford, for one, doesn't think so. "Technology is just a tool; the classroom is full of tools," he said. "It can be a very powerful tool, but the learning hasn't changed. The challenge of helping students learn how to learn is the same. They just have more resources. It hasn't changed the character of the school at all, it's changed the level of things we can do in the learning environment."

"It's one thing to be able to look at a picture in a book, and it's another to be able to do all the necessary calculations to produce that picture," Swofford continued. "It's by doing

that one really learns and understands. It has improved the academic climate, but it's just one more tool in the toolbox. It's probably no more of a change in the nature of Wake Forest than the automobile or the telephone."

Jennifer Burg, assistant professor of mathematics and computer science, said the ThinkPads, rather than changing the nature of Wake Forest, enhance it. "We all feel like we're in the middle of this time of change, and we have to re-evaluate our teaching strategies," Burg said. "For some it might result on falling back on ways that work for us and for others it might break you open into completely new ideas, not only in the way you teach but in the content of your courses. It has the potential for getting students involved in authentic experiences, going to the sources, having direct contact with other cultures. We're talking about a liberal-arts education which is supposed to

be a mind-expanding, eye-opening education. That's what these computers have the potential to do." **W**

Special thanks to Erin Corey ('99) for conducting interviews for this article.

Below left: chemistry professor Robert Swofford still has plenty of face-to-face contact with students. Below inset: students share ThinkPad to conduct a frog muscle experiment in biophysics lab.



E s s a y



The Plan for the Class of 1914

by Randal Hall ('94)

IT IS A TIME OF technological innovation, economic change, ever-improving communication, and preoccupation with efficiency. Conservative leadership and huge corporations underscore the prominence of business. Many intellectuals express concern that older values are losing ground, and morality lies at the heart of many public discussions.

At such an unsettled, dynamic time in history, American universities, defying their false reputations as ivory towers, have little choice but to respond to trends in the larger society and culture. The story of revisions in the curriculum at Wake Forest occurs within the context of such a larger tale.

The period described above is not the present. Nor are the revisions in question those of today's Wake Forest Undergraduate Plan. These were conditions of a century ago, when presidents Charles E. Taylor and William Louis Poteat brought the college into the twentieth century amid a hearty debate over the purpose of higher education and its role in the South and the nation.

In the late nineteenth century, Wake Forest struggled to recover from the devastation of the Civil War and to maintain a distinctive identity in the competitive arena of higher education in North Carolina. President Taylor candidly noted to the trustees in 1886, "The law of the Survival of the Fittest rigidly applies to all institutions of learning.... In order to retain prestige, we must increase prestige. Unless we can continue to furnish equal facilities for education with those offered by competing institutions, our Baptist young men will go—and, shall I say, ought to go—elsewhere."

Taylor put his beliefs into action during his tenure as president from 1884 to 1905. He incessantly raised funds to place the college on solid financial ground and to update and expand its physical facilities. More importantly, he kept a modern air within the college by leading the faculty through a dramatic expansion of the course offerings. The college split the traditional sciences (natural history and physical science) into the modern disciplines of chemistry, physics, and biology, expanded modern language offerings, introduced the social sciences, and hired some faculty sporting the newly prestigious Ph.D.

Today's transformational Undergraduate Plan had a precedent in an equally revolutionary curricular overhaul in the early part of the century—one induced by remarkably similar circumstances.

degree. Even with these accomplishments, Taylor continued to look towards the future, telling the trustees in 1894, "we are probably at a turning-point in the history of the College. Before many years have passed, it will be decided whether it is to have the opportunity to expand naturally into a great institution...."

In the 1890s and just after the turn of the century, Taylor and the faculty took several steps to ensure that Wake Forest would become that great institution. Within a decade the institution established professional

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*Charles E. Taylor**William Louis Poteat*

programs in law, ministerial studies, education, and medicine. The explosion of course offerings in the sciences and the social sciences and the growth of professional training led students and some faculty to chafe at the restrictions of the older degree programs. The season of the classical curriculum waned, and Greek and Latin requirements were diluted. In 1890 and more fully in 1896, the faculty allowed students to choose elective classes, giving them almost complete freedom to arrange the last two years of their coursework.

In 1905 Taylor retired from administrative work with his vision

for the school firmly in control. In his place came William Louis Poteat, a vigorous teacher of biology who had devoted his life to Wake Forest. Poteat took the helm of Wake Forest amid a storm of controversy about the purpose of higher education, and the alterations in the Wake Forest curriculum under Taylor were directly implicated.

At the turn of the century, universities in the South had recently discovered the idea that educational institutions should play a role in public service and progressive social reform. Even many university leaders who found professional education to

be too materialistic turned their back on traditional liberal subjects in favor of promoting the social sciences as incubators of social reform, a way for the university to break the force of tides of economic and social change. Adoption of the elective system at most universities had further tended to drain the momentum away from guardians of the traditional cultural heritage. Students found most appealing those courses with some immediate application in the economic bustle of the materialistic, urbanizing, industrializing environment of the New South. As a result, advocates of colleges and universities as carefully

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controlled training grounds for character and scholarship found themselves on the defensive.

It remained for leaders such as William Louis Poteat—moralists deeply rooted in Christianity, classics, and liberal learning—to speak for retaining the best of traditional values. Poteat helped Wake Forest to find a compromise between tradition and modernizing change. In the realm of morality, he rapidly discerned a “deepening tide of secularism in education” and tried to hold it back by publicly celebrating the role of denominational colleges. He persistently urged students to welcome as their duty a guiding role in leading society toward moral ends—for example, by agitating for any of a variety of progressive reforms such as regulating child labor and caring for the insane. The privilege of education, he insisted, brought with it a duty to seek more than professional training.

In regard to the curriculum, Poteat faced a more subtle challenge in mediating past and present. He looked back upon the many changes at the college since his student days in the 1870s and found the new system lacking in some respects. He explained that “the scientific revolution of the last century” had produced an “enormous multiplication of human interests and activities.” However, requirements for the Bachelor of Arts degree had been established before the scientific revolution. The result was a widening “hiatus between college and life,” with an old classical curriculum remaining in the late nineteenth century the standard for the degree

Much like the changes of

1910, the Undergraduate

Plan responds to change and

seeks to help Wake Forest

remain a great institution.

while new subjects were demanding attention. The system of electives, popularized by Harvard, admitted the fresh disciplines into degree programs by tossing out traditional strictures. Poteat protested early in his administration, however, that “the wide range of electives has failed to close the hiatus and now bears the additional discredit of relaxing the severe and wholesome discipline of the old standards and dissipating in numerous superficialities the solid attainment for which the old degree was the universal symbol.” In short, he felt that Wake Forest students received an inadequate and superficial education because they failed to grapple deeply with ideas of universal import. The undergraduate school seemed under threat by waves of professional and scientific training.

In March 1909 Poteat proffered his solution to the faculty. He proposed to organize the courses “anew with two general purposes in mind, namely to limit the abuse of the elective system and to bring the work of the College into closer relation with the life career of the student.” Poteat surmised, “There are certain subjects which are of universal human interest,

as opposed to special, vocational interest.” His scheme required all students to devote the first two years of their study to such topics, the list of which included Latin, English, a modern language, math, chemistry, physics, biology, philosophy, and history.

In place of the previous free choice of electives, the second half of the new undergraduate curriculum was to be devoted to one of seven groups of electives, each designed to prepare the student for a specific professional direction in life. Choices among these prototypical majors included letters, civics, ministry, education, general science, engineering, and medicine. In this way, Poteat and the faculty believed, selection among electives would “be controlled and directed into channels which pass without break into the student’s life career.” The allotment of two years of coursework for career preparation would occur “without loss of culture value” in the overall education, because a core of liberal arts would be protected in the required courses.

The spring of 1914 marked the graduation of the first class whose work had been entirely guided by the new curriculum. The 1910 changes could perhaps be called the first undergraduate plan of reform at Wake Forest, and at the 1914 commencement Poteat looked upon its fruit and called it good. He placed before the graduates the question of “whether the new curriculum, judged by its product, is entitled to be called ‘liberal’,” in the literal sense of liberating the student. “Has the truth so known,” he continued, “while serving to connect your training with your task, done for you the supreme

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service of making you free?" He judged that it had, that each student was on the road "to some leading vocation" while finding greater emancipation in the moral, intellectual, and spiritual realms.

Though refined into a system of majors and incorporating new requirements and fresh fields of study, Poteat's basic curricular structure has endured at Wake Forest. By the 1990s, though, Wake Forest found itself at another point of reckoning in facing the accumulation of changes in the school and society. Wake Forest attained a size more than four times greater than at its height under Poteat, and many in the college feared that some students were not receiving the level of personalized intellectual stimulation and close guidance that had long marked a Wake Forest education. Further, America in the 1980s and 1990s underwent a technological revolution with implications as profound as the changes of the late nineteenth century. Knowledge of computers could no longer be absent from the repertoire of a well-educated citizen.

Much like the changes of 1910, the Wake Forest Undergraduate Plan has not only responded to the changing shape of American life, but also has sought to help Wake Forest face internal changes and remain a great institution in a new time. In a statement introducing the plan in 1995, President Thomas K. Hearn Jr. indicated that the initiatives "would enhance student learning and improve the academic climate of the college." He emphasized that "we see technology as a tool of the liberal arts, not an end," while the use of

laptop computers was to be simply "one facet of this larger plan to deliver individual education in an even better way." John G. Medlin Jr., then chair of the Board of Trustees, concurred: "Learning can be enhanced by the kind of plan we have adopted." He hoped students and professors could "spend less time on gathering information and more time on analyzing it together." He and the board expected the Undergraduate Plan to be one of those moments in the University's history when "Wake Forest has taken some giant steps with the future in mind."

Implementation of the plan is nearing completion. Beginning in the fall of 1999, all four undergraduate classes will possess laptop computers, and faculty members have identified many appropriate ways to take advantage of technology in teaching. The hiring of dozens of new faculty has lowered the student-faculty ratio to under 12:1, and the creation of the mandatory first-year seminars and writing seminars forces students to analyze, argue, and write from virtually their first day on campus.

Just as President Poteat used his baccalaureate address in 1914 to reflect on the changes he had brought to fruition, the University community, over the course of the next year, should seize the opportunity to evaluate our recent innovations. Has technology served as a means to improve the liberal arts? Have the first-year seminars helped to enliven the intellectual climate of the college? Do the changes make the University attractive to a student

body that differs in positive or negative ways from those of the past? Has the influx of new faculty enabled our curriculum to be flexible in meeting demand for courses in innovative areas? Are our students prepared to enter the work force in the new millennium?

If the members of the class of 2000 emerge as intellectually engaged, global citizens who have the ability to think analytically, write well, and use technology, then the University community deserves the same sense of satisfaction that William Louis Poteat found as he surveyed the class of 1914. **W**



Randal L. Hall ('94) is assistant director of admissions at Wake Forest. In 1998 he completed a doctorate in history at Rice University. His dissertation, to be published by the University Press of Kentucky, analyzed the historical significance of William Louis Poteat.

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The Mirror's Tale

by Robert N. Shorter

BEGIN MY UPPER division course in Chaucer by asking the students to write down whatever they know about the medieval period, and then to tell me the inclusive dates of the Middle Ages and what they were the middle of. Eventually all of them will admit they know not much more than nothing about the Middle Ages.

There are advantages for me in facing a class of students truly ignorant in my field. They will learn that Chaucer wrote Middle English, not Old English, that his language must be modernized, not translated, and that the death rate in the fourteenth century was one hundred percent. Beyond that, I will gladly take credit for anything they learn, but first I have to de-twentieth-century-ize their assumptions about the unknown past.

They—and I, and all of us—live in a post-Romantic, post-Darwinian, post-Freudian, post-Einsteinian, and now postmodern world. All these “isms,” except possibly postmodernism in which nothing may be real, share the assumption that reality—“real” reality, the “truth” that finally matters—resides within a physical,

material, non-theological world which can be understood by the intellectual capacity of the human brain.

Such a world excludes, and by excluding denies, the spirit of humanity and the presence of God, or perhaps even worse, reduces questions about them to the limbo of relativism known as belief, another way of saying unimportant. Medieval theologians, philosophers, kings, and people in the street certainly knew that the physical world exists, but knew that it was contingent upon the ultimate reality of God and the universe of spirit. According to *The Consolation of Philosophy*, a work which Chaucer translated into English and which profoundly influenced his own thinking, “the common judgment of all rational creatures holds that God is eternal,” so that the very definition of reason requires acknowledgment of and submission to God.

To clarify this point, I try to get the students to see the difference between the statements “I *believe* there is a God” and “I believe there *is* a God,” by asking whether they believe in the law of gravity. If a lively student says no, or if no one says no, I ask them what they would do if

What could possibly be more relevant to the life of a young person in the late twentieth century than the writings of one in the fourteenth?

their child, poised to jump off a steep cliff, said “Don’t worry, mommy and daddy, I don’t believe in the law of gravity.” They see the point: the laws of the physical universe do not depend upon human belief in them; they operate, and in their operation destroy those who violate them.

From this simple example, I make three points. First, in the medieval world-view, moral laws are even more absolute than physical laws. They do not depend on human perception or belief: they operate, and those who violate them are inevitably destroyed.

Second, I introduce the question of free will in relation to moral law and the foreknowledge of God as the single most important philosophical-

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theological question that Chaucer consistently raised. The question of free will must begin with the recognition and acceptance of areas where we are not free. Duke Theseus says at the end of "The Knight's Tale:" "Thanne is it wysdom, as it thynketh me, / To maken vertu of necessitee," and most of us accept the force of gravity. Just so, Christian wisdom willingly submits to the laws of God.

Christian wisdom, however, is difficult for most Christians. This difficulty lies at the center of Chaucer's art. The law of gravity is easily tested by human experience, but the laws of God are not. When in "The Knight's Tale" Arcite dies, the narrative voice comments that "His spirit chaunged hous and wente ther / As I cam nevere, I kan nat tellen wher." Arcite's final resting place lies beyond and cannot be tested or known by human experience. Easy enough to say God exists, but past that statement lie great difficulties. By the time I get to these difficulties, I hope my students are making the effort to get outside the limitations imposed on them by their place in history and limited experience, and I think this effort constitutes one of the greatest challenges and values of literature.

My task and theirs then becomes two-fold: one, to learn, understand, and apply to the reading of Chaucer those contexts of the fourteenth century, such as the Hundred Years War, the Avignon Papacy, followed by the Great Schism of rival popes



in France and Italy, the plague which ravaged Europe periodically after its first apocalyptic appearance in 1348-1350; in sum, the roots of the modern post-Christian era; and, two, to come to grips with those universal questions which a great artist can make timely and which simultaneously transcend their time.

In making my third point—the difficulty of Christian wisdom—I pose four questions. The first is, does God exist? The answer to this must finally, as well as initially, be a simple yes or no. We know, every freshman dormitory bull session soon knows, and people in the fourteenth century knew, that God's existence is neither proved nor disproved, but rather accepted or rejected, believed or not. From this simplicity follows great complexity. At the beginning of *The Consolation of Philosophy*, Lady Philosophy asks Boethius whether he believes in the providential universe—that is, whether he believes God exists. After his affirmative answer, she says in that case she can talk with him, with the clear implication that

had he denied the providential universe there would have been no common ground between them as the basis for discussion.

My second question asks, can humans know God and moral law? To put it another way, what are the possibilities of and barriers to knowledge in a world contingent upon the existence of God? If violating absolute moral law leads to destruction as surely as being broken on the rocks below, how do we apply moral law in our lives? If willing obedience creates the potential of salvation, we must first know what to obey before we can choose whether to obey. I require my students to read *The Consolation* and Lady Philosophy's argument as one proposed answer to such questions, but prefer myself to focus on the necessity for a theory of knowledge which starts with the paradox that humanity seeks universal absolutes in a limited, unstable, material world which does not and cannot contain them, and ends with the paradox which concludes *The Consolation*: "If you will face it, the necessity of virtuous action imposed upon you is very great, since all your actions are done in the sight of a Judge who sees all things."

