

VANDERBILT

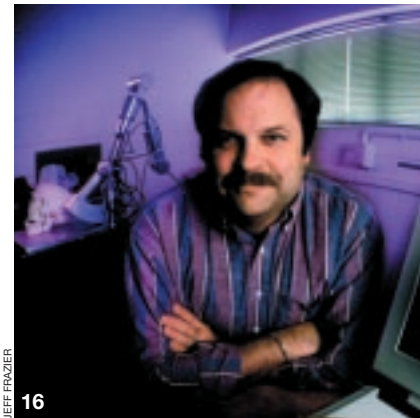
M A G A Z I N E

The Mysterious, Magnificent
Brain



Sailboat by alumnus Tom Allen, A '50
See page 51 for a profile of Allen and his work.

VOLUME 82 • NO. 4 • FALL 2001



JEFF FRANZER
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Mary Tom Bass, MEd'85, *Editor*
 Kenneth Schexnayder, *Managing Editor*
 Victor Judge, BS'77, MS'79, *Assistant Editor*
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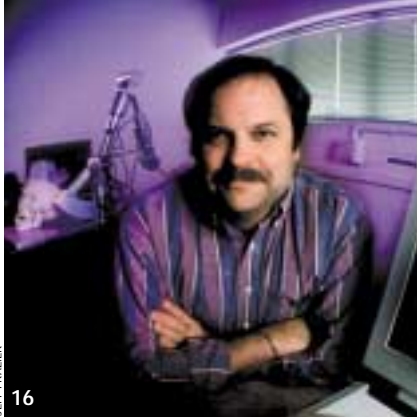


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NCI Designation Puts Cancer Center at the Top

■ The National Cancer Institute has designated the Vanderbilt-Ingram Cancer Center as a Comprehensive Cancer Center, the highest such ranking awarded by the federal government.

The VICC is the only center in Tennessee to join the top tier of cancer centers nationwide. This network of 39 institutions includes such respected centers as Memorial Sloan-Kettering Cancer Center, the University of Texas M.D. Anderson Cancer Center, and Johns Hopkins Oncology Center. Sen. Bill Frist made the announcement on campus in March.

"It is the Comprehensive Cancer Centers like Vanderbilt that are the leaders of this battle [against cancer], and the places where the cures for cancer are most likely to be found," he said in a written statement. "I'm proud that Vanderbilt has worked so hard to earn this distinction, and I'm pleased that the NCI has awarded this prestigious designation in recognition of Vanderbilt's commitment to fight cancer."

Frist, a Vanderbilt faculty member since 1986, is on leave from his position as assistant professor of cardiac and thoracic surgery.

To earn designation as a Comprehensive Cancer Center, a facility must go through a competitive review process and meet rigorous standards, specifically in three areas: innovative and comprehensive research into the causes, development, prevention, and treatment of cancer; leadership in the development and study of new therapies; and commitment to the community through programs for cancer information, education, and outreach.

Relatively few Comprehensive Cancer Centers are found in the southeast. Six states that border Tennessee do not have Comprehensive Cancer Centers.

The designation does not directly bring more money to the VICC. However, the prestige that comprehensive designation brings to the center is expected to help make it even more competitive in recruiting new talent and attracting new funding from both government and private sources.

RENO SPEAKS ABOUT VIOLENT CRIME

Janet Reno, America's first female attorney general, delivered the 11th annual Cecil Sims Lecture at the Vanderbilt Law School on April 9. Reno used her experiences as both a state attorney in Dade County, Fla., and as the nation's highest prosecutor under President Bill Clinton to convey a critical message about violent crime in America. "We can approach violent crimes in a comprehensive way as a course in a university setting, or we can continue to do it piecemeal," Reno said. Calling Vanderbilt the "most exciting" law school she has visited because of its potential to bridge medicine and law for the benefit of society, Reno pointed to the school's cross-disciplinary coursework as a prototype for future legal inquiry. Attorneys, for example, may study emergency room admissions data to understand and combat patterns of violent behavior such as spousal abuse through curricula such as Vanderbilt's.



JONATHAN RODGERS

VUMC Develops Tool for Understanding Tumors

■ Move over Kodak. Vanderbilt University Medical Center investigators have developed a new way to take a picture—of the molecules in a slice of tissue, that is.

The technique, called Imaging Mass Spectrometry, offers scientists a new tool for visualizing where proteins are located in cells and tissues. This information is important to understanding how proteins work and how they change in disease states.

The Vanderbilt team applied the new technology, described in the April issue of *Nature Medicine*, to taking molecular photographs of normal and malignant brain tissue slices.

"One of our goals is to look at tumor tissues and attempt to find changes in expressed proteins that are the result of, or contribute to, tumor development," says Richard Caprioli, director of the Mass Spectrometry Research Center. "We know from this and other work, for example, that the pattern of proteins expressed in the outer edge of a growing tumor is different from that of the interior, and that both of these are different from the normal tissue right next to the tumor."

Caprioli hopes someday the technology can be used to assess tumor margins during surgery and to detect molecular changes in a biopsy sample before a tumor has started any significant development.

He is working with Vanderbilt-Ingram Cancer Center investigators to image proteins in prostate, colon and brain tumors and "determine what new molecular events are occurring," he says.

Graduation Draws 17,000

■ An estimated crowd of 17,000 turned out to see 2,699 students receive degrees from Vanderbilt's 10 schools on May 11. Sixteen of these students received two degrees.



REYNOLDS

In his first Commencement address as head of the University, Chancellor Gordon Gee urges the Class of 2001 to "stretch" moments of celebration and guard against distractions during times of joy.



REYNOLDS

Amy Palma, who received a B.S. degree from the College of Arts and Science, celebrates while the names of her 1,301 undergraduate classmates are called. For the fourth consecutive year, Commencement exercises were cybercast over the Internet, with about 1,100 viewers tuning in to the Web cast.



REYNOLDS

SOARING TO NEW HEIGHTS

If you haven't driven by campus in the past year, hold onto your steering wheel as you cruise down the stretch of 21st Avenue South that curves past Vanderbilt Law School. The plain brown wrapper of a building that formerly housed the law school has been transformed beyond recognition. A \$23 million renovation is in its final months and targeted for completion in January 2002. Law students, faculty, and staff already are enjoying more spacious classrooms in two new wings, and renovation of the building's central core is also complete. The final phase, renovation of faculty offices, will complete the project.

What Your E-mail Says About You

■ If you think sending out error-free e-mail messages is impressive, you may want to think again. Research by David Owens, assistant professor at the Owen Graduate School of Management, suggests that people with high status in organizations tend to use the worst spelling and grammar in e-mails.

Owens looked at informal organizations within companies, and his findings suggest that while e-mail doesn't provide face-to-face visual information, it does offer clues about the correspondents' status. Lower status employees attempt to impress higher-ups by sending out properly composed messages, whereas those with high status are writing to subordinates and are not as concerned with grammar and spelling.

Owens suspects that high-status employees may not have the typing or computer skills that employees working in lower status positions may have. "I would not be sur-

prised to find that status and typing skills are inversely correlated," he says.

In addition, lower status employees are more likely to send messages with emoticons—the smiley, winking, and frowning faces formed by colons, semicolons, and parentheses. (Owens, who did not coin the word emoticons, says it comes from a contraction of emotions and icons.)

"Sending out smiling or giggling faces can signal submission. A lower-status worker may send out an e-mail with the sentence 'Hi! How are you :-)' using emoticons and exclamation points."

Although he cautions that his research is preliminary, Owens's findings may have an impact on working relationships down the road. "If people are aware of the social implications of the e-mail they send, they can make a choice about how to present themselves."

The Commodore's Got a Brand New Bag

■ It had to happen, given the combined power of the Internet and the \$13 billion snack chip industry.

Cornelius Vanderbilt, that rags-to-riches 19th-century railroad magnate who spawned a family dynasty and shared a cool million to found a southern university, now is being credited widely as the man indirectly responsible for the potato chip's invention.

The story, promulgated by Frito-Lay Inc. and fueled by the Idaho Potato Growers, among others, goes like this: In 1853, Cornelius Vanderbilt, while dining at Moon's Lake House in Saratoga Springs, New York, ordered fried potatoes with his meal and found them too thick for his taste. Back to the kitchen they went.

The cook, George Crum, was—depending on which source you believe—prompted by either a fit of cheffy pique or pranksterism to slice a new batch of potatoes paper-thin, fry them to a crisp, and salt them heavily.

The result reportedly was such a hit with the Commodore and his cronies that Crum put them on the menu. From there the “crunch potato slices” became all the rage at fashionable East Coast watering holes, and by 1895 they were being manufactured for sale in grocery stores.

However, Urban Legends Reference Pages, a Web site devoted to examining urban legends (<http://www.snopes.com>), disputes the tale, arguing that while the basic story may have some validity, the likelihood that Cornelius Vanderbilt was the dissatisfied diner is extremely slim.

Like many of his contemporaries, Cornelius Vanderbilt was a devotee of séances and seers: Maybe it's time to haul out the Ouija board, go to the source, and settle this once and for all.

Whatever the truth, at least one potato chip manufacturer, Boyd's of Lynn, Massachusetts, repeats the legend of the churlish Cornelius and the irascible chef on their chip bags.

In any case, we predict there's no turning back: When has truth ever stood in the way of a good PR gimmick? Don't be surprised if one of these days while channel surfing you discover the Commodore reinvented as snack food spokesmodel, à la Charlie Tuna and the Jolly Green Giant.



University's Impact on Mid-State Economy Nearly \$3 Billion

■ Vanderbilt's impact on the local economy totaled at least \$2.8 billion last year. The University's economic activity in Middle Tennessee in fiscal year 2000 was up from \$2.4 billion in FY'99—a seventeen percent increase.

The University financial analyst who conducted the study used standard methods for assessing economic impact, taking into account direct expenditures such as salaries and wages, fringe benefits, vendor payments, capital construction and equipment, taxes and fees to state and local government, as well as the spending Vanderbilt employees, faculty, students, patients, and visitors inject into the economy.

“Universities and medical centers are tremendous economic engines, but the numbers only tell part of the story,” explains Chancellor Gordon Gee. “By creating new ideas, educating future generations, and providing the most sophisticated health care, Vanderbilt's priority is to improve the quality of life for the people of the Nashville area. We are citizens of this community and have as much at stake in its continued economic vitality as anyone.”

The largest private employer in Middle Tennessee and the second largest in the state, Vanderbilt employs about 15,000 individuals.

Rare Books on Exhibit

■ Throughout the spring semester, the Heard Library and the First Amendment Center cosponsored an exhibit of rare and significant historic books and manuscripts loaned to the library by the Remnant Trust, a foundation based in Hagerstown, Indiana.

Known as the Wisdom of the Ages Athenaeum, the collection consists of more than 400 first and early edition texts on “liberty, fraternity, and equality,” according to Trust founder Brian Bex. Items loaned to Vanderbilt included the Magna Carta, the first public printing of the Emancipation Proclamation in the New York Times (1862), the first edition of Milton's *Areopagitica* (1644), one of only three known copies of St. Thomas Aquinas' *Summa Theologiae* (1475), and 41 other works of literary, political, social, and religious interest.

“We could hardly believe it was true when we first heard about this exhibit,” says Paul Gherman, University librarian. “Librarians tend to be somewhat schizophrenic between wanting to preserve historic materials in their most pristine condition and allowing people to have access to them. The two rarely go together.”



This edition of the Magna Carta was printed in 1542.

The mission of the Remnant Trust is to make great works that advance the ideas of freedom and democracy accessible. “We want to make the original texts available so people can form their own opinions. The great ideas belong to everybody; they should be shared,” says Bex.

Students in history and political science classes at Vanderbilt used the books during the spring semester, as did students from Nashville's Overton High School and University School.

Physicists Develop New Technique to Find Hidden Corrosion

■ Corrosion can run, but now it can't hide. Vanderbilt physicists have developed a new remote-sensing technique that can detect corrosion hidden deep within metal joints where conventional detection methods fail.

According to a 1996 study, corrosion in roads, bridges, passenger and freight railway systems, pipelines, harbors, airports, water treatment plants, solid waste disposal facilities—virtually every part of our nation's complex infrastructure—may be costing the country as much as \$300 billion per year.

About a third of this deterioration can be prevented using conventional electrochemical methods, the study estimates. But corrosion also occurs on hidden surfaces where it is extremely difficult to detect.

In a paper presented at the March meeting of the American Physical Society, John Wiksw, A.B. Learned Professor of Living State Physics, and research associate Grant

Skenner reported that they have successfully used a super-sensitive piece of microelectronics, called a Superconducting Quantum Interference Device or SQUID, to detect subtle changes in magnetic field strength that are generated when small amounts of metal corrode.

“SQUIDS are extremely sensitive magnetometers,” says Wiksw. “Relative to their sensitivity, a tremendous amount of magnetic flux is generated when a small amount of metal corrodes.” Moreover, the tiny high-tech devices do not need to make physical contact with a metal specimen to detect the presence of corrosion, and they can measure corrosion hidden from view.

Funded by the U.S. Air Force, their study tested the SQUID's ability to image magnetic fields associated with hidden corrosion in metallic specimen samples removed from aging military planes.



ENGINEERING PROF GETS A NATIONAL NOD

Bridget Rogers, assistant professor of chemical engineering, has won the prestigious Career Award from the National Science Foundation (NSF) for her research on alternative materials that could be used to make faster and more economical computer components. Considered NSF's most significant honor for junior faculty members, the national award will fund five years of her research. Rogers and her associates are studying alloys that could replace the silicon dioxide used in transistors and other microelectronic devices that are the heart of computers. As transistors continue to shrink, the silicon dioxide layer also must be reduced in thickness, ultimately becoming too thin to control the transistor's electrical current. Rogers and her team are studying materials strong enough at the molecular level to replace silicon dioxide. Left, Rogers works with Virginia Wahlig, a senior in the School of Engineering.

Stats on Wheels 2000–2001 Academic Year



Parking spaces on campus
8,340

Handicapped parking spaces
155

Registered cars
7,941

Registered bicycles
260

Parking tickets issued
16,317

Parking ticket appeals
1,268

Success rate of appealed tickets
14 %

Creative excuses for appeals
Diarrhea, suicide, feminine problems

Cars towed by
Martin's Towing Service
1,824

Wrecks on campus
and adjoining streets
158

Instances of accidentally locked
vehicles requiring assistance
805

Jumpstarts
796

Sources: Vanderbilt Traffic & Parking and Police & Security



KEEPING IN TOUCH

"Is he in trouble?" a worried mother begged, convinced that her son must have erred to provoke a call from the dean. Her fears were calmed, though, as Dean Ellen Brier, director of Peabody student affairs, explained that she telephones all freshmen twice a year simply to ask how they are doing. Brier's dedication to this task has yielded salient results: the retention rate among Peabody freshmen reached 95 percent in the fall of 2000, an improvement over previous years. Brier credits her years of research on student retention with helping her gain the expertise necessary for dealing with this age-old administrative challenge. "While it's not my goal to retain every student," she says, "it is my goal to ensure that every student has the opportunity to find out whether or not Vanderbilt is the right fit." In exemplifying the University's commitment to students' happiness and academic success, Brier has helped many students find personal, lasting connections to the school.



DAVID GREENHAWK

Latino Sorority, Fraternity Diversify Greek System

■ Vanderbilt's Greek community was broadened last spring with the addition of its first Latino sorority and fraternity.

The sorority, Lambda Theta Alpha, emphasizes academic success and community service. It received a green light from a sorority expansion committee and Vanderbilt officials to launch a campus chapter earlier in the year. Administrators also approved Lambda Theta Phi, a Latino fraternity that had already begun to organize. Both will diversify the University's Greek system while offering a new option for minority undergraduates,

say student and school representatives.

"We have organizations on campus that are for Latino students, but we wanted a Greek organization, just to be reflected within that community," says Gloria Rosario, a junior from New York. The 208 Hispanic students at Vanderbilt last year comprised nearly 3.5 percent of the undergraduate population.

The new Latino sorority and fraternity, along with the campus's three black sororities and three black fraternities, mirror a national trend among Greek systems to diversify.



NEL BRANKE

VANDERBILT STEERS INTO AMERICA'S FASTEST-GROWING SPORT

Vanderbilt entered the world of professional automobile racing recently, as the No. 28 Monte Carlo owned by Gary Baker, JD '71, debuted in a NASCAR Busch Series race bearing Vanderbilt's name, logo, and colors. Driven by Baker's son Brad, the car will run a 15-race schedule in 2001, which began with the NAPA Auto Parts 300 at Daytona International Speedway on February 17. Baker was excited to put his alma mater's colors and name on his car, calling

the relationship between Baker Racing and Vanderbilt "a natural." Through the contract with Galaxy Marketing of Lexington, Tenn., Vanderbilt will not only benefit from merchandise sales associated with the car but also will receive a full-sized replica for use at charity events. The car was unveiled for local viewing at Memorial Gym on February 24 as Vanderbilt and Tennessee battled in men's basketball.

Nursing Shortage Hurts Patients

■ A School of Nursing researcher has found a direct correlation between nurse staffing and patient health and survival, according to a study released by the U.S. Department of Health and Human Services.

The findings from the report, the most comprehensive to date on the topic, show that low nurse staffing directly impacted patient outcomes, ranging from urinary tract infections to shock and bleeding.

"This is the largest and most sophisticated study to date concerning the relationship between hospital nurse staffing and patient outcomes," says the study's co-director, Peter Buerhaus, senior associate dean for research and Valere Potter Distinguished Professor of Nursing.

"We have provided evidence that nursing staff matter in what happens to patients. Perhaps the results will enable us to move health policy forward and make it possible to provide hospitals and nurses with the kind of resources that will enable them to enrich staffing levels to the point where adverse patient outcomes can be reduced," he adds.

Utilizing 1997 data from more than 5 million patient discharges from 799 hospitals in 11 states, researchers found there were consistent relationships between nurse staffing variables and five patient outcomes—urinary tract infections, pneumonia, shock, upper gastrointestinal bleeding, and length of stay in medical and major surgery patients.

The report also showed higher RN staffing was associated with a 3 to 12 percent reduction in certain adverse outcomes and higher staffing at all levels of nursing was associated with a 2 to 25 percent reduction in adverse outcomes.

Last year, Buerhaus published a study in the *Journal of the American Medical Association* projecting that the pool of registered nurses will fall drastically by the year 2020. In comments about the impending shortage, he said that the consequences of the lack of staffing put patient care at risk.

"Improving patient safety is a critical issue, and our study puts the impact of staffing mix and levels before the nursing profession, hospital industry, insurers, and policy makers," he says. "It now remains to be seen what they will do.

Sharp Increase in Applicants Lands Vanderbilt on 'Hot' List

■ A report released recently by Newsweek/Kaplan listed Vanderbilt atop eight other colleges and universities deemed to be "America's Hot Schools."

What makes schools such as Vanderbilt, Vassar, Tulane and Emory hot? While the primary consideration was the number of students competing for admission, weight was given to subjective criteria as well.

"All [schools on the list] boast rises in applications that sharply outstrip the national averages," according to the article, which appeared in a special newsstand issue of the Newsweek/Kaplan publication *How to Get Into College*. Citing Nashville, the article said "it helps to be in or close to a vibrant city."

Competition to attend Vanderbilt has increased dramatically in recent years, with the number of undergraduate applications increasing by 14.7 percent from 1999 to 2001, said Bill Shain, dean of undergraduate admissions.

"The past five years were the highest in terms of freshman applications in the University's history," said Shain. "This year is absolutely a record."

The other schools on the list, in order of appearance in the article, are Hampshire College (Massachusetts), Wesleyan University (Connecticut), University of Michigan at Ann Arbor, Oberlin College (Ohio), Vassar College (New York), Franklin Olin College of Engineering (Massachusetts), Emory University (Georgia) and Tulane University (Louisiana).

"[Vanderbilt's] offerings are vast and surprising," wrote the authors of article. "It boasts one of the most advanced programs in the nation for studying online commerce."

The report cited a current student who said she chose Vanderbilt over the University of Pennsylvania and Rice because of the blend of rigorous academic programs and "Southern gentility."

"Vanderbilt's popularity has been increasing rapidly for the past few years, and the record number of applications proves it," said Chancellor Gordon Gee. "Our reputation continues to catch up with the reality that Vanderbilt is a hot school thanks to our excellent faculty, students and staff."

The list is intended to help prospective

VANDERBILT SCHOOLS AMONG THE BEST

5th
Peabody College

16th
School of Medicine

17th
Law School

26th
Owen Graduate School of Management

In March, *U.S. News & World Report's* annual survey of the nation's top graduate and professional schools placed four of Vanderbilt's schools among the best. *U.S. News* did not rank nursing schools this year. In last year's survey, the School of Nursing was 27th.

NEL BRANKE

students "look beyond the Ivy League," due to a herd mentality that oftentimes leads persons to choose a school because of a name, rather than other important factors such as specific programs.

"To choose a college as though it were a brand of sneaker is to forget to match your needs to a school's strengths," wrote the article's authors.

University, School of Engineering Move Up in Latest *U.S. News* Rankings

■ Vanderbilt and the School of Engineering each advanced one spot in the latest rankings by *U.S. News & World Report*.

The University is listed as 21st in the magazine's survey of the nation's best national universities, while the engineering school is ranked 43rd among undergraduate programs at schools offering Ph.D.s. Among schools considered "best values," Vanderbilt jumped from 46th place to a tie with five other institutions for 36th place.

"Rankings like this represent just one way to assess the quality of the University," said Chancellor Gordon Gee. "By that standard, Vanderbilt is doing very well. But the real measure comes from our faculty, students and alumni who make Vanderbilt an excellent, dynamic and constantly improving university."

The first five positions in the "best national universities" rankings are held by the same five schools as last year, plus two new ones:

Princeton, No. 1; Harvard and Yale, tied at No. 2; California Institute of Technology at fourth and Massachusetts Institute of Technology at fifth. Stanford and the University of Pennsylvania advanced from sixth place last year to a tie with MIT for fifth place.