The third question is the one of free will which I have already mentioned as so important to Chaucer. The Nun's Priest in his "Tale of Chauncleer the Rooster" says "That in scole is greet altercacioun / In this mateere, and gret disputioun, / And hath been of an hundred thousand men." Here is a clear statement that one of the most

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vexatious questions in human affairs has no definitive answer. The narrator goes on to say “I ne kan nat bulte it to the bren / As kan the hooly doctour Augustyn, / Or Boece, or the Bishop Bradwardyn,” not just three men with different views but three respected Christian authorities who cannot agree. This is not a counsel to despair, or perhaps worse to indifference; rather it emphasizes the importance of the search for the answer. The first step in the search is to test the limits of freedom; the second is to distinguish significant from insignificant freedom. Increasingly, the students learn Chaucer’s belief that human freedom is limited in significant ways, and all the more precious for that.

The fourth major question is whether humans are accountable for their actions. In the exercise of a limited free will, can they make responsible choices in the light of knowledge, or what they believe to be knowledge, of moral law? Does the concept of justice have real meaning, or is God’s judgment of human action finally unpredictable or even whimsical? Are heaven and hell appropriate reward and punishment for human behavior? A religion professor once asked me if there were anything my son could do for which I would condemn his soul to hell. When I replied “no,” he asked with a sense of triumph, “Would God do anything different for His children?” I immediately said “yes.” Maybe I was being overly argumentative, or



overly medieval, but I know that in Chaucer’s Christianity hell exists, and it is part of Christian wisdom to believe it.

However, Chaucer lived in a world in the process of losing its faith, and in this sense preparing for the twentieth century. My primary fascination is the context of this loss. I feel pedagogically justified in making to my students an exaggerated, over-simplified statement: Saint Thomas Aquinas, who died in 1274 and was canonized in 1323, single-handedly destroyed medieval Christianity. It was not, I add, his intention, but he did, in the *Summa Theologica*, clearly demarcate the boundary separating philosophy from theology, knowledge from faith. Saint Thomas basically stated that the domain of philosophy is whatever can be learned through the exercise of the finite human intellect, primarily logic in conjunction with observation of the natural world. The realm of theology is what cannot be known, but what must be

believed as revelations of faith grounded primarily in the Bible and their consequences. Saint Thomas intended to exalt theology far above philosophy, as God is infinitely above the human realm. Instead, by defining theology as beyond knowledge he prepared the way for the triumph of a worldly philosophy in which things can be known and its transition into modern science.

For Chaucer’s art, this means that he seeks to explore what happens to the concept of absolutes in the world of human experience. He is theological in his belief in God and an absolute moral universe, and philosophical in the great variety of humanity and human experience presented in his work as the world in which these absolutes must be understood and tested. He accepted, at least I believe he finally accepted, absolute statements—God exists, God is love, God is truth, the truth shall set you free—but ever and again probed the fundamental problem of what such statements mean in the human world to which we are all confined. If they mean nothing, if they do not both affect and effect our humanity, if they do not guide and inform and exalt our souls, then perhaps, absolute as they might be, they have no relevance to our human experience and should be abandoned. But such abandonment would put us in a world profoundly other than the one Chaucer ultimately inhabited.

I believe, however, that humanity has not profoundly changed. In the foreword to her book *A Distant Mirror: The Calamitous Fourteenth*

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Century, Barbara Tuchman points to general parallels between that century and our own, but leaves any specific connections to her readers.

Although it is not stated in my syllabus nor mentioned by me in class, I hope my students will do the same, not in broad historical strokes but in personal application.

In that hope lies my greatest satisfaction in teaching Chaucer: to lead students—or to try to lead students—to the realization that we go to great literature and find ourselves. If I have occasionally succeeded in doing that, it is to a large extent because more than any other author I know, Chaucer sells himself. I have never had a student end the course saying “I do not like Chaucer.” This universal appeal lies in his humor (I believe “The Miller’s Tale” is the funniest story ever told), his delineation and non-judgmental acceptance of human foibles, his wide-ranging, sympathetic, and fully realized portrayals of living characters, his gently ironic presentation of the whole human condition—in short, his humanity.

I also believe Chaucer speaks to our students at a critical time in their lives. We may lament their lack of intellectual curiosity, their materialism, their desire to major in business or to become doctors and lawyers and make money. But my experience tells me they also want to ponder and to wrestle with questions about human responsibility, moral issues, about the possibility of spiritual meaning in their lives, about their own humanity. Chaucer not only gives them that chance, but even more, in his own engaging and modest way he invites them to participate with him in his,

and finally their, search.

Matthew Arnold said Chaucer lacked “high seriousness.” I think Chaucer knew that if you cannot laugh at something, you probably cannot finally take it very seriously. Chaucer often makes me laugh, but he does far more than that, and I finally take him very seriously indeed. Now, as I look back from the perspective of my retirement age, I will confess something I have known for a long time: I never taught Chaucer. He taught me. He, more than anyone else, taught me tolerance and acceptance, without compromise of principled belief, of an astonishingly full range of the frustrations, failures, and absurdities of humanity and the human condition, as well as respect for the accomplishments, successes, and dignity of human beings. In the opportunity I have had over my years at Wake Forest University to study Chaucer’s work and to introduce him to students, I learned from him what it means to be human and therefore what it means to be myself.

I also took care never to preach Chaucer, even though I very much wanted students to see in his art the potential lessons about what it means to be human that have meant so much to me. If you are wondering what I did do, I talked a lot about Chaucer’s work and raised with students a lot of questions I wanted them to answer for themselves. To put this another way, I explored, and asked students to explore with me, what a great artist achieved in a world in which the inherited moral framework and everything in it were collapsing

around him into a disorder bordering on chaos. Out of this disorder Geoffrey Chaucer forged a profoundly ordered, meaningful, and enduring body of work from which we may learn enough about our own humanity to sustain us on our pilgrimage through life. If some of my students did learn that, then I can retire with the satisfaction that even if I did not teach Chaucer, at least I presented him in a way that enabled him to teach some very important lessons about what it means to be a human being. **W**



Robert N. Shorter joined the Wake Forest English faculty in fall 1958 and chaired the department for twelve years. His field is medieval literature with a special interest in the works of Geoffrey Chaucer. He ended his career as director of the Master of Arts in Liberal Studies program and associate dean of the Graduate School of Arts and Sciences. The preceding is drawn from remarks he gave at a reception sponsored by the Medieval Studies Program in his honor on March 24.

P r o f i l e



Associate Dean of the College Jeryl Prescott

A Major Minority Advocate

by Cherin C. Poovey

ONE DAY JERYL PRESCOTT asked her students, "What use is literature in a world fraught with so many social and political issues?" Her enthusiasm overcame her, however, and she found herself answering her own question. "We get human insight from literature; we get a chance to explore different experiences vicariously and to see the commonality of the human experience. That's why I love literature and think it's more important today than ever for us to see how people connect with each other."

Her love for literature is so strong, in fact, that it prompted a career change. After being highly recruited by Clemson University and graduating with a degree in industrial management engineering, the Hartsville, South Carolina native realized that she was "dreadfully bored." She recalled enviously the days when she had quizzed her roommate, who was studying to be an English teacher, on the world's great books. A loyal reader of Maya Angelou, Toni Morrison, and other African-American writers, she decided to enter graduate school at N.C.

A&T State University in their program of African-American literature. After earning her doctorate at South Florida, Prescott interviewed for three teaching positions and got three offers; she chose Wake Forest, and joined the faculty in 1994, teaching American literature and African-American literature. In 1996 she was named assistant dean, then, after a national search, promoted to associate dean in 1998. Today, in addition to her teaching, she has many administrative responsibilities such as providing academic counseling, serving on the Judicial Council and the Committee on Academic Affairs, and working with the Academic and Community Engagement (ACE) Fellows Program, which helps six faculty members incorporate service learning into their academic courses.

On her own initiative, Prescott has begun a study of minority student recruitment, retention and success at Wake Forest; she plans to present her findings and recommendations to the administration. So far she has interviewed seventy-one minority students as well as twelve administrators. She describes what she's heard as both encouraging and distressing. "Encouraging, because I

Jeryl Prescott's love of literature informs her persistent and positive efforts to address diversity issue on campus.

found that minority students come to Wake Forest with the same expectations as other students," she says. "They expect to benefit from the wonderful academic reputation and the small classes that promise a nurturing environment. Distressing, because their testimonies suggested that they are not getting all they expected; there seems to be a bit more isolation than involvement, and they feel cheated."

The University has good retention rates among all students and that includes minority students, says Prescott. Based on anecdotal evidence, minority students report that when they reach professional schools or careers, they feel a step up on the competition. At the same time, she says, they think the climate for minorities, both academic and social, can be improved. "We have a lot to

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Devoted to and popular with students, Prescott finds time to pursue her passions for reading, tennis, and writing.

“Another big goal I have is that the University as a whole show greater commitment to diversity and multiculturalism that comes from everywhere instead of centralized in the Office of Multicultural Affairs,” she says, “so that students feel the University is a place to which they can claim ownership and which embraces them. We need such an office, but it shouldn’t be the only place of support.”

Because she has had the benefit of attending several types of schools (Clemson is large, A&T is historically black, and South Florida has many nontraditional students), Prescott believes these experiences have better prepared her to be a teacher and administrator at a small private school. “It has helped me see how much students appreciate it when a professor knows their name or asks how they’re doing,” she says. “It motivates me to do more of that.”

An avid reader and tennis player, Prescott is also an author, having written poetry and a play which has been read at Reynolda House and by professional actors in New York. Titled *Crystal Stairs and Other Delusions*, it is the story of a young professional black woman who is coping with issues of identity because of the disparity between her working class roots and her now middle-class experience. She hopes to submit it to this summer’s National Black Theatre Festival. With a smile she says, “I won’t tell you how much of the play is autobiographical.” **W**

be proud of, but we have to take seriously the social and academic discomfort of minority students; we see such social satisfaction from our white students—I don’t want us to excuse the social discomfort of our minority students by saying ‘Look at the academic benefits they have.’”

Prescott believes that the University is sincere in its continuing efforts to address these concerns, particularly by diversifying faculty and staff. She would like to see Wake Forest extend its mentoring efforts into the community, where there are a number of ethnically diverse role models. For instance, she would like to take a group of minority pre-med students to a Winston-Salem practice staffed completely by minority and ethnic physicians. “For white students it is not unusual to walk into a clinic and see only white doctors,” she says. “For black students, [seeing only doctors of color] is a rare experience.”

In terms of recruitment, Prescott supports the broadening of Wake Forest’s geographical target areas and the pursuit of more first-generation college students. “This would improve not only the ethnic diversity but also the socioeconomic diversity,” she says. “Something that we see all the students lament, including white students, is the homogeneity of the University, not only in color but also in social status. Students love to point to the number of SUVs and J Crew labels. That dilutes the college experience for all students to be in an environment that doesn’t offer a more diverse population.”

Hand-in-hand with her recruitment goals come the establishment of increased scholarship and financial aid for minority students, as well as some sort of financial support for summer school, so students won’t feel so much pressure to load up on rigorous courses during the academic year.

So, you thought you knew Wake Forest!

The results of the Wake Forest trivia contest that appeared in the March issue are in, and the winner, by a nose, was a consortium of Wake Foresters led by Tom Phillips ('74, MA '78), associate director of admissions, and his mother-in-law, Anne Tillett, chair and professor emerita of Romance languages. Other members of their team included Janine Tillett ('76), Tom's wife and Anne's daughter, as well as Tom and Janine's children, Lowell Tillett and Lucy Phillips. Steve Killian ('89) of Towson, Maryland,

grabbed second place in a valiant effort that fell short of a first-place tie by a single answer. Third place went to Mary Hendricks Hitchcock ('60) of Youngsville, North Carolina, and a formidable trivia player in her own right. Congratulations to all the winners, and thanks to everyone who entered.

Here is a complete list of the correct answers:



people

1. Thurman D. Kitchin
2. Carroll O'Connor
3. William Louis Poteat
4. Edward Reynolds, class of 1964
5. Lewis Aycok
6. Elizabeth Drake
7. Jeanne Owen
8. Lois Johnson and Lula Leake
9. Robert M. Helm
10. Edwin G. Wilson

16. Huffman Hall
17. Second floor of Reynolda Hall
18. Davis Field
19. The Old Howler Tree
20. 1952

29. Field hockey, tennis, volleyball, golf, and basketball
30. Billy Andrade, Jay Haas, Gary Hallberg, Scott Hoch, Joe Inman, Len Mattiace, Arnold Palmer, Jay Sigel, Curtis Strange, Leonard Thompson, and Lanny Wadkins

39. James H. Walton, Harold Tedford, John E.R. Friedenberg
40. Hal Holbrook

miscellaneous

41. "Covers the Campus like the Magnolias"
42. Michael Dukakis and George Bush in 1988
43. B: \$800
44. 1942
45. Tom Clancy
46. The forty-seven bells of the Janet Jeffrey Carlile Harris Carillon in Wait Chapel
47. A freighter
48. High Times
49. Sparky the Dog
50. The passing of the Russian satellite Sputnik

sports

21. Horace "Bones" McKinney in 1960 and 1961, and Dave Odom in 1994 and 1995.
22. For thirty consecutive years, Arnold Palmer was the top grossing athlete in the world in terms of endorsements.
23. 1962, Ohio State
24. Jerry Lucas of Ohio State
25. Bill Ard
26. Marge Crisp and Dot Casey
27. Baseball
28. Dickie Hemric, Len Chappell, Skip Brown, Rod Griffin, and Tim Duncan



the arts

31. 1976
32. The music wing
33. Music was taught in Wingate Hall, theater was taught in the library, and art was taught in both Tribble Hall and the library
34. Rhythms
35. Deborah S. David, physical education
36. Jeff Dobbs
37. Thane E. McDonald
38. Roy Prohaska

places

11. A fallout shelter
12. The new dorm
13. A hamburger joint and pool hall in Wake Forest, North Carolina, it was a favorite hangout of students on the Old Campus.
14. A Volkswagen "beetle"
15. Olin Physical Laboratory (1989), Benson Center (1990), Wilson Wing (1992), Worrell Center (1995)



S p o r t s

*New campus basketball practice facility unveiled***A building for programs**

PLANS HAVE BEEN announced for a new inter-collegiate basketball practice facility on campus.

The facility, which will be called the Student-Athlete Enhancement Center, will be located behind the Athletic Center between Kentner Stadium and the football practice fields. Construction will begin in late summer and be completed in time for the start of basketball practice in October 2000.

The four-story, 60,000-square foot facility will include a basketball practice area, new locker rooms for the men's and women's basketball teams, satellite sports medicine and equipment areas for basketball, and space for the athletic department's academic services component.

According to Athletics Director Ron Wellman, the facility was born from an urgent need. With the addition of volleyball as a varsity sport three years ago, usage of Reynolds Gymnasiums—specifically, the Varsity Gym—increased considerably. Volleyball season extends

from late August through November and basketball practice for men and women begins in mid-October, meaning that three teams were sharing Varsity Gym on an almost daily basis for a six-week period.

“Scheduling practice times that did not conflict with academic priorities for all three teams became a major problem,” Wellman said. “And on dates that volleyball had a scheduled match in Reynolds, the basketball teams were completely without a suitable practice facility.”

As Wellman and his staff looked at other needs, they determined that a basketball practice facility also could provide badly needed new space for academic services.

“We have known for some time that the needs of our academic services staff and the many student-athletes they support were not being completely met,” Wellman said. “We saw the opportunity to create a new and spacious area for that critical aspect of our program, and provide new offices and meeting space for our ever-expanding Balance [community outreach] program as well.