In determining best values, the magazine's editors said they used a formula that relates a school's academic quality, as indicated in the magazine's ranking, with the net cost of attendance for a student who receives the average level of financial aid.

The full rankings and additional information will be in the newsstand book *America's Best Colleges* and the Sept. 17 issue of *U.S. News & World Report*, both of which went on sale Sept. 10.

This is the 12th year that Vanderbilt has been chosen by the magazine as one of the nation's top 25 universities.

President Bush Nominates Alumnus as Ambassador to Latvia

■ President Bush recently nominated a Vanderbilt alumnus to serve as ambassador extraordinary and plenipotentiary of the United States to the Republic of Latvia. Nominee Brian E. Carlson earned a bachelor of arts in history from the University in 1969.

According to information provided by the White House, Carlson is a career member of the Senior Foreign Service, and has served as senior adviser to the undersecretary for public diplomacy and public affairs since 2000. Previously, he was director of public diplomacy in the State Department's Bureau of European Affairs and held the post of public affairs officer in Spain from 1994 to 1998. From 1991 to 1993, he was director of European Affairs at the United States Information Agency. His earlier overseas assignments include service as deputy public affairs officer in London, public affairs officer in Oslo, Norway, and Sofia, Bulgaria, and assistant information officer in Belgrade and Caracas, Venezuela.

Latvia, a Baltic state, is located in north-eastern Europe bordering Estonia, Lithuania and Russia.

As with all upper-level presidential appointments, Carlson's nomination must be confirmed by the U.S. Senate. The date for the



PHOTO COURTESY OF BRIAN AND MARCIA CARLSON

U.S. ambassador to Latvia nominee Brian E. Carlson, will soon go before a Senate confirmation vote. Marcia, his wife, graduated from the School of Nursing in 1969.

confirmation vote has not been determined. If confirmed, Carlson will join W. Robert Pearson as a Vanderbilt graduate currently serving as U.S. ambassador. Pearson graduated from the College of Arts and Science in 1965 and was confirmed as U.S. ambassador to Turkey in 2000.

Carlson and his wife, Marcia, who graduated from the Vanderbilt School of Nursing in 1969, currently live in Virginia.

VU Alumni, U.S. Ambassadors

Alvin P. Adams Jr.
Graduated: 1967 (Law)
Ambassadorships:
Haiti (1988-92), Djibouti (1983-85)

K. Terry Dornbush
Graduated: 1955 (A&S)
Ambassadorship: Netherlands (1994-98)

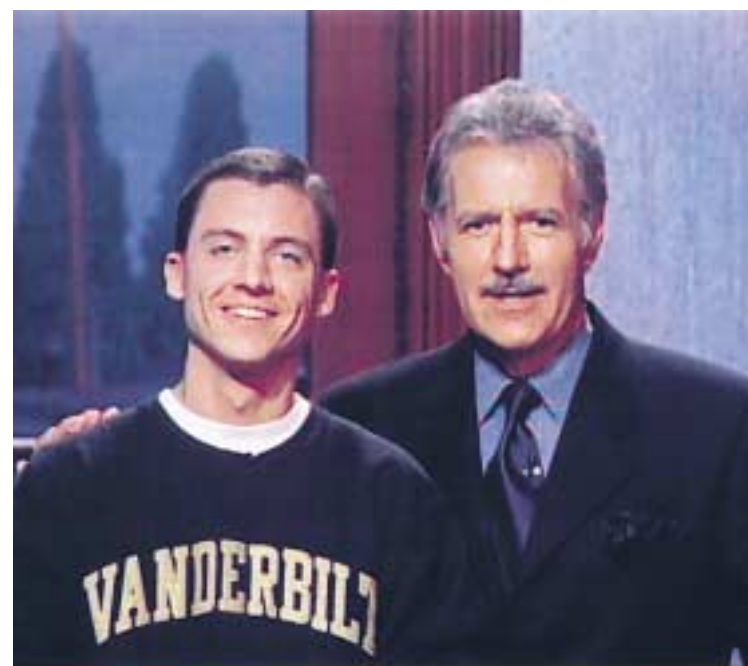
Guilford Dudley Jr.
Graduated: 1929 (A&S)
Ambassadorship: Denmark (1969-71)

Samuel F. Hart
Graduated: 1969 (Graduate School)
Ambassadorship: Ecuador (1982-85)

Marshall F. McCallie
Graduated: 1967 (A&S)
Ambassadorship: Namibia (1993-96)

W. Robert Pearson
Graduated: 1965 (A&S)
Ambassadorship: Turkey (2000-present)

Jim Sasser
Graduated: 1958 (A&S) 1961 (Law)
Ambassadorship: China (1996-99)



ENGINEERING STUDENT HAS THE ANSWERS

Engineering junior Matt Keller matched wits last spring with top national students as a contestant in the annual JEOPARDY! College Championship. Keller fared well, walking away a few thousand dollars richer and having achieved his first 15 minutes of fame via national television. He also provided the University with free advertising, wearing his Vanderbilt sweatshirt proudly. "It was definitely one of the greatest experiences of my life," he reports. "I got a free trip to Seattle, met bright students from around the country, had a lot of fun and, of course, made some money." Keller won the first of his two games handily before being edged out in the semifinals by "a guy from Harvard." He blanked during the Final Jeopardy round on the name of U.S. House Majority Whip Tom DeLay. "I'm not into politics, so I had no idea on that one." His favorite question, though, was a breeze. An Iowa native, Keller quickly identified the University of Iowa's mascot as Herkey the Hawkey. Keller qualified for the show through a national audition, testing, and interview process last fall. Here he is shown with JEOPARDY! host Alex Trebek.

Vanderbilt Hillel Breaks Ground for New Jewish Center

■ Vanderbilt Hillel held a groundbreaking ceremony in April for the new Schulman Center for Jewish Life.

The 10,000-square-foot building is being constructed at the corner of Vanderbilt Place and 25th Avenue South, next to Branscomb Quadrangle and across the street from Memorial Gym. For many years, the site was home to the Zeta Beta Tau house, the historically Jewish fraternity.

Among guests on hand for the groundbreaking was Ben Schulman, BE'38, who contributed \$1 million to the new center named in his honor.

Vanderbilt Hillel, a program of the Jewish Federation of Nashville, has begun a campaign in partnership with the University to raise funds for the new center. The drive includes goals of \$2.2 million for construction and \$2.5 million in endowment to meet maintenance and programming needs. Approximately 4 percent of Vanderbilt's



Construction has begun on the new Schulman Center for Jewish Life.

undergraduates are Jewish.

"Being Jewish is central to who I am," explains junior Ilene Wolf, vice president of Vanderbilt Hillel. "The Schulman Center will provide our community not only with a much needed home, but also a place to explore what it means to be Jewish."

The new facility will feature a sanctuary adaptable for educational and social events, a dining area, student lounge, kosher kitchen, student work center, library/reading room, seminar and conference rooms, and space for a rabbi's study and executive offices. Completion is slated for August 2002.

Class of 2005 Boasts Highest Enrollment Yield, Other Records

■ The Class of 2005 is smaller than in year's past, which, according to University officials, is a healthy sign of a University able to be more selective in the admission process.

"This is, by far, the most competitive year in Vanderbilt's history," said William Shain, dean of undergraduate admissions.

This year, 1,557 freshmen enrolled in the University. According to the "10-Day Report" issued Sept. 11 by the University Registrar's Office, 86 fewer students enrolled than in 2000. The report details the University's official enrollment figures for the academic year.

Fewer freshmen are on campus this fall due to an 8.4 percent decrease in the rate of admissions, which translates to an all-time low admission rate of 46.4 percent. The decrease was enacted by the Admissions Office to hit the desired planned class size. The previous two entering classes exceeded the University's targeted size.

The past five years have seen the largest numbers of applicants in Vanderbilt's history, with this year's 9,738 applications breaking previous records. This number is a 9.4

percent increase over last year.

Even with the decrease in admissions, the all-important enrollment yield — the percentage of those applicants who were accepted and actually enrolled — soared to a record level of 34.4 percent, the highest since 1991. Last year's enrollment yield rate was 33.8 percent, according to the Office of Admissions.

"This is when admissions work is really exciting; Vanderbilt is clearly on a roll," said Shain. "It is a remarkable and appropriate compliment to the institution that our visibility and popularity are growing nationally."

The entering class is also topping the charts based on testing, academic performance and leadership qualities. The Class of 2005 boasts a number of top students: 123 class presidents, 172 first- or second-ranked students and 514 athletic team captains, as well as other appealing characteristics, according to a July 2001 enrollment profile.

The Class of 2005 has the largest number of minorities — regardless of citizenship — ever. The freshman class represents the largest number of African-American students (105)

and Hispanic students (68) in the University's history. This year, 288 of those enrolled classified themselves as minority. Ninety-two of the 1,557 entering freshmen did not specify race, according to University Registrar Gary Gibson.

The freshman class came from 46 states and the District of Columbia, with Tennessee as the top state followed by Texas, Georgia, Florida, Illinois and a tie between Ohio and Alabama. The class of 2005 represents 44 countries, according to the July 2001 enrollment profile.

The University as a whole boasts robust numbers. The total number of students enrolled in the University has increased from 10,194 in 2000 to 10,496 this year. Retention rates for each of the entering classes over the past three years are higher than the past. The retention rate for the class of 2004 is at a record 94.34 percent.



**Terrorist Attacks
Pull Vanderbilt Campus Together**

Like many communities across the country, Vanderbilt University reached out to its regional and global neighbors, while turning its focus inward to support students, faculty, and staff affected by the September 11 terrorist attacks in Washington, New York, and Pennsylvania. While the magnitude of the tragedy's impact on Vanderbilt remains uncertain, the images and words that follow offer some insight into the community's dedication to preserving its sense of morality and helping others to heal.



Students, faculty, and staff gathered at the Sarratt Student Center and Benton Chapel for discussions and memorial services, including a gathering with Chancellor Gordon Gee (above). Eleni Binioris joined nearly thirty students who took advantage of a bus chartered by the university to take them home to New York to be with family and return them to campus for classes (top photo).

PHOTOGRAPHY BY NEIL BRAKE



Following the tragic events of September 11, many alumni have contacted the University asking for information about alumni caught in the attacks. If you have an experience you'd be willing to share with your fellow alumni, please contact Vanderbilt Magazine's editor, Ken Schexnayder at (615) 322-3988 or ken.schexnayder@vanderbilt.edu.



In the days after the attacks, the Sarratt Student Center and the Student Recreation Center remained open 24 hours a day offering students counseling, toll-free long-distance service to reach family (photo at right), and a place to gather. Meals from a canceled conference at the Kennedy Center were delivered to feed those who waited hours for the chance to donate blood. Alumni Lawn became a place for gathering and memorials such as the "Moment of Silence" service, at which Navy ROTC student Andrea Alvord held the American flag (above). Prayer flags were hung from a tree outside Sarratt to honor victims of the attacks and offer thoughts and express feelings about the future (top photo).