Architect's rendering of new facility. Kentner Stadium field is in left foreground.

“The Student-Athlete Enhancement Center will be much more than just a modern basketball practice facility,” he noted. “We will have a very functional building that will contribute greatly to our entire program in two areas that are of great importance to the personal success and development of every young person involved in athletics at Wake Forest.”

The project also will include landscaping and walkways surrounding the entire complex.

The Student-Athlete Enhancement Center is the second major multipurpose athletics facility to be built at Wake Forest in recent years. Two years ago, Bridger Field

House was opened at the south end of Groves Stadium. Besides football locker rooms and space for game-day functions, Bridger contains athletics administrative offices, the athletic ticket office, and facilities for University-wide meetings and social activities.

Although the total cost of the Student-Athlete Enhancement Center has not been determined, the athletic department is committed to financing it through an independent fundraising effort by the Deacon Club. Funds remaining from the Touch-down 2000 campaign that supported Bridger's construction will be applied to the new facility. **W**

Alumni Report



Alumni offer career advice to students through program.

Passing it on

WANT TO SHARE the secret of your success with Wake Forest students?

The Office of Career Services is looking for a few good men and women—make that as many as they can get—to offer career advice to



Katie Machi ('00) of Wytheville, Virginia, searches the ACAP database.

students through the Alumni Career Assistance Program (ACAP).

"Alumni are extremely important to opening doors for our students; they're critical to our mission," said William C. Currin ('60), director of career services.

"There's a role for everybody in ACAP."

ACAP volunteers choose what level of assistance they can provide, such as answering questions and offering advice to students; visiting campus to participate in career seminars; helping students find internships; and encouraging their company to recruit on campus.

If you have a job, students can learn from your experience, said Carolyn Couch, assistant director of career services.

"Alumni are a great source of information to help students explore various careers and, once they have decided on a field, to network in their field," she said. "It's especially useful for students wanting to go into career areas not represented in on-campus interviews. Networking is absolutely imperative in those cases."

About 1,200 alumni, parents, and friends have signed up as ACAP volunteers since the program began in 1991. Alumni who work in non-profit organizations, journalism, public relations, and research positions, and those who live in Boston, Chicago,

San Francisco, and Dallas are especially needed.

ACAP volunteers complete a questionnaire that asks about the academic qualifications and work experience needed in their field, how they got started and their career path, what they like most (and least) about their job, and career opportunities in their field.

Information is stored on a database accessible from the career services office. Students can "search" for any one of fifty-five job classifications—including medical, financial, sales, computer technology, public relations, legal, and non-profit organizations—and specify geographic locations, too. They can receive a print-out of alumni in the field and location they specified, their phone numbers and addresses, and the types of assistance each is willing to offer. **W**

To sign up for ACAP, the Alumni Career Assistance Program, visit the alumni Web site: www.wfu.edu/alumni (click on "Volunteer Opportunities" then "ACAP") or call the Office of Career Services, (336) 758-5902

Alumni Report

President's Column

ALL MAY BE QUIET on the Wake Forest campus now, but summer is just a brief lull between the busy off-campus spring clubs schedule and the busy on-campus fall events schedule.

Wake Forest Days was held again in six cities with great crowds turning out to hear football coach Jim Caldwell and basketball coach Dave Odom. President Hearn, Provost Emeritus Edwin G. Wilson ('43), and Director of Admissions William G. Starling ('57) also spoke at some of the receptions.

Some sixty-five Wake Forest Club events were held across the country this spring, including alumni receptions and receptions for new students. San Diego-area alumni toured the Pacific Fleet's newest aircraft carrier, the U.S.S. *John C. Stennis*, last month, while alumni in Baltimore, Maryland, held a golf tournament to raise money for scholarships at Wake Forest. New clubs are being organized in Mount Airy, North Carolina, and St. Louis.

There will be a planning workshop for Wake Forest Club volunteers on September 25 during President's

Weekend. The workshop, held every two years, brings club leaders together to exchange ideas for programs and discuss ways to strengthen the clubs.

This past spring also featured the annual "Dinner with 12 Strangers," where Winston-Salem alumni host students and a professor in their homes. While you may not live close enough to campus to host a "Dinner with 12 Strangers," there are other opportunities to host events for alumni, current students, and prospective students in your area. For instance, this summer about twenty alumni in different parts of the country will be hosting receptions for incoming freshmen.

Earlier this month, about forty alumni and their college-bound children attended the seventh annual Alumni Admissions Forum, a great program to help alumni children start the college search and admissions process.

Coming up in the fall is President's Weekend (September 25), College Homecoming (October 22 and 23), and homecomings for all the professional schools.

Also coming this fall are two publications that every Wake Forester will want—an updated alumni directory and a beautiful pictorial book on the University. The company publishing the alumni directory will be calling all alumni this month and next to verify that the information sent in on the questionnaires is still correct. Information on the pictorial book, which will be released in time for Christmas, will be mailed in late summer.

Finally, it has been an honor and a genuine pleasure to serve as Alumni Council president this past year. Wake Forest people and relationships just keep getting better and better with time. It has been a joy to work with alumni, the alumni office staff, and the administration, and I look forward to continuing those relationships. When the opportunity arises for you to participate in

alumni programs, I hope you'll take advantage.



*Diana Moon Adams ('78)
Bartlesville, Oklahoma
President, Wake Forest
Alumni Association*

You've Got Mail!

Catch up with Wake Forest friends and classmates through the Wake Forest Information Network. WIN is your free connection to:

The Online Alumni Directory
E-mail Forwarding For Life
Personal Information Form for change of address
And more services coming in the future.

@wfu
www.wfu.edu/alumni/win

Visit the WIN home page to sign-up and get reconnected with friends @wfu.

Alumni Report



PHOTO BY KENNETH GARRETT

Fall Weekends '99

September 25

*Football: Wake Forest vs
N.C. State*

President's Weekend

October 2

*Football: Wake Forest vs.
Rutgers*

October 9

*Football: Wake Forest vs.
Maryland*

*Babcock Graduate School of
Management Homecoming
Varsity Club Day*

October 23

*Football: Wake Forest vs.
University of
Alabama-
Birmingham*

*College Homecoming
Calloway School
Homecoming*

October 30

*Football: Wake Forest vs.
Clemson*

*School of Law Homecoming
Family Weekend*

November 5 and 6

*School of Medicine
Alumni Weekend*

November 20

*Football: Wake Forest vs.
Georgia Tech*

*For more information,
call the Office of
Alumni Activities,
(336) 758-5264.*

*For football tickets, call
the Athletic Ticket Office,
1-888-758-DEAC*

*Visit the Alumni and Friends homepage at
www.wfu.edu/alumni*

Life givers

*Bone-marrow typing drive a
big success*

MORE THAN three hundred students and others were "typed" at an on-campus bone-marrow drive in April in memory of Amanda Edwards ('97), who died of leukemia in 1997. Businesses and individuals gave more than \$17,000 to cover the \$75 cost for every person typed.

"We wanted to increase the number of potential marrow donors in the national registry and to educate people about marrow donation and transplants," said organizer Isabel Newton, who got to know Edwards during the spring of 1996 when they both spent the semester at Casa Artom in Venice.

"We more than tripled our original goal to type one hundred people and still had to turn some people away because our funds ran out. One very generous man sponsored himself and the ten people behind him just as I was having to turn them away."


Of the three hundred and eight people typed, seventy-six were minorities, which is important, Newton said, because minority donors are especially needed. Donors came to the Benson University Center to give a small sample of blood that was typed and the results added to a national

registry of potential bone-marrow donors.

Only thirty percent of those who need a marrow transplant find a match within their own family, leaving most to depend on unrelated donors. Edwards underwent a bone-marrow transplant but the only marrow available to her was not a perfect match to her tissue type and the transplant failed.

Some of the drive's major sponsors were the Hendrick Marrow Program, Regal Ford, Krispy Kreme, Sara Lee Corporation, Integon, and Murphy Gregg (MBA '86), Diamondback Grill.

For information on how to be "typed" in your area, call the National Marrow Donor Program, 1-800-MARROW2 or visit the program's Web site, www.marrow.org. Newton can be reached at

Isabel@alumni.princeton.edu. 

**COME BACK TO
WHERE IT ALL
BEGAN.**



*Trek to the
Old Campus*

MARCH 30 - APRIL 2, 2000

OCTOBER 22 AND 23

HOMECOMING '99



Friday, October 22

Campus Tours
 Half-Century Club Gathering and Luncheon
 Return to the Classroom
 Alumni-in-Admissions Training
 Old Campus Alumni Reception, Shorty's
 Alumni Reception and Salute to Wake Forest Theater,
 Bridger Fieldhouse

Saturday, October 23

Admissions Forum for Alumni Children
 Run With the Deacs/Brian Piccolo Cancer Run
 Festival on the Quad
 Calloway School Alumni Brunch
 Alumni Tailgate, Piccolo Park
 Wake Forest vs. University of Alabama-Birmingham
 Post-Game Reception, Magnolia Patio

Special reunion events for the Half-Century Club and the
 Classes of 1949, 1954, 1959, 1964, 1969, 1974, 1979, 1984, 1989, and 1994

For more information, call (336) 758-5941 or visit the alumni Web site, www.wfu.edu/alumni



Encore! Encore!

*Celebrating the tradition of Wake Forest Theatre
 during Homecoming '99*

University Advancement

Friend in need

Scholarship honors late alumnus who knew the value of hard work

JAY KEGERREIS ('70) gave new meaning to the term "work study." By his friends' and family's accounts, nobody worked harder to pay their way through Wake Forest than he did.

His mother, Verna Kegerreis of Richland, Pennsylvania, said her son

Senior Betsy Woodruff of Greer, South Carolina, is the first recipient of a scholarship named in memory of Jay Kegerreis ('70).



Jay Kegerreis

often worked three jobs—in the Wake Forest cafeteria and at Sears, McDonald's, and Pepsi-Cola Company at various times—while in school and at a steel mill during the summer to pay his tuition.

A new need-based scholarship in his memory will help students who, like her son, are willing to work hard and make sacrifices to afford Wake Forest.

"Without question, Jay was the hardest working individual I've ever known," said friend and fraternity brother Jeff Barber ('72) of Waverly, New York. "When we were in college, he wasn't around as much as the rest of us. There were many, many times he was working, and he just wasn't able to spend the time in fellowship that the rest of us did. He was always trying to better himself."

Jay Kegerreis died in January 1998 of a brain tumor first discovered a year and a half earlier. Unbeknown to anyone at Wake Forest, he left a third of his estate, about \$800,000, to the University. Although his will didn't specify what it was to be used for, his family asked that it be used to endow a scholarship fund. Business associates, fellow Theta Chi fraternity brothers, and other friends have donated more than \$10,000 to add to the fund.

"I appreciate young people who really try and work hard to get a college degree," Mrs. Kegerreis said. "I want to help those who can't afford it all on their own. I'm hoping whoever has the scholarship will work to pay part of their way. I think that's one way they can show appreciation for the scholarship."

The Kegerreis Scholarship will be in addition to whatever other scholarships the recipient is receiving and will

be used to eliminate or lower their loan amount.

According to the scholarship agreement, recipients must demonstrate "a willingness to work diligently both during the academic year and during breaks to earn money for college expenses...(and) a willingness to make personal sacrifices to attend Wake Forest."

That aptly describes Kegerreis, said Robert D. Mills ('71, MBA '80), another fraternity brother of Kegerreis and associate vice president of University Advancement.

"Jay came to Wake Forest with very little money and worked his way through college with two and three jobs," Mills said. "The purpose of the scholarship is to lighten someone else's (financial) load—to help someone who, like Jay, really wants to be here, but who we're about to lose to another university because of financial reasons, and who exemplifies the character and qualities that Jay exemplified, such as hard work, sacrifice, and dedication."

Kegerreis, who lived in Saginaw, Michigan, was vice president, treasurer, and secretary of Glastender, a manufacturer of restaurant equipment, at the time of his death. He donated equipment for the clubroom at Bridger Field House and for Shorty's in the Benson Center while both those projects were under construction in 1996. **W**

U n i v e r s i t y A d v a n c e m e n t



Dave, at left, and Larry Pollard

Giving and giving

Pollard brothers again benefit Wake Forest

A LAW SCHOOL graduate and his brother have established two charitable trusts valued at more than \$200,000 each, their second major gifts to the University in the last four years.

The trusts, established by Larry (JD '74) and Dave Pollard, both of Durham, North Carolina, will be used to fund scholarships and for general University purposes.

"We are pleased that deserving students will benefit from the scholarship aid," Larry Pollard said, "and that part of the proceeds will assist with the ongoing costs of running a great University—everything from administrative expenses to faculty salaries."

In 1995, the Pollards established several trusts that eventually will fund scholarships for undergraduate, law, and divinity students. Once the newest trusts become available, those funds will be divided between the scholarships and the University's unrestricted endowment.

The Pollards said they made their latest gift to honor their family's long association with the University. Their late grandfather, Egbert L. Davis ('04), was a prominent member of Wake Forest's Board of Trustees who helped bring about Wake Forest's move to Winston-Salem in the 1950s. Dave Pollard's daughter, Joy ('98), was the fourth generation of the Davis family to attend Wake Forest. **W**

A greater legacy

Clarence Patrick trust will benefit University

CLARENCE H. PATRICK, the founder of Wake Forest's sociology department who died in March, left behind more than a legacy of gifted teaching and research. He also left a charitable remainder unitrust—now worth more than \$400,000—to the University that will eventually be used to fund scholarships.

Patrick created the unitrust in 1993 but asked that it not be publicly announced until after his death. When the unitrust ends, it will be used to fund need-based scholarships. Patrick specified that preference for the scholarship should be given to physically disabled students.

A 1931 graduate of Wake Forest, Patrick joined the faculty in 1946 and organized the sociology department two years later. He served as chairman of the department until 1964 and retired from teaching in 1978. During his career, he became well known as an authority and writer in the field of criminology. He served on and chaired several state criminal justice commissions, including the Board of Parole, which he helped establish.

Shortly before he died at age 91, Patrick and a colleague

were updating a book on alcohol, culture, and society that he had written in the 1950s.

"What was remarkable about Pat was that he combined research and teaching over a very long period of time," said Professor of Sociology John Earle ('58), a former student of Patrick's. "What was even more remarkable was how involved he was in public policy-making. He brought theory and practice together as much as anyone I know."

In 1987, Patrick established the Adele and Clarence Patrick Lectureship Fund, which brings guest speakers to the sociology department each year. A seminar room in Carswell Hall was named in Patrick's honor in 1994 when the sociology department relocated there from Tribble Hall. **W**



Dr. Clarence Patrick

Class Notes



1920s

Leon Spencer ('27) is active with the Raleigh Lions Club; the Hayes Barton Baptist Church, where he assists with financial matters; and as a member of the board for the Baptist Employees Credit Union, which he founded during the years he served as comptroller of the Baptist State Convention of North Carolina. He and his wife, Jane, reside in Raleigh, NC.

1940s

Alice Lee Harris Barringer ('44) resides in Florence, SC. Her son, Ray Barringer, passed away on September 17, 1998.

Rogers H. Chenault ('46) is the author of the recently published book *The People's New Testament: A Literal Translation of the Textus Receptus Text of the Greek New Testament*.

1950s

Julian Burroughs ('51) recently exhibited a collection of his original artwork in the Calvin

Little Room of the Thomas H. Leath Memorial Library in Rockingham, NC. The exhibit featured works in various drawing media, including pencil, charcoal, and pastels, as well as oil paintings and sculpture. He taught radio, TV, and film courses at Wake Forest University for 36 years and also was the founding director of WFDD-FM, managing the radio station for 23 years.

Betty L. Siegel ('52) has been named to *Georgia Trend* magazine's list of "100 Most Powerful and Influential Georgians." She has also been selected for the Atlanta Business Hall of Fame. She is president of Kennesaw State University in Kennesaw, GA.

Billy F. Andrews ('53) made several presentations in the fall of 1999. Among them were "Neonatology: An Approach 1958-1998" at the Irish and American Paediatric Society in Killarney, Ireland; "The 40th Anniversary of the Neonatal Hand" at the Sixth Newborn

and Pediatric Symposium in Louisville, KY; and "Key Principles in Making Ethical Decisions in Pediatrics" and "The Rights of Children to Informed Consent" at the Fourth World Congress of Bioethics in Tokyo, Japan. He is professor and chairman emeritus in the Department of Pediatrics at the University of Louisville School of Medicine.

Evelyn "Pat" Foote ('53) was inducted into the United States Army Military Police Corps Regimental Hall of Fame in September 1998. She was also designated Army Spokesperson of the Year for 1997-98 by the Department of the Army Chief of Public Affairs.

Otis Sizemore ('58) is retired from Merck & Company. He and his wife, Beverly, own a business in Topsail Island, NC. He also serves as an alderman for North Topsail Beach.

Elizabeth York Enstam ('59) is the author of *Women and the Creation of Urban Life, Dallas, Texas, 1843-1920*, which won the 1998 Liz Carpenter Award for the best book on women in Texas and the 1998 Coral Horton Tullis Memorial Prize for the best book on Texas history. The book was almost a finalist for the Book Making the Most Significant Contribution to Knowledge Award given by the Texas Institute of Letters.

Robert V. Suggs ('59, JD '64) has reopened the firm of Robert V. Suggs, PA, in Greensboro, NC. The firm specializes in personal injury, civil litigation, bankruptcy, estate planning, and real estate.

1961

W. Richard Gentry (JD) was elected president of the Pennsylvania Conference of County Bar Leaders (CCBL), a statewide agency within the Pennsylvania Bar Association that provides training to local bar association leaders. A partner in the West Chester, PA, firm of Buckley, Nagle, Gentry, Brion, McGuire & Morris, he was president of the West Chester County Bar Association in 1992 and has served on the executive committee of the CCBL and in the PBA House of Delegates since 1993.

1964

Alfred M. Johnson has retired and is devoting his time to volunteer public service work with various amateur radio organization in the North Carolina Triangle area, including: ARES, the ARRL's amateur radio emergency service; SERT, the State Emergency Response Team; and SKYWARN, a team of weather observers trained by NOAA. His callsign is KQ4FP, and he encourages all other Wake Forest amateur radio enthusiasts to contact him via ARRL radiograms.

1965

Charles F. Lee (JD '67) has completed a two-year assignment as counsel for a congressional commission on veterans' benefits in the 21st century. He is now a Democratic counsel for the United States House of Representatives Veterans' Affairs Committee in Washington, DC.



Chenault ('46)

Leon Spencer has accepted an appointment as the new executive director of the Washington Office on Africa, an ecumenical organization advocating a faithful and just American policy toward Africa. An Episcopal priest, he also continues his work with Anitepam, a network of African-Anglican theological education programs.

1967

Ralph Lake recently retired as general counsel of Promus Hotel Corp. and joined the Memphis, TN, law firm of Burch Porter & Johnson as a partner. He also teaches at the University of Memphis School of Law.

1969

Robert M. Hathaway (MA '73) has left the staff of the House International Relations Committee after 13 years on Capitol Hill and has been named director of the Asia program at the Woodrow Wilson International Center for Scholars in Washington, DC. He continues to travel widely in Asia and to write and speak on Asia and United States foreign policy.

If you have news you would like to share — promotions, awards, honors, announcements of marriage, births, adoptions, deaths, etc.— please send it to Andrew Waters, classnotes editor, Wake Forest Magazine, P.O. Box 7205 Reynolda Station, Winston-Salem, NC 27109-7205. Internet: awaters@wfu.edu. We are sorry, but we cannot publish third-party news unless the person submitting it provides a telephone number for verification and accepts responsibility for the accuracy of the information.

Alumni Profile

Samuel Carson Flynn ('55)

Top gun

RECENTLY, THE Smithsonian Institution in Washington, D.C., decided that it wanted to put a Phantom F-4, one of the most heavily used Naval fighters during the Vietnam War, on display in its Air and Space Museum. But not just any plane would do. It wanted a fighter with a confirmed kill.

That's where Samuel Carson Flynn ('55) came in.

Flynn, a much-decorated Vietnam War Navy pilot who lives today in Virginia Beach,

Virginia, recalls his first MIG kill. On June 21, 1973, as he lifted his Phantom in formation from the deck of the USS *Saratoga*, three MIG fighter jets got airborne near Hanoi, headed north

toward China. Suddenly, they turned on their heels to vector toward Flynn.

Flynn's group was protecting a strike group which was going in on a target about halfway between Haiphong and Hanoi. About ten miles north of Hanoi, the group first spotted the MIGs. "They were high—at about 24,000 feet," he recalls. "Three of them and two of us. They rolled in, and we went up and after them."

"My NFO—that's Naval Flight Officer, the guy who takes care of weapons systems, navigation, radar work—almost immediately locked on to a MIG and yelled, 'Shoot! Shoot! Shoot!'," Flynn continues. "I pulled the trigger, but the twenty-eight volts of power that kicks the missile off the plane didn't function, so the missile stayed with us. We passed head to head. I could see the pilot in the canopy. He was losing sight of me, so I turned around at six o'clock and got my sidewinder missile locked on him. At that moment, though, my NFO said the other MIG was shooting at Nick, our other pilot, so I broke away to help him. Once I broke away, the MIG I'd engaged turned tail and left."

"The MIG that was after Nick shot two Atolls, a

Russian version of the Sidewinder, both of which missed," he says. "As I came in, I got a cone, but I couldn't tell if I was locked onto my buddy or the MIG, so I had to let him break off. Once he broke off, I shot a missile to get him to turn back on me, and as soon as he turned, I shot off the other missile and hit, knocking off part of his tail and catching his engine on fire. He went into a spin and tried to save the airplane, but once he got down to a thousand feet, he ejected."

It so happened that Flynn's plane from this mission was still in service at Dulles Airbase in Texas when the Smithsonian determined last year that it wanted to display a fighter. The Navy has agreed to donate the plane, and it will be installed in a new wing of the Air and Space Museum when it is finished.

A self-described country boy from Lake Waccamaw, North Carolina, Flynn majored in biology on the Old Campus. He taught high school in Albemarle County for a year after graduation. He might still be teaching there if it hadn't been for the military draft.

Not wanting to enter the Army, he had decided to enlist with the Air Force, but its line was too long, so he stepped over to the Navy booth where the recruiter asked him if he'd like to fly. He enlisted and would remain with the Navy for thirty years, retiring in 1987 as a captain.

The recipient of the Silver Star, four Distinguished Flying Crosses, and numerous other medals, Flynn works today as a civilian contractor training new recruits on F-14 simulators. Occasionally he speaks at Top Gun, the Navy fighter weapons school, where his 1,178 carrier landings along with his confirmed kills are of interest to trainees.

"In the Navy museum, they've got a wall where they list everyone who's got over a thousand landings," he says. "It's not a wall full of people." He says Navy pilots feel no rivalry with the Air Force. "How can there be? We know we're better—they can't land on a postage stamp over the water."

—JEFF MILLER ('93)

Samuel Carson Flynn and the fighter jet he flew in Vietnam: Honoring a much-decorated alumnus at the National Air and Space Museum.



Class Notes



Porter (JD '78)

1 9 7 0

Harry H. Clendenin III (JD) is a member of the council of the worker's compensation section of the North Carolina Bar Association. He is also an assistant baseball coach at Walter Hines Page High School in Greensboro. He and his wife, Kathy, are expecting their first grandchild in May, while their daughter, Anne, continues to make some recovery from a catastrophic injury she suffered in 1992.

Nan Holbrook Griswold is the executive director of the Second Harvest Food Bank of Northwest North Carolina, which recently teamed with local associates of the Pampered Chef for the annual "Round Up From the Heart" corporate giving program. For the program, independent contractors of the Pampered Chef promote "Round Up From the Heart" during their kitchen shows. Customers contribute to the program by rounding up their purchases to the nearest dollar. This year's program raised almost \$4,000 for the Second Harvest Food Bank of Northwest North Carolina.

John P. Matson is the senior officer for First Union National Bank in the Hampton Roads region of Virginia.

Stan Oetken was promoted to vice president in the Denver, CO, office of Marsh & McLennan, Inc. His oldest son, Colin, received his MS in electrical engineering from the University of Arkansas in May.

His second son, Kirk, received a BA in Biblical studies last December from Azusa Pacific University, and his daughter, Kristin, is entering Azusa Pacific University in the fall.

David Stainback is director of the Artists' Museum, a Washington, DC, gallery which provides rented space for artists to display their own work.

1 9 7 1

Dianne Ford is nursery manager at Niche Gardens, a Chapel Hill, NC, retail and mail order nursery specializing in native plants and gardening for wildlife (www.nichegdn.com). She, her husband, and her two teenage children recently completed the construction of their own home in Alamance County, NC.

Kathy Sirkel Hackshaw is president of Thunder Road USA-Georgia Racing Hall of Fame, a family entertainment and educational center based on motorsports in Dawsonville, GA. She resides on a working Tyson chicken farm north of Atlanta. Her son, **Brett** ('98), is a recruiter for Bank of America in Charlotte, NC. Her daughter, Christy, is married to a captain in the Air Force, has a son named Duncan, and is expecting another son in June.

Richard Norris is completing his tenth year of elementary teaching at the Gresham-Barlow School District in suburban Portland, OR. He resides in Gresham, OR, with his wife, Lisa, who is wildlife program manager for the United States Forest Service's Pacific Northwest Region.

1 9 7 2

Robert Christian earned a PhD in pharmacy from the University of Michigan in December 1997. He is program manager for Otsuka



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For more information, contact: Allen H. Patterson Jr. ('72)

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America Pharmaceutical, Inc. He and his wife, Shirley, adopted an 18-month-old girl from Moldova in October 1997.

1 9 7 4

Camille Wells recently was appointed director of research at Thomas Jefferson's Monticello. She also holds the position of distinguished lecturer in architectural history at the University of Virginia. She and her husband, Turk McCleskey, reside in Charlottesville, VA.

1 9 7 5

Elizabeth Daniels is a recipient of the 1999 Rolex Achievement

Award, honoring former varsity collegiate golfers who have achieved excellence in their chosen career (outside of golf) and in doing so, have made a special contribution to society. The award was presented by Arnold Palmer, honorary chairman of the College Golf Foundation, in a ceremony during the Wake Forest University Pro-Am Golf Tournament reception. She began a career as a lawyer in 1979 and has developed a practice as a commercial litigator, practicing before all levels of the Florida court system. She is also an accomplished opera singer, having been a member in Florida Opera West, Tampa Bay

Opera Company, and presently the Sunstate Opera Company, and she continues to be an avid golfer.

1 9 7 7

Thomas Clarkson III has accepted the position of vice president of marketing at IPivot, a developer of intelligent Internet load balancing for e-commerce Web sites. Previously he was founder and vice president of marketing with Wireless Knowledge LLC, a joint venture with Qualcomm and Microsoft. Prior to that position he was vice president

Alumni Profile

Claudia Brown ('74)

Home, historic home

REMEMBER your childhood home? If you're one of the millions who grew up in a post-World War II subdivision, those memories are probably similar. Now, many of those subdivisions are turning fifty, meaning that cookie-cutter ranch (or Cape Cod, or Colonial) of your childhood could be historic.

As Claudia Brown ('74) will tell you, fifty is the minimum age for placement on the National Register of Historic Places. And as the supervisor of the N.C. State Historic Office's Survey and Planning Branch, part of her job is administering the register in the state.

"I think the architecture of this period is

going to be remembered for its social history," says Brown, who often works with consultants and owners to get property placed on the register. "The suburbs developed in the fifties reflect tremendous opportunity for people, unprecedented opportunity."

The period was not without its negative aspects, Brown says. "The dark side of this is the sprawl that represents the growth of the automobile," she notes. "It's also a real social commentary on racial patterns and race relations. . . (Racial) restrictive covenants in deeds were not uncommon."

And though the era may not be remembered for the beauty of its architecture, other aspects do make it distinctive. "I think it's the plan that makes it unique," Brown says. "You look at the whole ensemble—the landscapes, the streetscapes, the buildings—rather than at the buildings individually."

Brown's position requires her to do much more than study subdivisions. In fact, while the architecture from this period is receiving renewed interest due to its impending eligibility for the Register, Brown reveals that no North Carolina

subdivision, as a whole, has applied yet. Instead her typical day is filled with overseeing the Survey and Planning Branch's five major program areas. Aside from the National Register of Historic Places program, the department also administers a series of statewide historic building surveys; performs environmental reviews of state and federal projects that affect historic structures and landscapes; aids and advises local historic preservation commissions; and provides public information and assistance.

Brown came to the Department of Cultural Resources after a career as a private architectural preservation consultant, which began as a graduate student in art history at UNC-Chapel Hill. However, her interest in architecture started in childhood and flourished as an undergraduate at Wake Forest, where she was influenced by longtime art professors Penny Griffin and Sterling Boyd.

That interest, coupled with her involvement in the administration of the statewide architectural survey program, has proven important as the architectural world attempts to evaluate the significance

of the post-World War II era. "Looking ahead, we realized that this post-war building boom was going to be historic," she says. "We have to decide what we need to do. How do we record it? How do we evaluate it?"

Using a recent architectural survey of Raleigh that included many post-World War II structures as a model, Brown wrote an article in the journal *Preserving the Recent Past* that attempts to address these same questions. Ultimately, she believes, it is up to American society to decide how the architecture of our generations, our childhoods, will be remembered. "It is too early to predict how our post-World War II heritage will be treated as historic resources," writes Brown. "In the constant interplay between the goals of preservationists, academic research, and the desires of the public . . . it is the third element, public interest, that may become most crucial."

—ANDREW WATERS

Claudia Brown and a post-World War II house from the Raleigh survey: "This period is going to be remembered for its social history."



Class Notes



Buss ('81)

of business development at Qualcomm in the wireless Internet division.

Clifton F. Davis (MBA) is president and CEO of Imperial Training Services Corporation, a continuing education service for insurance, real estate, and accounting professionals which he founded in 1991 and now operates in 14 states. He and his wife, Louise, reside in Garner, NC.

David A. Keith recently established his own general practice law firm, specializing in family,



Greene ('81)

bankruptcy, and estate law, in Akron, OH.

1 9 7 8

John A. Nelms qualified for his 17th consecutive State Farm Insurance Company "Millionaire Trip." This year's travel site is Munich, Germany.

Ken Patterson (JD '81) is director of the National Town Meeting Project of the President's Council on Sustainable Development in Washington, DC. This White House assignment will end in

June, when he will return to the Environmental Protection Agency where he is a manager in the superfund enforcement program.

Leon Porter (JD) has joined the Winston-Salem office of Kilpatrick Stockton, LLP, as a partner. He is a former chief counsel for branded apparel with the Sara Lee Corporation.

Robert F. Sharpe Jr. (JD) has added public affairs and government relations to his responsibilities at Pepsico, Inc. in Purchase, NY, where he is senior vice president, public affairs and general counsel. He also is president of the Pepsico Foundation.

Brian Siska started Complete Life Products, a manufacturer of nutritional supplements for healthcare and home consumption. He resides in Orono, MN, with his wife, Nancy, and children, Luke and Sian.

1 9 7 9

James Burrus has been promoted to assistant special agent in charge for the Federal Bureau of Investigation's operations in Minnesota, South Dakota, and North Dakota. He and his wife, Sybil, recently relocated to Minneapolis, MN.

Michael A. Colliflower (JD) was elected chairman of the compliance section of the American Council of Life Insurance, the largest trade association of the life insurance industry. He is currently senior vice president of the Conesco Companies in Carmel, IN.