Coach's Approach to Winning Serves Up Historic Title Run for Women's Tennis

■ This year, women's tennis coach Geoff Macdonald led a Vanderbilt athletic team further than any other coach in the school's 128-year history.

On May 21, his team competed for the national championship—a Vanderbilt first—against Stanford University, the New York Yankees of women's collegiate tennis. Vanderbilt lost the match, but the team returned to campus as heroes.

"I don't think the players understood how historic this was for our school, and that we were a part of something meaningful," Macdonald says.

His team advanced very far, very quickly. But this accomplishment is no isolated blip on the radar of athletic achievement; it's the result of years of hard work and the convergence of talent Macdonald and his staff successfully recruited to the University.

In his first job as head coach, Macdonald took the Southeastern Conference cellar-dwelling LSU Tigers to the NCAA championship as the No. 13 seed in only three short years. Later at Duke, he guided the Blue Devils to the Final Four. At each of his three head coaching positions, he was voted conference



Coach Geoff Macdonald offers a helping hand to freshman Kori Scott during Vanderbilt's near-championship season.

coach of the year, including at Vanderbilt in 2000. At Vanderbilt, his team has finished no lower than No. 15 nationally in each of the past five years and has ranked in the top three of the SEC in four of the past five years.

During his career, Macdonald has developed nine All-American players, including Julie Ditty, Vanderbilt's first. He also has nurtured future physicians, attorneys, and teachers who could hold their own on the tennis court in the competitive SEC.

"To recruit student-athletes who can thrive

in these classrooms and also compete at this level is very much a challenge," he says. "I simply won't sign a player if I don't think she understands the academics involved at Vanderbilt."

Macdonald's foray into tennis is by accident—literally. As a seventh-grader in Naples, Fla., he missed out on little league baseball tryouts when his mother was injured in a car accident. Instead of playing baseball that summer, he took the tennis lessons she had bought for herself.

"I hit the first two balls over the fence, but I totally fell in love with the difficulty of it. I was drawn to the fact that in tennis, no one can sub for you."

That's the approach he takes in training his student-athletes.

"My whole attitude on coaching is one of 'This is really hard, yet you can do it.' Not, 'Hey, how could you miss that? That was so easy.' One of the biggest things we work on is respecting every shot and not falling prey to overlooking the so-called easy shots.

"Winning takes moment-to-moment focus," he adds. "When [junior] Kate Burson beat an All-American, she wasn't thinking of winning. She was thinking of playing each point and putting the points together in the right way."

captain by your teammates," he says. "I want the team to think hard about who their captains should be. We expect more leadership from our captains, so this election will be important to our success."

Widenhofer also created the Commodore Chain Gang. "Every single player has a role and every player is a link," he explains. "Like a chain, we're only going to be as strong as our weakest link. To remind us of this, we're going to issue chain links to players doing things the right way as a constant reminder of our chain gang."

Women Advance to Elite Eight Round of NCAA Tournament

■ The women's basketball team reached the Elite Eight round of the NCAA tournament in March, losing to eventual national champion Notre Dame, 72-64. The Commodores finished the season with a 24-10 record and placed second in the SEC tournament, including a win over Tennessee.

Several Vanderbilt players earned national honors. Sophomore center Chantelle Anderson was named to the NCAA All-Tournament team, Associated Press All-SEC first team, Coaches All-SEC first team, SEC Tournament Most Valuable Player, and Women's Basketball Journal All-American. Junior forward Zuzi Klimesova was named to the NCAA All-Tournament team, Coaches All-SEC second team, Associated Press All-SEC second team, SEC Academic Honor Roll, CoSIDA/Verizon District IV All-Academic Team, and All-Academic third team. Sophomore guard Ashley McElhiney was named to the SEC All-Tournament team.

Other honorees included SEC Academic Honor Roll members Jillian Danker, Jackie Munch, and Candice Storey.



The women's basketball team celebrates with Coach Jim Foster after beating Colorado 65-59 to win the NCAA Midwest Regional Tournament on the road to the Elite Eight.

Sidelines

● Vanderbilt has assumed ownership of the Legends Club of Tennessee in Franklin. The 36-hole golf course will provide a home course for the Vanderbilt men's and women's golf teams. The transaction was completed using private funds from an anonymous donor.

● May graduate and soccer defender Laurie Black, BS'01, was selected by the Atlanta Heat in the fourth round of the

Whitt Edges Toward Goal

■ Lauren Whitt is steadily getting closer to her goal. A goalkeeper with the women's soccer team, she spent the past two soccer seasons recovering from separate ACL injuries and should start the fall season in the award-winning form of her freshman year.

Whitt began her soccer career in her hometown of Birmingham at age five. She got goal fever one rainy day five years later during a muddy game that ended in a shootout. "Nobody wanted to play goalie," she recalls. "I didn't mind playing there. We made a save or two, won the shootout, and I fell in love with the position. I've been a goalie ever since."

In her freshman year at Vanderbilt, Whitt earned NSCAA Third-Team All-Central Region honors and was named to *Soccer Buzz* magazine's Freshman All-American team (honorable mention) and to the All-Central Region freshman team. She also played for the under-19 U.S.



Lauren Whitt

Youth Soccer Select team and earned the most valuable goalkeeper award. As a starter in the first game of her sophomore season against Alabama, she suffered her first ACL injury. Her second ACL

injury occurred the following June. "Training is going great," she says of her rehabilitation. "My knee is stronger than it was before."

Whitt is an academic junior with two remaining years of soccer eligibility. She hopes to play professionally, and eventually plans to work in sports management and promotions. But first, she wants to play again for the U.S. national soccer team with an eye on the Olympics.

New Memorial Gym Exhibits Celebrate the Past

■ Historical exhibits celebrating the people and traditions that have shaped Vanderbilt basketball will be unveiled as part of the \$24 million renovation to Memorial Gym.

"We have tremendous tradition with our basketball programs," says Todd Turner, athletics director, "and we want people to know we are proud of it. We want to bring our legends back to life with a display that will be both enlightening and entertaining."

The gym renovation will be complete by fall. New features include a practice gym, coaches' offices, and an enlarged eastside entrance and corridors featuring exhibit sites. While Vanderbilt has many archival materials, the University is putting out a call to fans who

may have significant memorabilia.

"Over the years, fans collect rare items," says Rod Williamson, associate athletic director. "Someone may have the game jersey of an All-American or an old radio recording, someone else might have a one-of-a-kind photograph or a rare game program. Experts tell us that as our display gains momentum, people will surprise us with neat things they would like to share."

Williamson asks that fans who have a relic from either the men's or women's program contact him by phone at 615/322-4051, by e-mail at rod.williamson@vanderbilt.edu, or by mail at P.O. Box 120158, Nashville, Tenn., 37212.

Leadership Program Aimed at Improving Football Team

■ A critique of Vanderbilt's 3-8 football record for the 2000 season led Coach Woody Widenhofer to establish a leadership program aimed at improving team performance, discipline, and camaraderie.

A leadership committee of players representing each class serves as a liaison between the team and coaching staff. The group gathers weekly for a leadership seminar.

"Vanderbilt students can attend classes in leadership development," Widenhofer observes. "And many companies send their staff members to seminars. Yet in the world of sports, there

is often an attitude of 'you are or aren't a leader.'

"I've always thought true leaders were born," he admits, "but I also think a lot of people have varying levels of leadership qualities that can be developed. Even great leaders must hone their skills. As coaches, the most important thing we can do is help our players become better leaders."

Because of the program, Widenhofer delayed the annual election of team captains. "The greatest honor you can receive as a Vanderbilt football player is to be elected



Yellow Leaves

by Wayne Christeson, B.A. '70

Toward the end of the Vanderbilt/South Carolina football game last week, with the Gamecocks firmly in control, the stands began to empty and the sparse crowd began to thin. Most of the people who remained seemed loyal to the point of unconsciousness. As I gazed across the field toward the alumni section, in the growing gloom of the overcast afternoon, the expanse of dull gray metal began to grow as the vanishing spectators left the stands and entered the dark tunnels into their lives outside. All that remained after a while were isolated gatherings of indistinct people dressed in the paling yellow of their Vanderbilt shirts and jackets. These people would hang on until it was time, too, for them to go.



I have wondered about these people, now that I am one of them. I have watched them over the years entering the stadium in their yellow garb, but I have never detected much open excitement in their voices. They speak quietly and politely with each other as would befit attendance at a solemn or serious occasion. I have seen aging, wiry men who still carry themselves as men who might have been athletes fifty years ago, when they were young and bright of eye and Vanderbilt was a winner. And I have seen very old people staring raptly ahead toward the stadium, being helped along by younger friends or family members who know how much this means to them. They are a touching group.

What distinguishes them is an ageless suffusion of light in their eyes. They seem pilgrims who care nothing about the cost or the pain of their journey. They are not here because they expect Vanderbilt to win, but because they believe perhaps a miracle will happen—something beyond expectation, but not beyond their tireless imaginations; something unseen by anyone before; something these people want to be present to witness.

They have seen it before, in glimpses—in '69 against Alabama and in '82 against Tennessee—and in the minds of these pilgrims those wins might have been just last week, so vivid and immediate are their memories. Even so, the wait for something larger and more permanent at Dudley Field has been long. Maintaining faith has been hard.

There is something magical about Vanderbilt football. How can a team compile a losing record every year for 18 straight years? Robert Service might call it a *spread misere*, in the desperate hands of Dangerous Dan McGrew. Yeats might suggest that some portent of the millennium was slouching toward Dudley Field, as yet unborn and unsuspected: could an entire generation of losing augur a shift within the planetary arcs of the SEC—a split at the center of the gyre? The prospect is compelling because of the price which has been paid. And so we wait, in quietly wild surmise.

The students do not feel this power yet. They have not experienced the slow tread of insistent failure, year after year, from one decade to the next. Maybe they think there's plenty of time left to begin winning—but there isn't. Maybe they think it doesn't matter—but it does. Maybe they think they can remain indifferent—but they can't. They will become like the rest of us in time.

My undergraduate indifference was formed early when I began taking my books to the games to study—really! There was always

plenty of room, and the atmosphere was usually peaceful. The sight of the Parthenon over my right shoulder inspired my study, and in a reassuring way it put everything on the field into its ephemeral perspective.

I have tried to maintain that perspective through the years, but I can't; for I love Vanderbilt, and I love those boys who run out week after week to collide with a fate that only young men could presume to change. The rest of us know that we will not change Vanderbilt, and we glance askance at each other as the final quarter wanes, wondering at the power which defeats us but keeps us clinging to our seats. "That which we are, we are," Tennyson said, but at some visceral level we also know that somehow, obdurately, intractably, and probably foolishly, we are truly "one equal temper of heroic hearts" and lifelong fans of Vanderbilt.

As I watched the yellow-clad spectators hanging on in small clusters against the growing gray of autumn and the emptying stands, I thought of Shakespeare's Sonnet 73:

*That time of year thou mayst in me behold
When yellow leaves, or none, or few, do hang
Upon those boughs which shake against the cold,
Bare ruined choirs, where late the sweet birds sang ...*

and I caught fire at the beauty of these people and their lives. You see them every fall at Vanderbilt: they are the natural cycling of our seasons.