David S. Felman has joined the Tampa, FL, law firm of Hill, Ward & Henderson. He practices in the areas of business, banking, and securities law.

Jane Dawkins Koppenheffer has been promoted to CIO and

vice president of information technology for Penn National Insurance Group in Harrisburg, PA.

John B. Stamps is a senior programmer at Coca-Cola Enterprises in Atlanta, GA. He resides in Oxford, GA, with his wife, Kathleen, and their three children: Josie, Harrison, and Fletcher James. The family is building a horse farm and equestrian training facility called Wildflower Farm.

Scott Uffelman is a vice president with Salomon Smith Barney. He resides in Birmingham, MI, and has three children. He is seeking fellow alumni in Michigan who would like to drive to homecoming this fall.

Gary Violette recently received lifetime certification as a certified purchasing manager (CPM) from the National

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Vienna

Alumni College, September 27 - October 5, 1999

Called by Associate Professor of Music Peter Kairoff "one of the great world centers of culture," Vienna is known for its art museums, theaters, opera houses, and musical shrines. Marvel at the remarkable art collection of the Habsburgs and the magnificent 17th century Schonbrunn Castle and Habsburg Summer Palace, and the two palaces of The Bevedere. You'll also have a full day to explore 15th century villages in the scenic Danube Valley and another full day in Salzburg, birthplace of Mozart. And, join in the celebration as Wake Forest's newest study-abroad residence, Flow Haus, is dedicated. Costs start at \$2,650 per person and include round-trip airfare, hotel accommodations, breakfast daily, and all tours.

For more information, call Ruth Delapp Sartin ('81), Office of Alumni Activities
1-800-752-8568 or (336) 758-5692

Class Notes

Association of Purchasing Management. He is senior program manager for software acquisition at Glaxo Wellcome, Inc., and resides in Chapel Hill, NC, with his two children.

1 9 8 0

Lisa Humphrey McIntyre (MA '85) is an English instructor at Surry Community College in Dobson, NC. She has two children, Cameron (5) and Anna Ruth (4).

Karen Raschke (JD) has joined the Center for Reproductive Law and Policy as a staff attorney for the state legislative program. In this position, she monitors and analyzes state legislation concerning reproductive rights, educates state activists and policymakers, and provides assistance to activists across the nation. Previously she was with Planned Parenthood Advocates of Virginia in Richmond, VA.

Herbert M. Wayne III (MBA '82) was named senior vice president and commercial team leader at BB&T's Charlotte, NC, Commercial Lending Platform.

1 9 8 1

Carol Barbee recently became a staff writer on the NBC drama "Providence." Her first episode aired May 14. She lives in Los Angeles with her husband, Carlos Lacamara, and her two sons, Lucas and Diego.

C. Daniel Barrett (JD '85) is the author of North Carolina Employment Law, which is the first comprehensive legal treatise to discuss and analyze employment law in North Carolina. He is a shareholder in the Winston-Salem firm of Edwards, Ballard, Clark, Barrett and Carlson, PC, where he practices exclusively in the area of employment law.

William C. Buss is group vice president of credit and collateral services for the Federal Home Loan Bank of Atlanta, GA, where he has been employed since 1982. He also is involved with several community organizations and serves on the board of directors of the Atlanta Midtown Assistance Center, a local nonprofit.

Stanlee P. Greene Jr. has joined Old Kent Bank in Grand Rapids, MI, as senior vice president and director of marketing. Previously he was a partner at Williams Marketing Service since 1994, served nine years at IBM Corporation in sales and management, and was in personnel management and administrative services for the United States Army for four years.

Valinda Barrett Wolfert recently was elected to a three-year term on the advisory committee of Winstead Sechrest & Minick, PC, a 250-attorney firm with offices in Dallas, Houston, and Austin, TX, and Mexico City, Mexico. She celebrated her 15th anniversary with the firm this June. She also serves on the Board of Directors for the Women's Finance Exchange, Inc., a networking/business group for women in the financial services industry, and is president of the parent group for families with children in the special education program in the Highland Park Independent School District. Her greatest honor continues to be serving as soon-to-be seven-year-old Will's mom.

1 9 8 2

Perry Cumbie recently won the Excellence in Teaching Award from Durham Technical Community College, where he teaches freshman composition and British literature. He has

gone on to qualify as a semifinalist in statewide competition.

Elizabeth Hamrick has received an MBA, with distinction, from Rider University in Lawrenceville, NJ, after four years of evening classes. Her area of concentration was marketing. She also has been named director of communications for FPIC, a leading medical malpractice insurance company headquartered in Jacksonville, FL.

Francisco Forrest Martin has authored the "Rights International Companion to Criminal Law and Procedure: An International Human Rights and Humanitarian Law Supplement" with Mark V. Tushnet. This is the second volume of the Rights International Companion Series on Constitutional Law, Property Law, and Criminal Law & Procedure. He is president of Rights International, the Center for International Human Rights Law, in Coral Gables, FL. The center's website address is www.rightsinternational.org.

Sandra Cobb O'Bannon is a working mom for her three children-Katy (8), Kelly (5), and Kerry (3)-and is a mental health therapist for Prince William County Community Services Board in Manassas, VA. She is also involved in the Easter production at Manassas Assembly of God. She, her husband, Randall K. O'Bannon, and her children reside in Manassas.

Dewey T. O'Kelley III has set up his own legal practice in Raleigh, NC, concentrating in criminal and traffic cases.

1 9 8 3

Laura McCaskill Alford has started her own advertising and marketing communications



Castellano ('84)

company, Alford Marketing Services, Inc., in the Dallas, TX, area.

Jerry W. Greene Jr. (MBA '92) was promoted to president of Hanes Industries in Conover, NC, in January 1999. He and his wife, Leslie, live in Hickory, NC, with their two sons, Matt (12) and Aaron (9).

Peter Kemeny is pastor at the First Associate Reformed Presbyterian Church in Burlington, NC. He and his wife, Becky, have three daughters.

Sarah Hays Van Lierde was a recipient of United States Enrichment Corporation's (USEC) Chairman's Award for her skill and excellence in the handling of the company's recent IPO. She is the treasurer of USEC, which markets uranium.

1 9 8 4

S. John Castellano was promoted to senior vice president of Hibernia National Bank. He is the bank's underwriting manager serving energy, energy service, maritime, and chemical industry customers.

Wanda Hendricks (MA) is the author of the book *Gender, Race, and Politics in the Midwest*, published by Indiana University Press. She is an associate professor of history at Arizona State University.

Wayne Johnson (JD) has been appointed as the director of guaranty agency services at the



Douglas (JD '85)

North Carolina State Education Assistance Authority in Research Triangle Park.

1 9 8 5

Mack Nathaniel Barnes III is a gynecologic oncologist at the University of Alabama at Birmingham. He and his wife, Nicole, have three children: Mack (4), Cooper (2), and Camden (10 mo.).

Charles T. Douglas (JD) was awarded the Northwood University Automotive Aftermarket Education Award in December 1998. The award recognizes individuals who have made outstanding contributions to education inside and outside the industry. He received the award for his work on the board of directors of Old Salem, Inc., and Amos Cottage, Inc. He is vice president of sales and marketing at Douglas Battery Manufacturing Company.

James V. Geffken has returned to Dallas, TX, from San Francisco, CA, as an account director for TLP, an Omnicom brand marketing agency. In his new position, he will head an account team that develops national customer marketing programs for Pepsi-Cola's fountain beverage division. In his six years at Dallas-based TLP, he has spent two-plus years in an on-site assignment at Pepsi-Cola Northern California.

Stef Hamilton is returning to Winston-Salem this summer,

Class Notes



Hicks (JD '87)

where he will be opening a State Farm Insurance Agency on July 1.

E. Parker Herring (JD) has organized the new Raleigh, NC, law firm of Herring, McBennett, Mills, Green & Flexner, PLLC. The firm offers complete family law services as well as residential real estate, wills and estates, personal injury, and general civil litigation. She is a board certified specialist in family law.



Gilbert ('88)

John C. Kalavritinos Jr. recently was promoted to general counsel and director of government affairs at the American Consulting Engineers Council, a national trade association representing 5,500 firms worldwide. He was also elected to the executive board of the Washington Scholarship, which provides private/parochial school tuition to underprivileged children.

John W. McKenzie was recently elected a shareholder (partner) at the law firm of Buckingham, Doolittle and Burroughs, LLP. He has practiced six years at the Akron, OH, office of the firm, which also has offices in Cleveland and Columbus, OH, and Boca Raton and Naples, FL. Previously he worked as a human resources officer with First Union National Bank in Charlotte, NC.

Bobby D. Mills (JD) has joined the new Raleigh, NC, law firm of Herring, McBennett, Mills, Green & Flexner, PLLC. The firm offers complete family law services as well as residential real estate, wills and estates, personal injury, and general civil litigation. He is a board certified specialist in family law

and a member of the American Academy of Adoption Attorneys.

1986

Ted Bilich is adjunct professor of law at Georgetown University Law Center, where he teaches class action law and practice. He also practices law with Jones, Day, Reavis & Pogue in Washington, DC, and lives in Arlington, VA, with his wife, Teresa Martinez.

J. Nicholas Ellis (JD) recently was recognized by the Eastern Carolina Legal Services for his pro bono legal work and other community service. An attorney with the firm of Poyner & Spruill, LLP, he has served as chairman of Habitat for Humanity and the YMCA, and

president of the Nash-Edgecombe County, NC, Bar Association.

Chad A. Holder and his wife, **Sonja Polic Holder ('88)**, reside in Atlanta, GA. Chad is an assistant professor of radiology at Emory University School of Medicine. He recently received the Best Paper Award at the annual meeting of the Southeastern Neuroradiological Society in Naples, FL. He presented the same paper at the American Society of Neuroradiology meeting in San Diego in May. Sonja enjoys staying at home with their two children, Natalie (3) and Zach (1). She volunteers with Georgia Prevent Blindness and is active in the Women's Guild of Holy Spirit Catholic Church.

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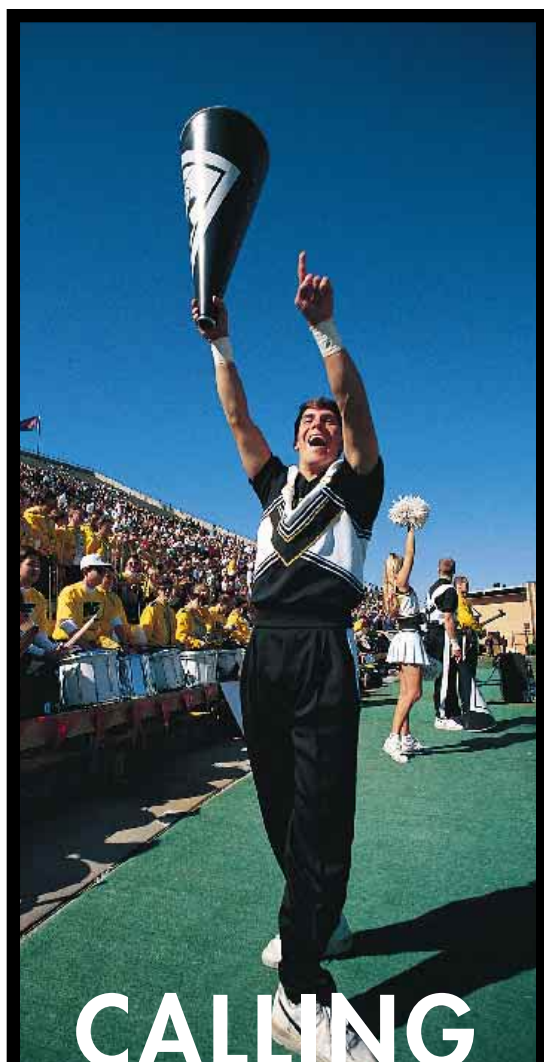
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Class Notes



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Patricia F. Poole (JD) has joined the product liability litigation practice group in the Winston-Salem office of Womble Carlyle Sandridge & Rice.

Patrick Hale Simpson (MBA) is structured transaction manager for RMIC Corporation in Winston-Salem.

Bynum E. Tudor III (JD/MBA) has been selected as one of the premier employee benefit attorneys for the 1999 edition of Best Lawyers in America. He is with the Nashville, TN, firm of Tudor and Lindsey, PC, which previously was named "Floyd and Tudor, PC."

1 9 8 7

Jeff Guernier (MBA) is executive vice president of Parker Lancaster Corp. in Jamestown, NC. He oversees the continuing growth of the company's home-building presence in the Carolinas.

Amy G. Hallasy and her husband, Michael, live in Greenville, SC, with their two daughters: Meredith (3) and Savannah (1).

Ronald L. Hicks (JD) has been elected to the management committee of the Pittsburgh, PA, law firm Meyer, Unkovic & Scott, LLP.

Stephen M. LaMastra is vice president and general counsel of Wolf Camera, an Atlanta-based retail company. His wife, Anne, is an attorney for Powell, Goldstein, Frazer & Murphy in Atlanta. The couple resides in Atlanta with their two children, Connor and Gwyneth.

Robert E. Lamb was appointed associate professor of music and director of choral activities at the Melbourne, FL, campus of the Brevard Community College in August 1998. In May 1988 he finished the classwork requirement for his doctor of

musical arts in choral conducting at the University of Cincinnati College Conservatory of Music. His lecture recital and dissertation subject are the grand motets of the French Baroque composer Michel Richard de Lalande.

Bradford L. McRae is a senior scientist at BASF Bioresearch Corporation in Worcester, MA.

David Pearce manages Burlington Shoe stores in Fayetteville, NC, and serves as an assistant pastor in a local church ministry. He wishes to keep in contact with old friends through his e-mail address: davidjery@webtv.net.

John H. Smith Jr. has a new position with Policy Systems Management Corporation in Blythewood, SC, where he resides with his family.

1 9 8 8

Ann Hobbs Aust received a doctorate of education degree in May from UNC Greensboro, graduating with honors. She is the assistant principal at Meadowlark Elementary School in Winston-Salem.

Jerome Butler (MD '96) has accepted a position as chief resident of pediatrics at the Children's Hospital of Orange County in Orange, CA. She also teaches Spanish to employees and residents at the hospital. Her husband, **Cameron Hewitt (MD/MBA '97)**, is a resident in ear, nose, and throat surgery at Martin Luther King/Charles Drew Medical Center.

Catherine Lee Gemrich (MA '91) has joined the Chicago, IL, law firm of Ryndak & Lyerla as an associate. She received a JD from Chicago-Kent College of Law, Illinois Institute of Technology, in 1994 and previously was with the firm of Beeler, Schad & Diamond of Chicago.

Paul Gilbert recently organized a benefit concert in Nashville, TN, for High Hopes, a therapeutic preschool for children with special needs. The concert, which featured MCA recording artist Lee Ann Womack, raised more than \$100,000. He has also been named a partner at the law firm of Waller Lansden Dortch & Davis. His e-mail address is pgilbert@wallerlaw.com.

Christopher M. Hines recently was transferred to the United States Special Operations Command, Europe, in Stuttgart, Germany. He will work in the J7 (civil affairs) section with primary responsibility for support to U.S. Civil Affairs forces in Bosnia.

Lisa Skinner Lefler has announced the formation of the law firm Gaines & Lefler, PLLC, in Wilmington, NC.

Richie Pettit was elected to partnership in the Tampa, FL, office of the national law firm Foley & Lardner. He is a business litigator who focuses on technology disputes. He and his wife, Marilyn, are expecting their second child.

1 9 8 9

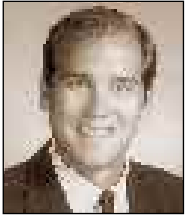
Susan Reeves Blodgett is the director of membership for the Greater Rochester Visitors Association.

Tracy Clune resides in Santee, CA. She encourages classmates to contact her at her e-mail address, tclune@webtv.