October 25, 2000



Wayne Christeson took a B.A. in Philosophy from Vanderbilt in 1970, with honors. He is a retired attorney and lives with his wife Anne on a farm in Leiper's Fork, Tennessee, where they raise horses. Anne Christeson graduated as Founder's Medalist from Vanderbilt in 1971 and currently teaches Latin at Montgomery Bell Academy in Nashville.

Invasion of the Brain Scientists

by Gaynelle Doll

As species go, Homo sapiens were not the most promising creatures ever to come down the evolutionary pike. We lacked the cheetah's speed, the boar's compact strength, the owl's acute sense of hearing.

When the going got tough, Homo sapiens could not fly down to Rio for the winter or burrow into the mud and dream of better days. Human reproduction, moreover, was slow and inefficient. When a healthy infant did arrive on the scene, it took years to reach self-sufficiency—months just to support its own impossibly large head.

Ah, but that head.

It housed our secret weapon—a huge brain with the capacity for language and logic, poetry and physics. Without it, we would surely have followed the 98 percent of species on earth that have gone the way of the dinosaur and the dodo bird.

Our brain has been our ticket to survival, but as much as we have become masters of our world, fathoming how the earth was born and how stars die, we still know amazingly little of the three-pound organ that makes everything else possible.

“We have a good understanding of the kidneys and liver, of heart organization, and as a result we have good methods of treatment and repair for those organs,” says Jon Kaas, Centennial Professor of Psychology, whose research has revolutionized thinking about brain circuitry (see opposite page). “But the brain is so much more complicated that our understanding of it is now at perhaps the level that Aristotle had of the heart.”


“We still don't understand why we get Alzheimer's or schizophrenia or psychotic depression,” says Elaine Sanders-Bush, professor of pharmacology, professor of psychiatry, investigator and senior fellow at the John F. Kennedy Center, and director of the Vanderbilt Brain Institute.

All of that is rapidly changing. “The explosion in technology has given us unprecedented opportunities to understand how the human brain works,” Kaas says. “Molecular neuroscience is giving us tools to understand organization of brain systems. Functional magnetic resonance imaging, miniaturization of recording efforts, and computer technology are allowing us to make tremendous progress.

“Sixty percent of our genes are expressed only in the brain, which means the greatest amount of new knowledge will be related to the brain,” says Lee Limbird, associate vice chancellor for health affairs for research and professor of pharmacology at Vanderbilt University Medical Center.

“At least two-thirds of the money granted by the National Institutes of Health relates to brain research,” adds Limbird, who led a group of Vanderbilt planners that first proposed formation of a brain institute.

Mental disorders, according to the U.S. Surgeon General's Report on Mental Health issued in 1999, collectively account for more of the overall burden of disease than do all forms of cancer. In the next 10 years, Vanderbilt will invest \$250 million to be at the leading edge of neuroscience research and clinical care. “By un-



Jon Kaas, Centennial Professor of Psychology, professor of cell biology, and Kennedy Center investigator, has studied the brain for some 35 years, most of them at Vanderbilt. Kaas and his colleagues have found that when large parts of sensory systems are deprived of their normal input, they can grow new connections to restore activity—even in mature brains. Kaas's insights have revolutionized thinking about brain plasticity and helped lead the way for his induction last year into the National Academy of Sciences, one of the highest honors bestowed on an American scientist. Not one to rest on his laurels, Kaas says, “Plasticity is only part of what interests me. I'm also interested in trying to determine normal brain organization. We don't know enough about brain systems, how they're organized, and how they function.”

VANDERBILT NEUROSCIENTISTS COLLABORATE TO SOLVE THE MYSTERIES OF THE MIND



JEFF FRAZIER

derstanding the brain better, we'll be able to cure or treat stress-related disease like hypertension and cardiovascular problems," says Sohee Park, associate professor of psychology in the College of Arts and Science.

Concepts such as awareness, intention, desire, and emotion that were once the exclusive domain of philosophers and psychologists are now the focus of experiments in brain science at Vanderbilt, which enjoys a long and distinguished history in neuroscience.

"During the next decade we anticipate major changes in the ways people are treated for learning disabilities," says Kaas. "We will have access to a host of new behavioral methods, including computer-driven programs that will be incorporated with neuropharmacological treatments. The amount of new information is so vast that just keeping up with new procedures and new information is a huge challenge. That's why collaboration is essential. None of us can be an expert in everything, but we can share our knowledge."

Which is precisely the aim of the Vanderbilt Brain Institute. Formed two years ago, the Vanderbilt Brain Institute is a means of promoting discovery efforts of neuroscientists, training of undergraduate, graduate, medical, and post-doctoral students, and coordination of public education and outreach in brain sciences. It brings together researchers working in such diverse areas as nerve communication, learning and memory, behavioral and cognitive science, neurogenetics (genetic basis of nerve tissues), neural development, sensory sciences, bioengineering, and clinical neuroscience related to neurological and mental disorders.

"Vanderbilt needed some kind of organizing structure for neuroscience because we're spread out in so many parts of the University," Sanders-Bush explains. "The Vanderbilt Brain Institute is a virtual structure for representing neuroscience to the outside world and getting national recognition for our strengths in individual areas. If someone is interested in developmental disabilities,

Ever wondered how a fruit fly acts under the influence of hallucinogenic drugs? Elaine Sanders-Bush, professor of pharmacology and director of the Vanderbilt Brain Institute, has. Sanders-Bush has spent years studying serotonin and serotonin receptors in the action of hallucinogenic drugs. "Serotonin is an ancient neurotransmitter that's been carried down through evolution. It has been linked to so many different brain functions and behaviors that it's astounding," she says. "Hallucinogenic drugs are fascinating because they produce in humans altered perception. We're working to understand how we humans conceive of ourselves and who we are." Sanders-Bush also directs the three-year-old neuroscience Ph.D. program. Shown here in her lab, she oversees the work of graduate students such as Efrain Garcia, a 2nd-year pharmacology student.

for example, we can put them in contact with the right person at the Kennedy Center."

"It's rare for a university to have such breadth of expertise on one campus," says Limbird. "Vanderbilt offers students training ranging from the very basic molecular level to the study of human behavior."

Researchers in the College of Arts and Science, Peabody College, the School of Medicine, School of Engineering, and the Kennedy Center are working together to understand how brain cells, circuits, and systems change during development, through learning, and in response to injury or illness.

"Neuroscience is by nature interdisciplinary," observes Jeffrey Schall, professor of psychology and director of the Vanderbilt Vision

Research Center and the new Center for Integrative and Cognitive Neuroscience. "When I was recruited to Vanderbilt, Jon Kaas invited me to his house and said, 'We want the kind of colleagues who make us look forward to going to work.' The investigators on this campus like each other, which is a rare thing."

Schall directs the Vanderbilt Vision Research Center, which draws on expertise in low vision rehabilitation at Peabody, sophisticated vision testing and functional brain imaging in Arts and Science, computational procedures and devices developed in the School of Engineering, and clinical populations available through the School of Medicine. Schall also directs the Center for Cognitive and Integrative Neuroscience (CICN), formed

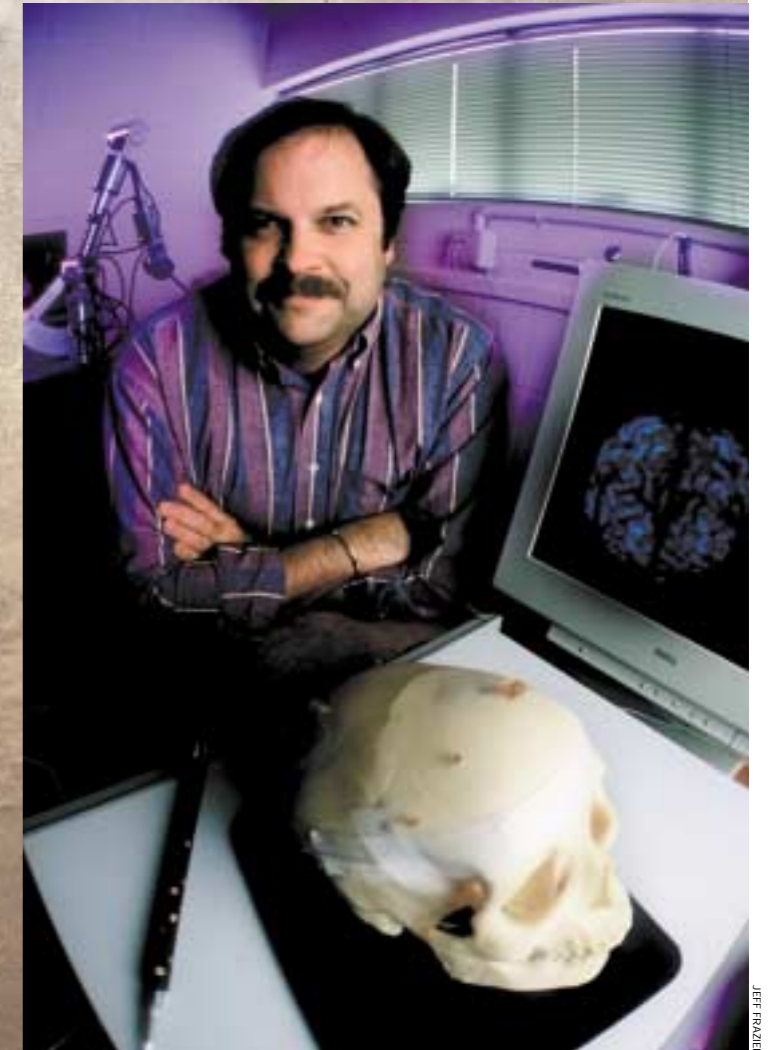
last year to increase the impact and visibility of neuroscience and related behavioral sciences at Vanderbilt. In this capacity he has been instrumental in helping recruit a number of new faculty to Vanderbilt, including David Noelle, who joins the department of electrical engineering and computer science in the School of Engineering and Susan Hespos, who joins the department of psychology and human development at Peabody this fall; and Gordon Logan, Centennial Professor of Psychology, who came to Vanderbilt last year.

Logan's studies of automaticity (acting spontaneously or unconsciously), impulsivity (acting uncontrollably), and how we control our actions are particularly important in understanding schizophrenia and attention

Bridging the gap between engineering and medicine, Bob Galloway has developed techniques that help surgeons navigate the intricate terrain of the brain. Galloway, professor of biomedical engineering and neurosurgery, and director of the Center for Technology-Guided Therapy, has pioneered development of image-guided software and instruments that facilitate tracking of a surgeon's position during operations.

The Vanderbilt team of surgeons, radiologists, biomedical engineers, electrical engineers, computer scientists, and radiation oncologists with whom Galloway works is a unique assemblage. "Only one or two other places in the world can approximate what we have here," he says.

Variations on Galloway's image-guided technology, which provides for three-dimensional mapping of the area targeted for surgery, are also used for spinal and liver surgery at Vanderbilt. Plans are under way to apply the technology to cochlear implants. Galloway also expects a version of his software to be commercially available in the near future.



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deficit and hyperactivity disorder (ADHD), and he works in close collaboration with researchers at Vanderbilt's John F. Kennedy Center.

"We're all working on pieces of the same puzzle," Logan says. "There's a sense of synergy that comes from the fact that we're all working toward a common purpose, and that really important work is going to be done at Vanderbilt in the next ten years. I think about some of my work differently than I did a year ago as a result of being exposed to other researchers here."

Researchers like Logan and Park, who also joined the Vanderbilt faculty last year, were lured here not only by opportunities to collaborate with other first-rate researchers, but also by the presence of a young, flourishing neuroscience undergraduate major and a fast-growing Ph.D. program.

Now only four years old, Vanderbilt's undergraduate neuroscience major is attracting more students each year. More than 100 undergraduates are now majoring in neuroscience.

The decision to offer a neuroscience major grew out of student demand spawned by the

leadership and enthusiastic teaching of Leslie Smith in the Department of Psychology. So many interested students were, in effect, creating their own neuroscience major by choosing the independent study course and then taking every psychology and neuroscience course they could get their hands on that administration responded by approving a neuroscience major.

Neuroscience majors have chosen a great time and place to study the brain. The new dean of the College of Arts and Science, Richard McCarty, is a respected authority in the closely aligned field of psychology. Powerful new ways of monitoring brain activity in humans as well as completion of mapping the human genome have accelerated the rate at which new knowledge of the brain is unfolding. Researchers are uncovering essential clues to understanding disorders which have profoundly affected millions of lives and defied understanding—autism and Alzheimer's disease, schizophrenia and addiction.

"Students are drawn to the neuroscience major by outstanding instructors and an in-

trinsically interesting subject," says Terry Page, who directs the Neuroscience Studies Program. Page is professor of biological sciences, professor of biology and chair of the department.

"The program appeals to students because it's interdisciplinary. They can take advantage of courses and faculty in several different departments and schools at Vanderbilt."

One of the strongest components of the major is the chance to do research. "Nearly all neuroscience majors spend time doing research in faculty laboratories," says Page. "We have about 35 faculty engaged in all aspects of neuroscience who are part of our research program for undergraduates. They come from engineering, the medical school, Peabody, and Arts and Science—everything from the molecular level to human behavior."

Having the chance to see what it's like to be a research subject is also a valuable experience. "Being a subject in a psychology experiment is an important educational experience," says Logan, who taught a freshman psychology seminar last year. "Just describing how experiments work in the class-

room does not convey the kind of insight that students gain by being subjects themselves.

"Students often come into an introductory class with preconceived notions about psychology," Logan adds. "They think it will help them understand why their mother is like she is, or why someone cut them off in traffic. But academic psychology really isn't about individual people at all. It's about how the mind functions—how attention works, how choices are made, things like that."

One challenge for Kaas is getting students focused on normal brain organization. "We don't know enough about how brains are organized and how they function," he says. "Students like to rush on to the

next question because normal brain organization is not as exotic to talk about as some of the disorders, but our greatest lack of knowledge is in how brain systems are organized.

"Neuroscience is a very challenging major with a heavy load of requirements and a tremendous amount of work. It's not something a student would choose lightly," adds Kaas. "It is attracting bright, enthusiastic students who are thinking about careers in medicine or research."

Vanderbilt's transinstitutional graduate neuroscience program, just three years old, already has 27 Ph.D. students and offers both integrative and molecular tracks. "By this fall we expect to have 40 Ph.D. students. It's astounding," says Sanders-Bush. "Administration has viewed a strong graduate program as crucial to building the University's strength in neuroscience."

Many of those doctoral graduates will pursue academic careers, while others will enter



Vanderbilt's four-year-old undergraduate neuroscience major now boasts more than 100 students. Neuroscience courses are increasingly popular with students from other disciplines as well. Here, psychology major Amanda Vaughn, neuroscience major Jinnie Kim, and science communications major Robyn Brown put in lab time with Jeffrey Schall, professor of psychology and director of the Vanderbilt Vision Research Center and the new Center for Integrative and Cognitive Neuroscience.

THE Stroop EFFECT

One of the most widely cited attentional tasks in psychology had its origins during the 1930s at Peabody College, long recognized for its strengths in psychology and cognition. The concept is relatively simple and went largely unnoticed for decades.

Known as the Stroop effect, it was the work of doctoral student J. Ridley Stroop, who earned a B.S. in 1924, M.A. in 1924, and Ph.D. in 1933, all from Peabody. In 1935, Stroop published a paper in the *Journal of Experimental Psychology* which described experiments conducted a few years earlier at Peabody's Jesup Psychological Laboratory, demonstrating how easily the brain can become confused.

Here's how it works: Name the colors of these words as quickly as you can—not what the words say, but the colors themselves.

BLUE
GREEN
YELLOW

As you probably noted, the words themselves have a strong influence over your ability to say the color.

"The Stroop effect shows that when you have two dimensions of stimuli and you're paying attention to one, you can't ignore the other," says Gordon Logan, Centennial Professor of Psychology. "The reason the word intrudes over the color is that we process words automatically. We've all had so much practice reading words that we process them automatically, and even if we're trying to focus on the color, the word competes with the response."

The Stroop effect is used in dozens of other domains. Logan and his wife, Jane Zbrodoff, senior lecturer in psychology, have come up with a mathematical variation of the Stroop effect. "I might say, for example, are these problems true or false: Three plus four equals twelve? Or three times four equals seven? Those things are hard to reject because they would be true if you were doing another mathematical function," Logan explains.

J. Ridley Stroop himself apparently was never terribly impressed with what he had done, and soon turned to other interests. He was a faculty member and administrator at David Lipscomb College in Nashville for more than 40 years, teaching chemistry and the Bible.

"His Ph.D. thesis was one of the most famous ever done anywhere," says Logan, who has been lobbying for some kind of display at Peabody that would acknowledge Stroop's contribution. "A friend of mine who did a biography of Stroop [MacLeod,

C.M. (1991), *John Ridley Stroop: Creator of A Landmark Cognitive Task*, Canadian Psychology] told me the paper didn't get a lot of attention up until the 1960s, when people became interested in cognition and how reading worked. By that time Stroop was close to retirement, and he had written books on religion and God." In fact when an academic group contacted Stroop with the intention of doing a brief biography, he was unimpressed. "It was just something from his past that he didn't care about much," Logan says.

But these days Stroop's legacy looms large. "From November 1970 to November 2000, the Stroop effect has been cited more than 2,000 times," Logan says. "It's been replicated millions of times."

Not only does Logan know by heart the number of Stroop citations—when he joined the Vanderbilt faculty and moved to Nashville last year, Logan found out where Stroop had lived as a student and drove by the address. Since then Logan has even driven interested colleagues visiting Nashville past the unassuming house where Stroop once lived.

"It's white," Logan says with a wry smile.

—GayNelle Doll



JEFF FRAZIER

“We’re studying the most interesting thing of all—ourselves,” says Sohee Park, associate professor of psychology in the College of Arts and Science. An expert in schizophrenia, Park joined the Vanderbilt faculty last year for the chance to collaborate with neuroscientists, cognitive psychologists, and clinical psychiatrists. “By understanding the brain better, we’ll be able to cure or treat stress-related disease like hypertension and cardiovascular problems.”

Still, a few persistent clouds looming on the horizon worry people like Ford Ebner, professor of psychology, professor of cell biology, and investigator and senior fellow at the John F. Kennedy Center.

Ebner voices concerns shared by many of his colleagues. “More than a hundred kids are now majoring in neuroscience, which for Vanderbilt is a pretty big major,” he says. “At least a dozen kids every semester want to work in my lab. One of the problems we will have to face eventually is that we don’t have enough faculty dedicated to meeting the demand. Right now a rather large undergraduate major is riding on the voluntary contributions and good will of several departments.”

“Most of us are in academia because we love teaching and mentoring students,” says Sanders-Bush. “But because neuroscience is interdisciplinary, we’re having to double dip with many of our faculty who must commit to teaching and mentoring students in the neuroscience program as well as in their home departments.”

For faculty like Robert Galloway Jr., professor of biomedical engineering and neurologic surgery and director of the Center for Technology-Guided Therapy, the demands can be extraordinary. Galloway puts in an average of 75 hours a week on the job (see page 19), knowing full well the graduate students he teaches leave Vanderbilt making far more lucrative salaries, and that he could triple or quadruple his income by accepting one of the offers from private biotechnology firms that frequently come his way.

Instead, he stays at Vanderbilt for the chance to see his surgical innovations reach broader applications—and, he says, something else. “Every year they give me a new set of really bright students to play with, and that keeps me fired up. I wouldn’t be doing this if I weren’t passionate about it.”

While everyone agrees that interdepartmental collaboration is crucial to finding solutions to many of neuroscience’s toughest problems, the reality of working together across disciplinary lines is not always easy.

“Vanderbilt’s traditional insistence that each department be fiscally separate and responsible for its own activities breaks down when you try to cross barriers,” Ebner says. “It discourages investment in activity which brings power and glory to something that’s no longer part of you. Enthusiasm for an activity can get bogged down in the realities of fiscal responsibility.” Vanderbilt’s administration, Ebner adds, seems to recognize the problem and be increasingly willing to do find creative fiscal solutions that foster interdisciplinary work.

In addition to money, another crucial component of neuroscience research is patients. “We need to be able to capitalize on our existing strengths in the basic sciences by translating that into the clinical area, which has not been as well developed at Vanderbilt,” says Sanders-Bush. The new Children’s Hospital currently under construction will have a clinical research unit that includes developmental disabilities, providing a greater patient base. Vanderbilt Psychiatric Hospital

provides additional patients, but not as many as researchers would like.

If finding enough hours in the day is a challenge for most neuroscientists, it is doubly so for those who also maintain clinical practices. “I tell my students to think long and hard before they decide to become a clinician scientist,” says Vivian Casagrande, professor of cell biology, professor of psychology, professor of ophthalmology and visual sciences, and investigator and senior fellow at the Kennedy Center.

“It is nearly impossible to do both research and have a clinical practice and do them both well. You cannot do science when you’re constantly wearing a beeper and on the phone all the time. You have no time to go to the library and read the latest research, to reflect quietly.”

One faculty member who does manage

both benchside and bedside is Dr. Herbert Meltzer, Bixler/Johnson/Mays Chair in Psychiatry, professor of psychiatry, and professor of pharmacology. (For more on Meltzer’s work on schizophrenia, see page 30.)

“I try to span the whole spectrum. That has always been my way of research,” says Meltzer. “I’m involved in studies from the very basic level of what controls processes in the brain relating to memory and learning and hallucinations and delusions. But I’m also, at the other end, involved in studies about how we can help people with schizophrenia get jobs and lead productive lives. And at the intermediate level I’m looking at issues of physiology and neurochemistry of people with schizophrenia.”

Now at an age when many of his contemporaries are retiring, Meltzer came to Vanderbilt in 1996, attracted, he says, by

the chance to collaborate with people like Sanders-Bush and Robert Kessler, professor of radiology and radiological sciences and associate professor of psychiatry—“world experts in the work I do.”