Dain Dulaney (JD) is general counsel for Alydaor Software Corp. in Charlotte, NC. His wife, Kim Greene Dulaney (JD '89), has obtained her certified financial planner license. The couple has one son, Joseph Daingerfield Dulaney III (2).

Kristy Armstrong Dunbar and her husband, Bob Dunbar, reside on a cattle ranch near Taylor, NE. She is a physician's assistant

Class Notes



Conger (JD/MBA '91)

in a nearby rural health clinic. The couple is expecting their first child in July.

René Caldwell Gilbertson (JD '92) recently left the Office of the County Counsel-Los Angeles County and plans to resume her position as deputy county counsel at the conclusion of her husband's, **John Gilbertson** (JD '91), program in taxation at Georgetown University Law Center. The couple has three children: Taylor (3), Stanton (2), and Robert (4 mo.).

Dean W. Hollandsworth (JD) is a staff attorney for the New Hanover County, NC, Department of Social Services. Previously he held that same position for the Randolph County, NC, Department of Social Services. He was recently elected secretary of the North Carolina Association of Social Services Attorneys and is in his fifth year of service as Judge Advocate of the North Carolina District East Civitans. He resides in Wilmington, NC, with his wife, Barbara, and sons, Trent and Seth.

Michael Lamphier is director of marketing for the Winston-Salem based company AccuSport International, which manufacturers and markets interactive golf ranges.

Sarah E. Ray is an associate with Lloyd & Company, a boutique investment banking firm that advises middle-market companies on mergers, acquisitions, and corporate finance. She



McLaren (JD '91)

resides in Charlotte, NC, with her husband, Brenton E. Bunn.

Scott Schutt has joined CBS/Infinity Broadcasting as general sales manager of WDSY-FM in Pittsburgh, PA. He and his wife, **Nicole Johnston Schutt** ('91), reside in Bridgeville, PA, with their son, Zachary (1).

Susan H. Crockett Smith has joined the National Eye Institute at the National Institute of Health in Bethesda, MD, as a clinical trials coordinator. Previously she was an HIV clinical trials coordinator at the Center for Blood Research at Harvard Medical School in Boston, MA. She and her husband, Wiley, reside in Kensington, MD.

Keith P. Spiller (JD) recently was named a partner in the law firm of Thompson Hine & Flory, LLP. He is located in Cincinnati, OH, where his practice concentrates on labor and employment law.

Capt. **Wayne W. Straw** is a pilot of an F-15E Strike Eagle assigned to the 336th Fighter Squadron at Seymour Johnson Air Force Base in Goldsboro, NC.

Cara Donovan Sullivan resides in Lawrenceville, GA, with her husband, Matthew Sullivan. She earned an MA in social science education from the University of Georgia in 1996. She taught social studies in the Gwinnett County school system until 1998 when she made a career change. She is now a

stay-at-home mom for her sons Alex and Sean.

1990

William Graham Blair is vice president of account services and new business development at BlueSky Design, Inc., an Atlanta-based advertising and design firm specializing in the sports and entertainment industries. Previously he was with Time Warner/Turner Broadcasting System, Inc. for six years.

Liv Lundin Brown was promoted to general manager of Digital Output Centers, a digital printing company in Charlotte, NC.

Jackie Copeland received a master's degree in public affairs/administration from UNC-Greensboro. He is the workforce development program operations supervisor for the NW Piedmont Council of Governments and also serves as chair of the Winston-Salem Human Relations Commission and the New Horizons Fair Housing Committee. He and his wife, Angela Martin-Copeland, reside in Winston-Salem, NC.

Kerry B. Hayes is a development associate for World Wildlife Fund in Washington, DC. She resides in Alexandria, VA.

Jonathan Hume won the men's division of the San Diego marathon, with a time of 2:20:23, in January.

Steve Lindsley was engaged to Lorie Steinhagen in February. The couple is planning an October wedding and will live between Winston-Salem and Lexington, NC. He also released his second CD, "While I'm Here," in March. It includes eleven original songs, and was produced by Asheville, NC, artist Chris Rosser and mastered by Grammy-award

winner David Glasser. For more information, visit his web site at www.stevelindsley.com.

Scott McDonough received a master's degree in industrial and organizational psychology from UNC-Charlotte in 1996. He managed a restaurant in Fairfax, VA, from 1996 to 1997. Currently he is senior manager of facilities/real estate at Microstrategy, a software company in Vienna, VA, where he is in charge of new hire relations. He and his wife, Julie, reside in Fairfax.

Todd Nichols is completing a five-year residency in head-and-neck surgery this June and is relocating with his family from Morgantown, WV, to Charleston, WV, to join his father's medical practice. He and his wife are expecting their third child.

John Norris is vice president/portfolio manager at Regions Financial Corporation in their consulting services group. He and his wife, Beth, reside in Birmingham, AL, and were expecting their first child at the end of May. He enjoys playing tennis, jogging, and reading obscure history books.

Mary Daniels Orr and her husband, Bill, moved from Richmond, VA, to Charlotte, NC, last year. She is a technology specialist at Charlotte Country Day School.

John G. Reeves was promoted to banking officer in the Winston-Salem offices of BB&T. He is a financial analyst in the mergers and acquisitions department.

Jacqueline Toney-Stanley (JD) is the author of *Reading to Heal: How to Use Bibliotherapy to Improve Your Life*, published by Element Books. She regularly speaks to groups on the healing power of reading. She also publishes articles and Web sites, one of

which can be reached at www.readtoheal.com.

Lisa Bowen Upper is employed by the Pampered Chef, where she has been promoted through three management levels. She has also received the company's highest honors, reserved for the top two percent of employees, and is active in its "Round Up from the Heart" program, which collects donations for the Second Harvest hunger relief organization. Pampered Chef customers contribute to the program by rounding up their purchases to the nearest dollar. In February, she presented a check for almost \$4,000, raised through the program, to the Second Harvest Food Bank of Northwest North Carolina.

1991

W. Mark Conger (JD/MBA) has been named a partner in the Winston-Salem office of Kilpatrick Stockton. His practice is concentrated in commercial and family law litigation.

Ferd "Trey" Davis and his wife, Christine, have moved from Los Angeles, CA, to Hong Kong, where they will live for the next three years. He continues to work as a management consultant with Towers Perrin. His e-mail address is davit@towers.com.

John Theodore Gilbertson (JD) is a senior associate with Sonnenschein, Nath & Rosenthal and has transferred from their Los Angeles, CA, office to Washington, DC, where he attends Georgetown University Law Center's LL.M. program in taxation.

Pete Hines is the director of marketing for the American Association of Blood Banks and recently received an MBA from George Mason University. He resides in Alexandria, VA, with his wife, **Shannon**

Class Notes



"Transient Light"

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"Spring Quad"

Hutcherson Hines ('94), and child, Connor.

Scott A. McLaren (JD) is a partner in the appellate practice group in the firm of Alston & Bird.

Anna Norville was married in May 1998 to Michael Walsh. The couple reside in Los Angeles, CA, where she is assistant director of public relations at the University of South California.

Chris Richter and his wife, Allison, will be moving to Washington, DC, this fall, where he will be earning a master's of science degree in strategic intelligence at the Joint Military Intelligence College. This year he was named Officer of the Year for his unit as well as his group.

1 9 9 2

Jina L. Bowman graduated from the Norman Adrian Wiggins School of Law at Campbell University in May 1998. She practices with Safran Law Offices in Raleigh, NC.

Blaine Clotfelter is a senior benefits specialist with the executive benefits division of Aon Consulting, Inc. in Atlanta, GA. He and his wife, Nikki, reside in Marietta, GA, and were expecting their first child in May.

Michael Kelly recently completed his tenure as director of the 1999 NCAA Final Four in Tampa, FL. He oversaw two full-time staff members and two interns, as well as countless details, in making the event a success. He has a master's degree in sports administration and previously worked in the athletics department at Wake Forest University.

Dianne Kueck recently completed a clerkship with Judge David Ebel of the Tenth Circuit Court



Kelly ('92)

of Appeals and joined the Denver, CO, law firm of Moye, Giles, O'Keefe, Vermeire & Gorrell as an associate.

Thomas Wayne McCormack is engaged to **Olivia Michelle Utley** (MAEd '97). The couple has planned a June wedding in Atlanta, GA.

Marissa Melton recently joined the reporting staff of *U.S. News & World Report*. She also has worked for National Public Radio. She earned a master's degree in journalism from UNC-Chapel Hill in 1996. In the near future she hopes to overcome her fear of commitment and get a goldfish.

Laurin Gentry Titus resides in Philadelphia, PA, with her husband, **Derek Titus** ('92). She is a marketing director for Seabury & Smith, a division of Marsh & McLennan. He is an account executive for Dow Jones.

Kevin Truesdel (MBA) has relocated to Houston, TX, where he continues work as a financial analyst for Duke Energy International. Previously he has worked in Jakarta, Indonesia, and Melbourne, Australia.

Tony Wyche has left Washington, DC, for Bloomfield, NJ, where he is working on the presidential campaign of former Democratic United States Senator Bill Bradley. He is responsible for several areas of the campaign, including grassroots organizing, advance, and media relations.



Botts ('93)

1 9 9 3

Jason W. Botts has been named vice president, technical services, for AFP Technology LLC, which operates enterprise output management systems. He heads the group responsible for all AFP Technology LLC technical programs in North America. Previously he was responsible for corporate systems infrastructure and support at Interpath Communications, Inc.

Glenn A. Brown has joined the banking, finance, and property practice group in the Atlanta, GA, office of Womble Carlyle Sandridge & Rice.

Jeannie Armour Evans resides in St. Louis, MO, with her husband, Barrett, who is an MDiv student at Covenant Theological Seminary. She teaches part-time and is taking one class per semester.

Elizabeth Ann Neighbors is working towards her PhD in English at the University of Georgia in Athens and has just begun writing her dissertation on Romantic women writers and their ideas about revolution. She resides in Athens with her husband, Michael, who is a physical therapist and was recently published in *The Journal of Orthopaedic and Sports Physical Therapy*.

Matthew Olin (MD '98) completed medical school at the Wake Forest University School of Medicine in May 1998. He and his wife, Rina Natale Olin ('93), currently reside in Durham, NC, where he is

Class Notes

doing his residency training in orthopedic surgery at the Duke University Medical Center.

Christina Salme Ruiz was awarded a 1999 grant for fiction by the Maryland State Arts Council. She also received a Governor's Citation for Artistic Merit at a party honoring the MSAC grant recipients on April 12. She received an MFA from the University of Maryland, College Park, last year and is currently a legal assistant at the law firm of Kelley Drye & Warren in the District of Columbia. Her e-mail address is cr Ruiz@kelleydrye.com.

1994

Allan Acton is attending dental school at the Medical School of Virginia in Richmond, VA.

Drew Carpenter is a systems specialist with Centura Banks, Inc., in Rocky Mount, NC. He also builds and repairs computers and designs web pages on the side. He and his wife, Lorrie, were married in 1997 and are expecting their first child.

Betsy Cracker has accepted a position as assistant development manager with Concord Partners LLC, a full-service commercial real estate brokerage and development firm in Washington, DC. She will also be working on a master's degree in development at The Johns Hopkins University. Previously she had been a loan officer in commercial real estate for Wachovia Bank since 1994, moving from Charlotte, NC, to Washington, DC, in 1998 to assist with the development of new business after the merger of Wachovia and Central Fidelity Banks.

Susan Chortley Criscione and her husband, Frank, moved in August 1998 to Berkeley, CA, where she attends the American Baptist Seminary of the West.

This summer she will be doing clinical pastoral education at Stanford University Hospital in Palo Alto, CA. Her e-mail address is frankek@mind-spring.com.

Jennifer Grishkin is an associate with the law firm of Wilmer, Cutler & Pickering in Washington, DC. After graduating from Yale School of Law in 1997, she spent a year clerking for Judge Walter Stapleton on the United States Court of Appeals for the Third Circuit.

Natalie A. Harvey is employed at the Coastal Discovery Museum in Hilton Head, SC, and received an MA in applied history from the University of South Carolina in May. She recently published a photographic history of Hilton Head Island.

Tammi W. Hellwig has joined the bankruptcy practice group in the Winston-Salem office of Womble Carlyle Sandridge & Rice.

Michael Kolb currently is on a two-year rotation in Sydney, Australia, as an assistant manager with KPMG. He and his wife, Christa, can be e-mailed at kolbs@ozemail.com.au. The couple will return to Atlanta, GA, in September 2000.

Sarah Marie Long received a doctorate of veterinary medicine degree from North Carolina State University in May 1998. She presently practices in Sanford, NC.

Elizabeth Marsh is engaged to be married to **Scott Vantre** ('94). She is currently completing the doctoral program in school psychology at Temple University and is employed by the Philadelphia Mental Health Clinic as a behavior specialist consultant for children. Scott attends the Temple University School of Podiatric Medicine. The couple plans to reside in

Philadelphia, PA, following their wedding.

Kevin Mournighan is the technical support and help desk manager for Habitat for Humanity International in Americus, GA.

Nicole Wellman Werner received an MA in developmental psychology from the University of Minnesota in 1997; she expects to complete a PhD in 2000. She and her husband, Steffen, reside in Goettingen, Germany, where he is an assistant professor of psychology.

1995

Bruce Christian Carter is in his second year at the University of Virginia Medical School in Charlottesville. He is specializing in proctology.

John Cimaroli is an equity research associate with William Blair & Company, LLC, in

Chicago, IL. His wife, Kate Weber Cimaroli, is an assistant vice president at Bank of America.

Tim Hailstock is engaged to **Arlethia Friday** ('96). The couple is planning a September wedding.

Laura Jones and her husband, **Nathan Jones** ('95), have relocated to Winston-Salem, where she is a pathology resident physician at the Wake Forest School of Medicine. She completed medical school in May.

Lauren Richardson Noyes has been promoted to legislative director in the office of United States Congressman Joseph R. Pitts (R-PA). Her husband, Brad, is an architectural consultant with Brailsford and Dunlavey in Washington, DC. The couple reside in Falls Church, VA.

Matt Stanard has left the state government affairs department at the Grocery Manufacturers of America (GMA) in Washington, DC, to pursue graduate studies in modern European history at Indiana University-Bloomington.

1996

James H. Benson (JD) is director of legal affairs for Powertel, Inc., a provider of personal digital communications services.

Matt J. Boone is in outside sales for Ferguson Enterprises, Inc. in Winston-Salem.

Brian C. Brady is a corporate purchasing agent for Klausner Furniture Industries in Asheboro, NC.

Emily Graham is class president for the University of Tennessee College of Medicine class of 2000 for the 1998-1999 term.



Photographer Kenneth Garrett has spent the last year capturing the beauty of Wake Forest. See his stunning photographs in a new book coming this fall. Priced at only \$39.95, plus postage and handling, it's the perfect gift for all the alumni on your Christmas list.

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Class Notes

She also has served as the student trustee on the University of Tennessee Board of Trustees for the 1998-1999 term.

Arlethia Friday is engaged to **Tim Hailstock** ('95). They are planning a September wedding.

Christopher Todd Hairston is the co-author of an article that appeared in the European *Journal of Pharmacology*. The article was titled "Anti-allodynic Actions of Heroin and Dihydroetorphine Against Neuropathic Pain." He also recently received the Kelli Turner-Mollette Scholarship Award in the division of community health services. He is a graduate student in the School of Graduate Studies and Research at Meharry Medical College in Nashville, TN.

Jason T. Kline is in his second year of medical school at Temple University in Philadelphia, PA.

Oscar A. Martinez recently relocated from Chicago, IL, to Washington, DC, where he continues to work for the United States Department of Commerce.

Jeffrey J. McIntosh received an MA in politics, economics, and business from Claremont Graduate University, Claremont, CA. In May he began a two-year Peace Corps assignment in urban planning in Cote-d'Ivoire (West Africa).