That was before TennCare, Tennessee’s insurance system for low-income residents, added more restrictions on mental health services. The result has had profound ramifications for scientist clinicians like Meltzer.

“Care of the mentally ill in Tennessee has deteriorated in the five years I’ve been here, and it’s getting worse all the time. It’s impossible to treat patients when their insurance will only pay for them to be hospitalized for four or five days. You can’t get patients into a stable living situation in that time. But if the hospital took on the burden without insurance reimbursement, it would go bankrupt. So the mentally ill drift in and out of crack houses and face exploitation. Nashville is appalling in terms of its housing options for the mentally ill. But that’s what our society has said it’s willing to pay.”

The human toll aside, from a practical standpoint the small number of patients with schizophrenia that Vanderbilt can admit is not enough to meet research demands. “It’s an enormous struggle for me to find enough patients to participate in research studies, and I spend far too much of my time and energies trying to do so,” Meltzer adds.

That Meltzer still faces his work with enthusiasm and optimism says something about both the nature of his work, and the caliber of his colleagues.

“If it wasn’t exciting I’d be retired by now,” he concedes. “But we have an extraordinary opportunity at Vanderbilt, and I want to keep going. I want to be there when some of the next set of answers arrives. It’s going to happen in the next ten years—it won’t be quite like the dramatic effects of finding

For children with delays in learning communication and language, risk factors are often evident in infancy—yet intervention efforts rarely begin before age three and often not until later. Paul Yoder, research professor of special education and investigator and senior fellow at the John F. Kennedy Center for Research on Human Development, is working to develop methods of teaching pre-language skills to young children at risk for language delays. Here, Yoder uses play to assess the language skills of three-year-old Emily Heim, who takes part in the Kennedy Center’s TAG (Teaching Articulation and Grammar) program.



JEFF FRAZIER

a cure for polio, but we'll have huge advances over what we can do now."

Casagrande, who is only a few years younger than Meltzer, echoes his sentiments. "I would love to be around long enough to see some of these things we've worked so hard on come to fruition. It's sad to think that I can't go back and do more science—but I'm filling up my synapses. I'd need a whole new hard drive." Then she adds wistfully, "I wish I could return several more times, each time as a different type of scientist."

When the answers come, it will be in no small measure due to the dedication of researchers like these, who love their subject so much they can't get enough of it. Many are married to other researchers in related fields. Even their websites bubble with a geeky enthusiasm, complete with cartoons of laboratory rats on hallucinogenic drugs and tinny renditions of the *William Tell Overture*.

Park, juggling teaching and research with the responsibilities of a newborn son, enthusiastically agreed to be interviewed for

this article, inviting the interviewer to her home a few blocks from campus.

"Neuroscientists study the most interesting thing of all—ourselves," she says. "I look at my son and it's fascinating to think about how fast his brain is growing and changing."

Neuroscience, she says, is like the old American frontier—full of exciting discoveries. "People have gone to the moon, we have a space station—but we don't really understand ourselves. In this field, we are fortunate that our work is so captivating. I'd have to live another 150 years to do everything I'd like to do."

"I think back to where we were when I started my career in the 1960s and it seems like the dark ages," says Kaas. "Back then we had only a quiver with a couple of arrows. Now we have a whole arsenal of weapons that we can apply. But it's still not well appreciated how much we have yet to learn about the brain."

"People in neuroscience work hard because they're intrigued by their work," Kaas concludes. "If someone asked me what I'd

like to do for my birthday, I'd tell them I'd like to go to work all day without being interrupted. That would be my reward."

Where to Learn More

Vanderbilt Vision Research Center
http://vision-research.vanderbilt.edu

John F. Kennedy Center
www.vanderbilt.edu/kennedy

Vanderbilt Brain Institute
www.vanderbilt.edu/neuroscience

Center for Molecular Neuroscience
www.mc.vanderbilt.edu/vumc/centers/neuro

ON THE **Cutting** EDGE



New technologies have made procedures unheard of a few years ago almost routine and brought deeper understanding to perplexing conditions. Few medical interventions produce results

as remarkable and immediate as the cessation of essential tremors or as empowering as interrupting the brain signals that start epileptic seizures. New technology has made implantation of devices to control tremors and movement disorders faster, easier, and better for patients. Implanting electronic devices that offer such relief is the work of Dr. Peter Konrad, assistant professor of neurological surgery. "Across the country, medical centers are shifting the way Parkinson's is treated. We're leading the way," Konrad says.

Implants target a very small, specific area of the brain. With an implant into the thalamus, many patients' tremors from Parkinson's or other movement disorders—shakes that limit their lives and cause constant discomfort—are instantly settled. A device set on the vagus nerve, the primary link between major organs of the body and the brain, not only decreases the progression and severity of seizures, it gives patients the ability to abort a seizure when they feel one beginning.

Tremors result from faulty wiring, the brain's inability to regulate outflow of movement. Until recently, the standard of treatment has been lesioning suspected brain cells and rendering them completely ineffective. Lesions, in effect, destroyed cells, in the process wiping away evidence of the problem's sources. Now, Konrad uses a

Medtronic Tremor Control Therapy device to set electrical probes inside the thalamus, along a portion of the ventral intermediate nucleus, to stop tremors. "High-frequency stimulation overrides the abnormal signaling," Konrad explains.

Because the device can be turned on and off "we can tell if what we're doing really affects the person," Konrad says. "Before, we could only guess if there was really a problem" in the treated portion of the brain.

"Technologically, we're on the threshold of a lot of exciting advances," he adds. Computer-guided imaging gives surgeons real-time images of the device as it's being implanted in the brain, offering a constant view into the body with minimal invasiveness. "It allows for more accurate procedures with higher degrees of success," Konrad says. "Overnight stays (following the surgery) will be routine in the next year."

Neuroscience:
The Early Years



Cosmetically deformed craniums, 700B.C.–100A.D.

40,000 B.C. Prehistoric man creates holes in the skull presumably for religious rituals and treatment of medical conditions.

2500 B.C. Egyptian papyrus records the earliest reference to effects of brain damage.

400 B.C. Hippocrates regards the brain as the seat of intelligence.

800–1200 A.D. An Islamic school of brain surgery flourishes during the height of Islamic influence in the world.



Hieronymus Bosch, The Cure of Folly, 1475–1480

Middle Ages Barber-surgeons roam the European countryside, offering to remove the *Pierre de folie* or "stone of madness" which was said to exist inside the skulls of mentally deranged people.

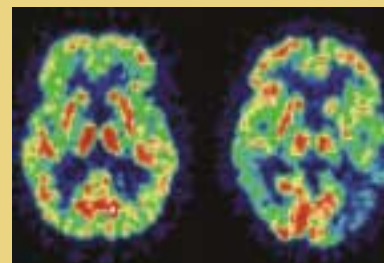
1649 Rene Descartes develops a theory that describes the mind as distinct from the brain.



Theodore Gericault, Old Woman Obsessed with Envy, 1822–1823

1791 Luigi Galvani discovers that nerves can be stimulated by metallic electricity, providing the first insight into how signals are transmitted in the nervous system.

1808 Franz Joseph Gall describes how different functions are located in different parts of the brain. This gets unnecessarily elaborated as phrenology.



1990 Seiji Ogawa and Tso-Ming Lee develop functional magnetic resonance imaging making it possible to monitor brain function in human subjects engaged in many activities.



1938 B.F. Skinner publishes *The Behavior of Organisms* that describes how behavior is shaped by rewards.

1962 F.O. Schmitt first uses the word "neuroscience" to describe a new interdisciplinary approach to understanding the mind and brain.



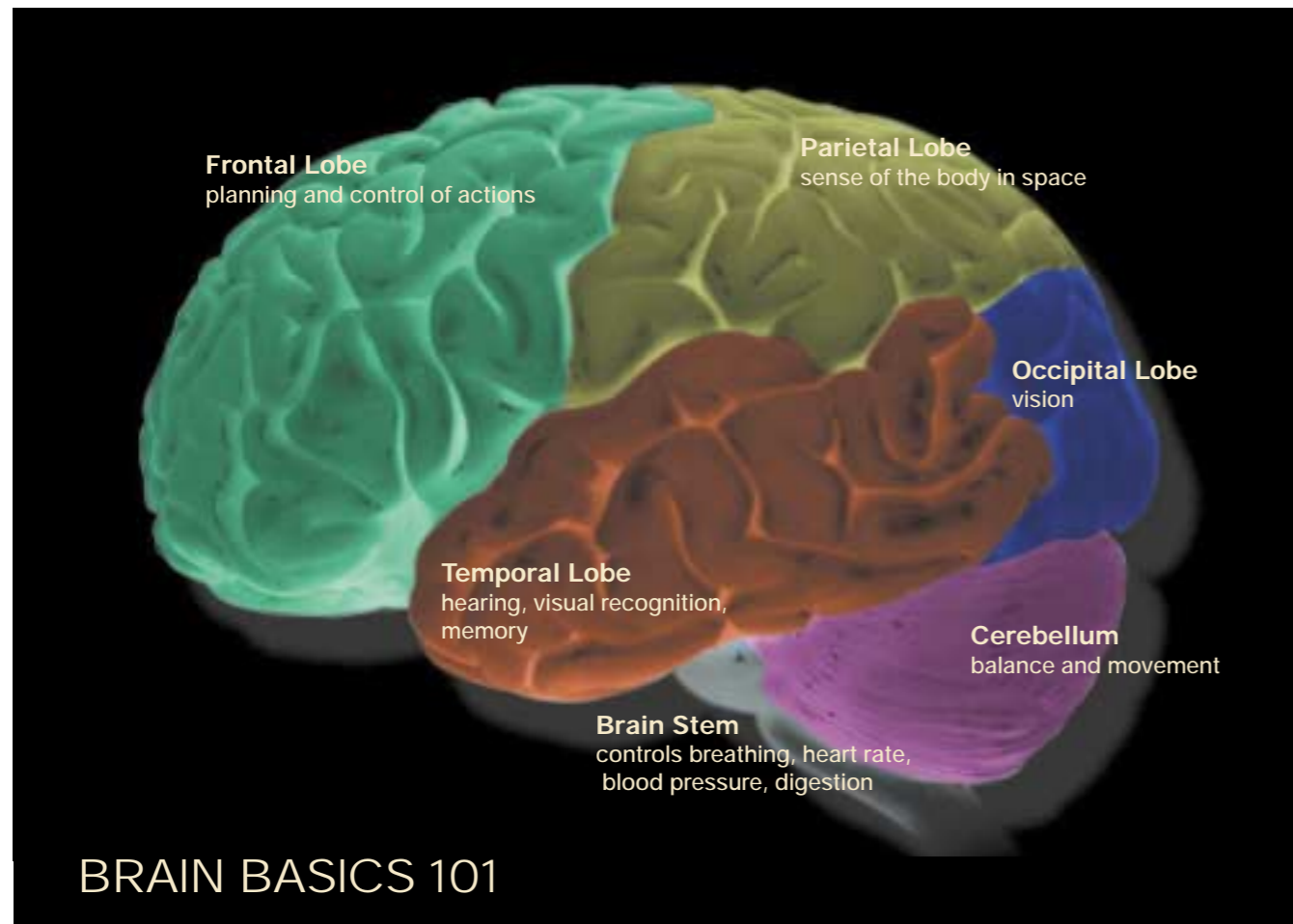
Salvador Dali, Suburbs of the Paranoiac-Critical Town, 1936

1852 Hermann von Helmholtz measures the speed of a nerve impulse transmission which leads to the use of reaction time to study mental processes.