Tiffany L. Reece has been hired as an attorney for the Pittsburgh, PA, firm of Jones, Day, Reavis, and Pogue, where she will begin working this fall.

Stefany Griffin Souther completed a master's degree in physical therapy from Washington University School of Medicine in December 1998 and will begin work as a physical therapist. She resides in Charlotte, NC, where her hus-

band, **Chris Souther** ('97), is an accountant for KPMG.

Kyle Thompson has completed his second year at the University of South Carolina School of Law. This summer he is a law clerk for Covington, Patrick, Hagins, Stern & Lewis, PA, in Greenville, SC.

Julie Marie Wiley resides in Baton Rouge, LA, with her husband, Jonathan. She is a nursing student at Southern University; he is a wildlife biologist.

Wayne Wilson (MBA) was named marketing strategies analyst for Shell Services International, Inc., an information technology consulting and services company. He and his wife, Lisa, have relocated from Greensboro, NC, to Houston, TX.

Tarique M. Zahir is in his second year of medical school in Garanda, West Indies.

1 9 9 7

Chad E. Bredernitz is a CPA in the tax division of Arthur Andersen LLP in Charlotte, NC. He is engaged to marry Cindy Burns this July.

Cpt. **Mark duBose** (JD/MBA) has moved from Korea to Bavaria, Germany, where he does criminal defense work for the United States Army.

Jennifer Nicole Gentry received an MA in medical and biological illustration from The Johns Hopkins University School of Medicine this spring.

Aaron Guyer has completed his second year of medical school at the State University of New York at Buffalo School of Medicine and Biomedical Sciences. Last fall he received the McGraw-Hill Award, which is given to the second-year student with the highest grade-point average in the class during the first-year

curriculum. His e-mail address is guyer@acsu.buffalo.edu.

Dave Lardieri is engaged to be married to Erica Micko.

Sandy Scott is a student in the Yale University School of Medicine's class of 2002.

Heather M. Shnider finished her master's degree in theoretical chemistry at Emory University. She is now living in Columbus, GA, where she works with AIMCO Properties as a leasing consultant.

Olivia Michelle Utley (MAEd) is engaged to **Thomas Wayne McCormack** ('92). The couple has planned a June wedding in Atlanta, GA.

J. Tom Watson (JD) has joined the firm of Davis, Matthews & Quigley, PC, in Atlanta, GA. He is an associate in the firm's corporate and transactional practice group.

Corinne Woodcock is the director of the Demuth Foundation, a nonprofit foundation based in Lancaster, PA, dedicated to the preservation, collection, and promotion of works by the twentieth-century American artist Charles Demuth. She is responsible for running the day-to-day operations of the foundation, curation of the museum's permanent collection, and foundation development.

1 9 9 8

Jennifer Ellen Drennan is engaged to be married to David Nicholas Thompson. The couple is planning a November 1999 wedding.

Daveed Gartenstein-Ross recently returned to the United States after a six-week tour of Great Britain, Ireland, and Portugal as part of the U.S. National Debate Team. During the tour, the team finished among the top eight at the highly competitive

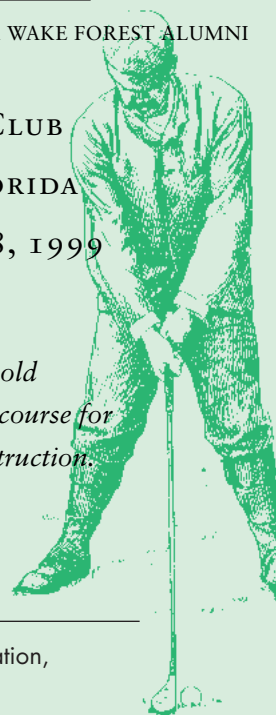
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England/Wales National Debate Tournament. Other highlights of the tour included public debates at Oxford University and Cambridge, as well as serving as judges at the World Schools Debating Championships.

Scott Mayne recently returned from an overseas adventure that changed his life and has adopted a four-year-old Lebanese orphan. He and his daughter, June-Chi, will be living in Delaware until fall, when Scott begins law school at Harvard.

Lori S. Melton (JD) has joined the labor, employment, and immigration practice group in the Winston-Salem office of Womble Carlyle Sandridge & Rice.

John Cotton Richmond (JD) has joined the Roanoke, VA, law firm of Woods, Rogers & Hazlegrove.

Victor Roberts departed for Madagascar in February to begin a two-year term in the Peace Corps. He works in a community forest management and conservation program, which seeks to curb the loss of rainforest through environmental education and the teaching of new agriculture and conservation techniques.

Charles Seitz is a network systems engineer for MCI WorldCom Advanced Networks in Nashville, TN.

Jennifer Stewart is engaged to be married to Sean Newton. The couple is planning a November wedding.

Class Notes

Will Watson is a financial advisor for Morgan Stanley Dean Witter in Alpharetta, GA.

1999

Michael Dale Warren was awarded the Brody Scholarship from the Eastern Carolina University School of Medicine, which he will be attending next year. He also received the prestigious Fullerton Scholarship, which provides \$20,000 a year for four years to one person from the incoming classes of North and South Carolina's seven medical schools. He was chairman of Project Pumpkin for the last two years and is a former City of Joy scholar.

Marriages

1980s

Bynum E. Tudor III (JD/MBA '86) and Beverly Hemphill. 9/29/98

Susan H. Crockett ('89) and Wiley J. Smith. 5/15/98

Sarah E. Ray ('89) and Brenton E. Bunn. 10/17/98

1990s

Helen Josephine Kafer ('90) and Troy Duane Varnadoe. 9/5/98

Scott McDonough ('90) and Julie Plante. 8/22/98

David C. Santamore ('91, MD '95) and Christalene L. Saldanha. 10/31/99

Laura S. Bush (MA '92) and Anthony S. Selacek. February 1999

Laurin Gentry ('92) and Derek Titus ('92). 10/10/98

Elizabeth Ann Neighbors ('93) and Michael Cole Way. 1/16/99

Samantha Adams ('94) and James Winter. February 1999

Carson Irwin Allcorn ('94) and Branson Joseph Fustes. 9/5/98

Jason G. Grimes ('94) and Jennifer L. Grimes. 11/28/99
K. Parker McLean ('94) and **Jeffrey M. Hendrix** ('94). 9/26/98

Ashley Elizabeth Moser ('94) and Joseph A. Veneziano Jr. ('94). 7/11/98

Jan Kimberly Stewart ('94) and Thomas Aldis Swanton. 8/29/98

Nicole Wellman ('94) and Steffen Werner. 8/29/98

Jody Wooten ('94) and Michael Binkley. 10/10/98

JoAnna Wyche ('94) and Lewis Carter Laney. 5/15/99

Michael Larry Briggs ('95) and Kathryn Anne Wilson. 2/27/99

John Cimaroli ('95) and Kate Weber ('95). 10/17/98

Kimberly Dawn Hensley ('95) and A. Scott Harris. 10/24/98

Katherine Casey Kline ('95) and **Brian Mitchell** ('95). 12/31/98
Lauren Richardson ('95) and **Bradford Noyes**. 11/4/98

Stefany Dawn Griffin ('96) and **Christopher Carroll Souther** ('97). 9/26/98

Paul Kinser ('96) and **Megan Doolittle** ('96). April 1997

Jennifer Todd ('96) and **Nicholas Serenyi**. 9/14/98

Julie Marie Wiley ('96) and **Jonathan Weaver Day**. 12/12/98

Tiffany Y. Burleson ('97) and **Benjamin K. Poulouse**. 6/5/99

Mark Hamilton Tucker ('97) and **Karen E. Graham**. 8/1/98

Kristen Eppley ('98) and **Matt Jones** ('96). 7/11/98

Courtney Clayton Furley ('98) and **David Gates** ('98). 9/5/98

Births and Adoptions

1960s

Vernon E. Cardwell (JD '69) and **Deborah Cardwell**, Stoneville, NC: daughter, **Peyton Leigh**. 6/5/99

1970s

James A. Hylton ('75) and **Jan Price Hylton**, Sanford, NC: daughter, **Mary Ann**. 7/5/98

John B. Stamps ('79) and **Kathleen G. Stamps**, Oxford, GA: son, **Fletcher James**. 4/4/99

Kim Peeler Yucha ('79) and **Jim Yucha**, Glen Allen, VA: daughter, **Grace Elizabeth**. 6/27/98

1980s

Jeff Dunham ('82) and **Catherine Dunham**, Fayetteville, NC: son, **David Ross**. 2/6/99

Laura McCaskill Alford ('83) and **Michael Alford**, Frisco, TX: son, **Alex Michael**. 3/9/99

Donna Blankenship Morris ('83) and **Michael W. Morris**, Denton, NC: daughter, **Kathleen Morris**. Adopted 7/7/98

David B. Ramsey ('83) and **Terri Hardin Ramsey**, Greensboro, NC: daughter, **Elizabeth Blair**. 12/01/97

Katy Rust Trotter ('83) and **Paul Hughes Trotter**, Charlotte, NC: son, **Mark Randolph**. 4/6/98

David Caldwell ('84) and **Audrey Caldwell**, Springfield, VA: son, **Thomas Michael**. 12/7/97

Robin Gault-Winton ('85) and **Tom Winton**, Raleigh, NC: daughter, **Zoë Winton**. 4/24/96

E. Parker Herring (JD '85) and **Steven Lorenz**, Raleigh, NC: son, **Mackenzie Scott**. 5/16/98

Michael Pratapas (MAEd '85) and **Beth Wonders Pratapas**, Winston-Salem, NC: son, **Luke Michael**. 11/12/98

Deborah Wortman Towner ('85, MS '87) and **Frederick Towner**, Emmaus, PA: daughter, **Diana Corrine**. 12/1/98

Alison Dubbs Levinson ('86) and **Jack Levinson**, Charlotte, NC: daughter, **Abigail Lillian**. 1/4/98

Patrick Hale Simpson (MBA '86) and **Sue Simpson**, Winston-Salem: daughter, **Claire McKinley**. 9/8/98

Emerson Thompson (JD '89) and **Ellen Thompson**, Durham, NC: twin daughters, **Camille Traynham** and **Hoke Britain**. 4/7/99

Stephen M. LaMastra ('87) and **Anne LaMastra**, Atlanta, GA: son, **Connor Kelly**. 10/9/98

Cynthia Henry Massaro ('87) and **Chris Massaro**, Columbia, SC: daughter, **Rachel Elizabeth**. 11/23/98

Bradford L. McRae ('87) and **Sarah McRae**, Worcester, MA: son, **Ethan Paul**. 3/31/98

Deborah G. Mitchum ('87) and **Andy Mitchum** ('86), Greensboro, NC: daughter, **Emily Rebecca**. 7/8/98

Susan Beam Eggers ('88) and **David Eggers**, Fuquay-Varina, NC: son, **Elliot David**. 3/2/99

Scott Herman ('88) and **Amy Herman**, Winston-Salem: daughter, **Catherine Armstrong**. 1/28/99

Lisa Skinner Lefler ('88), Wilmington, NC: son, **Cameron Daniel Lefler**. 1/12/99

Donald Charles Titherington ('88) and **Rebecca Titherington**, Weddington, NC: son, **Matthew Joseph**. 4/5/98

Holly Underwood Verde (JD '88) and **Wayne Verde**, Holland, MI: twin daughters, **Hunter Rachel** and **Ryley Jean**. 8/22/98

Heather Scott Westman ('88) and **Carl Westman**, Chattanooga, TN: son, **Scott Andrew**. 2/31/1999

Susan Reeves Blodgett ('89) and **Timothy Blodgett**, Rochester, NY: son, **Jackson Reeves Blodgett**. 9/2/98

Rob Hoysgaard ('89) and **Julie Hoysgaard**, Chicago, IL: son, **Robert William III**. 2/20/99

Linda A. Church Jackson ('89) and **Mike K. Jackson**, Richmond, VA: son, **Thomas Elliot**. 8/26/98

Charles H. Killebrew Jr. ('89) and **Sheila Huntley Killebrew** ('89), Lexington, NC: son, **Andrew Everett**. 2/01/99

Cara Donovan Sullivan ('89) and **Matthew Sullivan**, Lawrenceville, GA: two sons, **Alexander Jacob**, 2/29/96; **Sean Matthew**, 4/29/98

1990s

James W.C. Broughton ('90) and **Grace Broughton**, Washington, DC: daughter, **Grace Belk**. 3/11/99

Sandra Rich Foreman ('90) and **John Brower Foreman**, Kernersville, NC: son, **John Brower Jr.** 9/28/98

Kimberly Irvine House ('90) and **Clay House**, Federal Way, WA: son, **Kyle Clayton**. 10/3/98

Donna Colberg Kelly (JD '90) and **Patrick Kelly**, Charleston, WV: son, **Joseph Patrick**. 10/9/98

Scott Kyles ('90), Mount Airy, NC: son, **Harrison Matthew**. 9/14/98

Anthony Piechnik ('90) and **Joanne Piechnik**, Arlington, MA: son, **Matthew Ben**. 8/27/98

Kelly Baker Proehl ('90) and **Richard Scott Proehl** ('90), Greensboro, NC: son, **Christian Blake**. 1/12/99

Lisa Bowen Upper ('90) and **George Upper**, Greensboro, NC: son, **Timothy Marshall**, 6/16/93; son, **Josiah Chamberlain**, 9/4/94; daughter, **Martha Louise**, 5/1/98

Class Notes

Elizabeth Prioleau Boyles ('91) and **Robert Harville Boyles Jr.** ('90), Mount Pleasant, SC: son, Robert William. 2/3/99

Rebecca Wellborn Grant ('91) and **Jay Grant** ('91), Atlanta, GA: daughter, Julia Scott. 4/2/99

Courtney Brooks Hallock ('91) and **Jeff Hallock**, Leawood, KS: daughter, Anna Lillian. 12/7/99

Pete Hines ('91) and **Shannon Hutcherson Hines** ('94), Alexandria, VA: son, Connor Jackson. 4/30/99

David J. Innes ('91) and **Maureen Maguire Innes**, Alpharetta, GA: daughter, Paige Elizabeth. 8/20/98

Laura Anne Buffaloe Raynor ('91) and **James Patrick Raynor**, Fayetteville, NC: son, Andrew Julian. 11/17/98

Nicole Johnston Schutt ('91) and **Scott David Schutt** ('89), Pittsburgh, PA: son, Zachary David. 4/16/98

Jonathan L. Bogle ('92) and **Yvonne E. Bogle**, Atlanta, GA: son, Jacob Robert Edward. 2/23/99

Jennifer A. League-Sobon ('92) and **John Sobon**, Winston-Salem: daughter, Holly Kay. 12/8/98

Gray Stikeleather Handwerk ('93) and **Phil Handwerk**, Greensboro, NC: son, Noah Phillip. 2/4/99

Lori Loomis Livingston ('93) and **Eric Livingston**, Winston-Salem: daughter, Adrienne Elise. 8/31/98

Rachel Weaver Strife ('93) and **Peter Strife**, Waccabuc, NY: daughter, Josie Annabel. 1/15/99

Suzanne Crumling Forrest ('94) and **Brian Forrest**, Georgetown, TX: daughter, Grace Judith. 11/17/98

Richard S. Mairone ('94) and **Michelle Parrella Mairone**,

Somers Point, NJ: son, John Robert. 1/17/99

Jennifer Middleton Zonts ('94) and **Keith Zonts**, Winter Park, FL: daughter, Caroline Mallory. 11/12/98

Christa Huls Beck (MA '95) and **Philip A. Beck**, Greensboro, NC: daughter, Kathryn Anne Elyse. 6/27/98

Deaths

Alumni

Marvin L. Slate ('26), February 22, 1999, High Point, NC. He was a physician in Guilford County and High Point, retiring in 1981 after a 48-year medical career. He was a member of the Guilford County Medical Society, the North Carolina Medical Society, and the American Medical Association. He was also a member of the High Point Lions and Kiwanis Clubs. He is survived by his wife, Linda Slate; a son; a daughter; four stepchildren; two grandchildren; and nine stepgrandchildren.

George Lemeul Holcutt ('28), February 14, 1999, Greenville, NC. He was a graduate of Southern Baptist Theological Seminary in Louisville, KY, and was a Southern Baptist minister for 31 years, serving churches across North Carolina, including Matthews, Charlotte, Norwood, Fayetteville, and Ridgecrest. Following official retirement, he served as interim pastor at Friendly Community Baptist Church in Rocky Point, NC, for 15 years. He is survived by his daughter, Margaret Hocutt Ramsdell; and two grandchildren, Charles Michael Ramsdell II and Jennifer Elise Ramsdell.

Wade B. Matheny ('28), December 2, 1998, Forest City, NC

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Robert E. Efird (JD '29), March 25, 1999, Winston-Salem, NC. He worked as a lawyer in Albemarle before moving to Winston-Salem, where he worked 33 years with the Veterans Administration. He is survived by his wife, Lucienne Massey Efird; three children: Susan Efird, Deborah Efird, and James Efird; and one grandchild.

Mabel King Becker ('30), December 4, 1998, Antioch, TN

Albert Martin ('30), March 20, 1999, Boonville, NC. He was a retired school principal of Boonville School and served in the North Carolina Legislature from 1978 to 1980. He was a deacon and member of Boonville Baptist Church, a charter member of the Boonville Lion's Club, and a member of Yadkin Masonic Lodge #162. During his teaching career, he was also a successful girl's basketball coach. He is survived by his wife, Jessie Leigh Dickson Martin; a son, Jay Martin; and two grandchildren. Memorials may be made to the Albert & Jesse L. Martin Scholarship Trust Fund, c/o Ed Lakey, 8016 N.C. 601, Boonville, NC, 27011.

Leon Henry Corbett Sr. ('31, JD '34), March 4, 1999, Burgaw, NC. He practiced law in Pender County, NC, for 40 years and was past president of the Pender County Bar, the 5th Judicial District Bar, and the North Carolina State Bar. He is survived by two sons, **Leon H. Corbett Jr.** ('59, JD '61) and **Robert H. Corbett** ('70, JD '73); and four grandchildren.

Ellis P. Gaddy ('35), November 11, 1997, Greensboro, NC.

Winford Lee Patton ('35), November 6, 1998, Asheville, NC

Thurman J. Ross ('35), October 15, 1997, Clearwater, FL

Paul A. Wells ('35), November 25, Rocky Mount, NC

James Dockery Williams ('35), March 4, 1999, Winston-Salem. He graduated from Southern Baptist Theological Seminary in 1940 and served as pastor at First Baptist Church in Tarboro, NC; First Baptist Church in Spindale, NC; and First Baptist Church in Mt. Holly, NC. He served as a member of the General Board of the North Carolina State Baptist Convention and as a member of the Board of Directors of the Biblical Recorder, as well as serving on the boards of several community service organizations. He is survived by his wife, Anne Taylor Williams; three children: Gordon Williams, Richard Williams, and Linda Slaviero; and three grandchildren.

William Robert Patton Jr. ('36), October 9, 1998, Erwin, TN

Marler Slate Tuttle (MD '36), February 8, 1999, Knapolis, NC

Worth M. Byrd ('37), March 26, 1999, Sanford, NC. He received a master's degree in orthodontics from UNC-Chapel Hill and graduated from the Medical College of Virginia. He was a member of the N.C. Orthodontics Society, North Carolina Dental Society, and American Dental Society. He is survived by his wife, Virginia Byrd; three children: Jones Byrd, Sam Byrd, and Sarah Turner; and eight grandchildren.

Thomas Alpheu Morris Jr. ('37, MD '39), February 13, 1999, Westport, MA

David Palmer Brooks ('39), December 11, 1998, Shelby,

NC. He was a pastor at two churches before working in the Sunday School department of the Baptist State Convention from 1948 to 1960. From 1960 to 1980 he was an editor with the Sunday School board of the Southern Baptist Convention. He was also the author of several books, including *The Bible: How to Understand and Teach It* and *Dealing with Death: A Christian Perspective*. He is survived by his wife, Fan Bost Brooks; four daughters; and three grandchildren.

James Leonard Bates ('41), October 17, 1998, Urbana, IL

William Henry West ('41), November 8, 1997, Chesapeake, VA

Paul M. Dennis ('43), September 3, 1998, Greensboro, NC

Darris Yates Bingham ('45), July 29, 1998, San Antonio, TX

Thomas Leary Gillikin ('48), October 12, 1998, Portsmouth, VA

Zeno Hardy Rose (JD '48), March 21, 1999, Ahsokie, NC. He was a navigator in the Army Air Corps during World War II. In 1948 he began practicing law with the Wilson, NC, firm of Lucas and Rand. He remained with that firm, now known as Rose, Rand, Orcutt, Cauley, Blake and Ellis, until his retirement. He is survived by two daughters, Nolie Rose and Margaret Rose; and four grandchildren.

I.O. "Jim" Wilkerson ('48), March 25, 1999, Raleigh, NC. He served in the United States Air Force and went on to become hospital administrator at Duplin General Hospital in Kenansville, NC. He then joined the Division of Facility Services of the North Carolina

hospital system and eventually became its director. He also held a position on the Medical Care Commission, and served as its director until his retirement in 1989. He is survived by his wife, Doris Bizzell Wilkerson; two children, William Albert Wilkerson and Mary Ellen Radford; and two grandchildren.

Donald Jackson Earley ('50), July 15, 1998, Colerain, NC

Vivian Snuggs Hall ('50), February 12, 1999, Fayetteville, NC. The cause of death was a malignant brain tumor. She taught English and Latin in Goldsboro High School, Massey High School, and Terry Sanford High School in Fayetteville. She is survived by her husband, Daniel Hall; a son, Stephen F. Pate; three daughters: Katherine Pugh, Jenny Lind Hall, and Sarah Joyce Wolfe; and six grandchildren.

William Ralph Rucker ('50), June 10, 1997, Wilmington, NC

Jane Elliott Bridgers ('51), November 7, 1997, Duluth, GA

John Bostian Garrett (MD '51), January 11, 1999, Walkertown, NC. He was a longtime and beloved doctor in the Walkertown community, serving as its only physician during a large part of his 42-year medical career.

Charles Smith Jr. ('52), January 19, 1999, Lexington, NC. He was a retired office manager for the North Carolina Department of Revenue. He is survived by his wife, Patricia Hodges Smith; four daughters; and three grandchildren.

Betty Jean Wallace Stephens ('52), January 7, 1999, Winston-Salem. She retired

from Medical Park Hospital. She and her husband operated an in-home craft business, and she was a member of the Winston-Salem Craft Guild and the Carolina Crafters. She is survived by her husband, Herbert B. Stephens; two daughters, Cindy S. Letchworth and Laurie Kudlinski; a son, Jeffrey Stephens; and two grandchildren.

Bobby L. Crook ('57), September 26, 1998, Albemarle, NC. He is survived by his wife, Marcella; a son, Jeffrey Crook; two daughters, Deborah May and Donna Crook; and four grandchildren.

Dorval Thompson Jones ('57), June 5, 1998, Lillington, NC

Henry Campbell Cole ('58), October 2, 1998, Raleigh, NC

Lois Elaine Bailey ('60), November 16, 1998, Greensboro, NC

Shockley D. "Hap" Gardner ('62), February 11, 1999, Richmond, VA. He was vice president of government and community affairs for Scott & Stringfellow, Inc., and Craigie Incorporated. Upon his death he was recognized by the Virginia House of Delegates and Senate for his outstanding service to the state and to the community at large.

Shockley Dewitt Gardner Jr. ('62), February 11, 1999, Richmond, VA

Jo Kirkpatrick Reynolds ('62), December 26, 1998, Warner Robins, GA

Sara Sue Withers (MA '62), July 16, 1998, Lincolnton, NC

Ronald Seymour Johnson ('66), January 3, 1999, Hartsville, SC

Robert Walter Freeman ('67, JD '69), June 20, 1998, Lebanon, PA

Class Notes



Thomas H. Davis (LLD '84), a giant in the field of aviation and a longtime friend, trustee, and benefactor of Wake Forest University, died April 22 in Winston-Salem. He was 81.

Davis founded what later became Piedmont Airlines in 1940, and under his

leadership it grew into one of the nation's most respected and profitable airlines. Based for most of its existence at Smith Reynolds Airport in Winston-Salem, the airline employed some 24,000 people and served about 100 airports at its peak.

Known and loved as a warm and caring man, Davis applied a personal touch to his business, whether walking through hangars chatting with mechanics or greeting arriving and departing passengers. When he sold Piedmont to USAir Group in 1987, longtime customers bemoaned the loss of personal service Piedmont had become prized for.

Davis was a leading fundraiser for Wake Forest University Baptist Medical Center. In 1969 he flew around the state with Manson Meads, then dean of the medical school, to raise money for a building campaign that topped its goal. He served five terms on the Wake Forest Board of Trustees from 1963 to 1988 and was named a life trustee in 1989.

The Davis family has ties to Wake Forest dating back to the early 1900s. Thomas' father, Egbert L. Davis ('04), for whom the Davis House residence hall on the Reynolda Campus is named, was a longtime member of the Board of Trustees and helped bring about Wake Forest's move to Winston-Salem in the fifties. Thomas Davis' brother, Egbert L. Jr. ('33), served three terms on the board between 1969 and 1984 as its chair in 1977. The brothers, along with their sister, Pauline Davis Perry, funded numerous scholarships and professorships at the University and made a \$1 million challenge gift for the Divinity School.

"Tom Davis was a dear friend to this institution, as well as to many people in this community," said Wake Forest President Thomas K. Hearn Jr. "Wake Forest was particularly blessed through the generosity and leadership he offered over the decades as a trustee. Personally, I will miss his friendship and counsel."

James W. Knott ('74), February 2, 1999, Winston-Salem. He was a fifth grade teacher at Bolton Elementary School and had taught in the Winston-Salem/Forsyth County schools for 24 years.

Michael D. Boyles ('77), November 6, 1996, King, NC

Julia Virginia Jones ('77), February 21, 1999, Charlotte, NC. She received an undergraduate degree from Queen's College and a master's degree in education from Appalachian State. She taught in the Durham and Chapel Hill schools before attending law school. Following law school, she was a clerk for United States District Court Judge Woodrow Wilson before joining the law firm Moore & Van Allen. She was elected a district court judge in 1990 and served in that capacity until her retirement in 1998. She also served on the boards of Queens College, the YMCA, the YWCA, Legal Services of the Southern Piedmont, and several other organizations.

Robert George Pullen ('90), March 9, 1999, Newport News, VA

Diane Louise Spittler (PA '94), March 23, 1999, Greensboro, NC. She was a physician's assistant at Roanoke-Chowan Hospital in Ahoskie, NC, and had taught at UNC-Greensboro, University of Florida, East Stroudsburg State College, and Concordia University in Montreal. She was also a senior research physiologist at Kennedy Space Center.

Faculty, Staff, and Friends

Ruth Foster Campbell, January 21, 1999, Guilford, NC. She was a native of Port Deposit, MD, and received her AB from WCUNC, her MA from UNC, and her PhD from Duke University. She retired from Wake Forest University, where she taught Spanish.

Dana Johnson, February 18, 1999, Newark, DE. She was the dean of the Wayne Calloway School of Business and Accountancy from 1992 to 1996 and went on to serve as dean of the University of Delaware College of Business and Economics.

Clarence H. Patrick, March 17, 1999, Winston-Salem. He founded the sociology department at Wake Forest and retired as professor emeritus in 1978 after teaching for 32 years. He was recognized as an authority on criminology and was influential in the local Civil Rights Movement: In 1960, he and his students polled white lunch counter customers in Winston-Salem about their views on desegregation. Ninety-one percent of the respondents said they would eat at a desegregated counter; the poll was distributed by the U.S. Information Agency as an example of a Southern city's peaceful desegregation. He also served on a committee that negotiated desegregation with local merchants. In Winston-Salem, he was a member of the city's interracial Goodwill Committee, the Urban League, and the Commission on Self-Reliance.

William S. Smith Jr., March 14, 1999, Winston-Salem. He retired in 1979 as CEO of

Reynolds Tobacco Company after 40 years of service. He was named to the Tobacco Industry Hall of Fame in 1972 and received many other recognitions from the Tobacco Industry. He was a member of the American Society of Corporate Executives, Rotary Club of Winston-Salem, and he volunteered for Meals-on-Wheels. He is survived by his wife, Dorothy Clements Smith; three children: Kathy Smith Unger, Nancy Smith Evans, and William Spencer Smith III; and six grandchildren.

Henry L. Valk, March 25, 1999, Advance, NC. He was a physician with the Bowman Gray School of Medicine for 42 years and retired as Emeritus Professor of Medicine in 1990. He is survived by two children, Elizabeth Valk Long and Henry Lewis Valk Jr.; and two grandchildren.

Joel A. Weston Sr., January 28, 1999, Winston-Salem. He worked at the Hanes Companies from 1941 to 1986, retiring as vice chairman of the board. He was active in the community, serving on the Tanglewood Park Board, the Winston-Salem Chamber of Commerce Board, and the YWCA Board, among others.

Meade Willis Jr., February 18, 1999, Winston-Salem. He was a longtime executive at Wachovia Bank and Trust Co., retiring in 1973 as senior vice president in charge of the Winston-Salem office after more than 42 years with the bank. A United States Naval Reserves officer during World War II, he spent more than three years in a Japanese prisoner-of-war camp. He also was involved in a variety of community service organizations in Winston-Salem.

T h e L a s t W o r d



David G. Brown and Craig Runde

What it's all about First things first. A Wake Forest education is about liberal arts, lifelong friends, recognizing differences, and serving others. Technology is a tool, a way to enrich dialogue, to deepen interpersonal exchange, to customize. The challenge becomes discovering the best ways to apply technology to enhance our core educational goals.

IN THE EARLY STAGES of Wake Forest's technology plan, technology has served to enhance communication and collaboration. Close faculty-student interaction has long been central to our education values. Rather than detract, technology has increased communication opportunities. If a question arises during a late-night study session, a student can e-mail the professor and receive a quicker reply than waiting until the next class session. Professors can use technology to electronically bring experts from around the world into classes to share new perspectives with students.

We are about to see two new uses of technology that will further enhance the Wake Forest education experience. One will enable professors to provide rich new electronic content to their students. A number of efforts are underway to integrate the use of multimedia content, simulations, self-diagnostic testing, and other electronic materials into courses. Instead of seeing a photograph of a molecular model, students can use three-dimensional electronic versions to move and view models from all sides.

The second development involves using technology to integrate and customize the various electronic resources available to members of the Wake Forest community. During the past year, a number of new administrative services

have been made available electronically through the Wake Forest Information Network (WIN). For example, this spring students used WIN for the first time to register for classes.



New developments with WIN will allow academic, business, research, and other electronic resources to be brought together through a single interface. In addition, each person will be able to personalize their screen to see their classes, their grades, research sites of interest to them, links to their favorite web sites, and the like.

The bright future for Wake Forest rests with re-emphasizing our basic themes of liberal arts, democratic traditions, religious values, and individuals with integrity. As long as we use technology to enhance these objectives, we will continue to be a leader. **W**

*David G. Brown, above left, is Vice President and Dean and Craig E. Runde, right, is Director of the Wake Forest University International Center for Computer Enhanced Learning (ICCEL). The center, which has hosted representatives from more than a hundred colleges and universities in the past year, has produced two books about the Wake Forest technology experience, *Electronically Enhanced Education* and *Always in Touch*, which can be seen on the ICCEL Web site at <http://iccel.wfu.edu>*

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