1879 Wilhelm Wundt establishes the first experimental psychology laboratory and writes the first psychology textbook.

1929 Hans Berger demonstrates the first human electroencephalogram, a weak electrical signal recorded on the scalp but originating in the brain.

plasticity and YOUR BRAIN



Brain damage: The phrase is spoken with the same gravity as *terminal cancer* or *third-degree burns*—with good reason. Injuries inflicted on the brain by accidents, stroke, or disease have long been regarded as largely irreversible. Scientists agreed that once human—or animal—brains reached maturity, they were fixed.

Now, thanks to the research of Jon Kaas, we know that brain plasticity—the ability of circuits to adapt and reorganize in response to experience or sensory stimulation—may slow with maturity, but it continues to occur throughout life. Understanding how plasticity works is vital to developing new and better interventions to help overcome brain damage.

Kaas, Centennial Professor of Psychology, professor of cell biology, and Kennedy Center investigator, has studied the brain for some 35 years, most of them at Vanderbilt. His insights have revolutionized thinking about brain plasticity. Last year he was inducted into the National Academy of Sciences, one of the highest honors bestowed on an American scientist.

“Normally, mature brains have inhibitory factors that prevent much growth,” Kaas explains. Under ordinary circumstances, that is a good thing. “You wouldn’t want to form new connections in the mature brain because it would just cause ‘noise.’”

Kaas and his colleagues have found that when large parts of sensory systems are de-

prived of their normal input, they can grow new connections to restore activity—even in mature brains.

Scientists have known that following brain injury from stroke or accident, people are initially unable to perform some functions but show improvement over time. But the mechanism for this phenomenon wasn’t well understood.

“Now, we have seen that brain changes start rapidly—within minutes or hours—but some changes take six to eight months. That means that after injury, the brain is not stable for a very long time. So there is a very long time in which we can perhaps influence the outcome.”

Kaas says a whole range of mechanisms are at work following brain injury, including the growth of new connections over considerable distances in the brain. “We think plasticity accounts for great recoveries even after massive strokes that have left the victim unbelievably impaired,” he says. But there may also be highly undesirable effects of plasticity—phantom pain in parts of the body that have been amputated, or tinnitus (ringing in the ear) after damage to the auditory system.

“We have two goals: Understanding how to make the brain repair itself and work better when it is damaged, and preventing unfortunate outcomes” such as phantom pain or tinnitus.

Throughout most of our lives, Kaas thinks, our brains continue to remodel themselves in subtle ways. In the early stages of Alzheimer’s disease, for example, circuits work to repair themselves. “Finally the system is so deteriorated that it has exhausted all possibilities, and that’s when we start to see the symptoms. But systems can lose 80 percent of their neurons before that happens.”

That knowledge holds great promise for the treatment of Alzheimer’s disease, Kaas believes. “If we can prevent the progression, I think we could reverse symptoms to a considerable extent.” Specifically, treatment might involve training individuals to keep their brains active.

One condition in which the brain’s ability to adapt seems to be limited is prenatal exposure to alcohol. Ford Ebner, professor of psychology, professor of cell biology, and investigator and senior fellow at the John F. Kennedy Center, is probing how prenatal exposure to alcohol inhibits learning. “If adults go on a drinking binge, we would come out of it with no detectable difference in our intellectual abilities,” he says. “Alcohol’s effects on the adult brain are reversible for a very long period of time.”

In the developing brain of an unborn child, however, the effects can be devastating. “Typically the fetus is only exposed to alcohol until birth, and then unless the mother drinks heavily while nursing the child, there is no further exposure to alcohol. So the puzzling part is that deficiencies caused by prenatal alcohol exposure don’t seem to self-correct.” Just why alcohol at an early age is so dev-

...when large parts of sensory systems are deprived of their normal input, they can grow new connections to restore activity—even in mature brains... after injury, the brain is not stable for a very long time. So there is a very long time in which we can perhaps influence the outcome.

astating is still subject to debate, but Ebner thinks sensory deprivation plays a role. “We know that alcohol regulates some individual molecules that are important for learning and memory. The brain at the time of birth, after a period of alcohol exposure, is in a state where formation of new synapses can’t take advantage of sensory experiences.”

Ebner’s research with rats has shown that early sensory deprivation has negative effects. Nocturnal creatures, rats derive much

of their sensory information from their whiskers. When researchers trim the whiskers off one side in young rats, says Ebner, “the animals are okay and there’s little damage to the nervous system—but they don’t get much information from those whiskers. Just that simple manipulation, once the rats have grown up, leaves their cortex unable to modify the synapses in order for learning to occur at a normal rate.”

Early intervention may be crucial in improving the outlook for developing brains that have experienced sensory deprivation. Ebner and his colleagues have discovered that when rats are exposed to alcohol throughout gestation, the whisker neurons adapt to change slowly. He believes that the slowed rate of plasticity—the ability of circuits to adapt and reorganize in response to experience or sensory stimulation—could explain the mental retardation that accompanies fetal alcohol syndrome.

Increasing brain activity by raising prenatal alcohol-exposed rats in an enriched environment, with plenty of stimulating toys, restores about half of the brain’s plasticity. Now, Vanderbilt researchers are looking for a way to restore the rest of the function to fetal alcohol-exposed neurons. Prenatal alcohol-exposed rats, they have discovered, have reduced levels of the NMDA receptor, a protein that is important to nerve cell communication. A drug now being tested appears to increase NMDA receptor activity and help rats learn faster.

“If the results are positive, they could be translatable to humans,” says Ebner.

—GayNelle Doll

treating **AUTISM**

autism's profile

Characterized by: Difficulty forming social relationships, impaired understanding and use of language, restricted patterns of activities and interests, and a need for sameness. Children with autism may exhibit repetitive body movements and may be overly sensitive to sights, noises, touches, smells, and tastes.

Affects: As many as one in 500 individuals. Autism is four times more prevalent in boys, but girls with autism are affected more severely.

Manifests itself: Typically by age three.

Possible causes: Autism's cause is unknown. Cerebellums of many children with autism have decreased size, often up to 30 percent smaller. About 70 to 80 percent of children with autism have mental retardation as well. Genetic factors may be involved.

Treatment: Children who receive specialized early intervention can make considerable gains in their cognitive, social, and behavioral functioning. TRIAD (Treatment for Research Institute for Autism Spectrum Disorders) at Vanderbilt offers programs in behavior management and social skills, parent training, family consultations, teacher training, and more.

Imagine having a seemingly perfect infant. Then slowly, unusual behavior and delays in development begin to surface.

Welcome to the topsy-turvy world of autism, a common, yet complex developmental disability.

"Twenty years ago, autism was pretty much thought to be hopeless," says Stephen Camarata, acting director of the Kennedy Center and associate professor of hearing and speech sciences. "Now we are seeing big advances in earlier diagnosis and treatment. Children who are truly autistic have improvement in function, as well as the ability to go to school and to function in larger settings."

Vanderbilt physicians and researchers are working on a variety of studies to find the cause of autism and are developing new tests that will allow earlier diagnosis.

Camarata, who works with autistic children, is clinical investigator of a National Institutes of Health program project grant and the director of the Scottish Rite Child Language Disorders Center at Vanderbilt. More than 100 children with autism or autism spectrum disorder are evaluated through the center.

"There has been a reported increase in the incidence of autism," Camarata says. "But it's hard to know if it's a real increase or a change in identification characteristics."

Raising children with autism is challenging. About 70 to 80 percent of children with autism also have mental retardation.

Camarata says that three overlapping domains characterize autism: delayed or absent language, impaired social interaction, and rigidity that includes repetitive behavior and inflexibility. "One child might be more affected by language issues while another has more problems with repetitive behavior or social adaptation," he adds.

"People with autism have deficits in

emotions and social reciprocity. They may exhibit fear in peer relationships. They have difficulty interacting and establishing eye contact or using and reading facial expressions and gestures that facilitate socialization."

In many cases, therapists find that if they can help children with autism gain communication skills at an early age, the odd or inappropriate behavior people associate with autism may be circumvented.

The Vanderbilt Bill Wilkerson Center for Otolaryngology and Communication Sciences serves approximately 85 children on a weekly basis through its Autism Spectrum Disorders Program. It offers communication intervention and training, parent and professional education, and advocacy in the community and school systems.

The Wilkerson Center's communication-based intervention program is the only program of its kind for preschoolers with autism in the Middle Tennessee area. Speech pathologists help the children improve language skills, and occupational therapists



work to help desensitize children to stimuli that might overwhelm them.

Approximately 60 percent of children who enter the Wilkerson program as non-verbal are classified as verbal two years later, and the remaining 40 percent have

developed other ways of communicating, including sign language and pictures. Many have been successfully mainstreamed.

Research has shown that parents begin to become concerned about their children at the average age of 17 months. The first concern is usually lack of language development. But children often don't receive a definitive diagnosis of autism until preschool or early elementary school.

Associate Professor of Pediatrics Wendy Stone and her colleagues hope their work will help make early detection of autism easier. In 1999, armed with a four-year grant from the Department of Education's Office of Special Education Research, they began studying a test she and colleagues at Vanderbilt developed—STAT (Screening Tool for Autism in Two-year-olds).

"We want to be able to identify children with developmental delays and language delays who also have autism, from those who may just have developmental or language delays," says Stone.

screening tool. The children are screened, then followed for two years. At age four, a definitive diagnosis will be made by a trained clinician who has not seen the child before.

"Children lose valuable intervention time if autism is not detected early," Stone says. "The brain appears to be more plastic at early ages."

Isabel Gauthier, assistant professor of psychology, is studying the theory that children with autism have trouble recognizing faces. Her work, done in collaboration with colleagues at Yale University, shows that young adults with autism do not rely on the face-area recognition system to discriminate between faces as much as their peers. Instead, they tend to rely on another part of the brain associated with identification of objects. Her work may provide new ideas for the treatment of autism and similar conditions.

"Autism is one of the more strongly genetic complex trait disorders," says Jonathan Haines, professor of molecular physiology and biophysics and director of the Program in Human Genetics and of the Kennedy

chromosome 7. Using genome databases developed by the National Institutes of Health and the company Celera Genomics, they are identifying genes in the region and testing them for mutations in patients with autism.

James S. Sutcliffe, assistant professor of molecular physiology and biophysics and Kennedy Center investigator, is pursuing the link to chromosome 15. Some of the symptoms of autism mirror those described for Prader-Willi syndrome, a complex disorder of cognitive disabilities, overeating, and obesity involving chromosome 15 gene deletions.

"We think that multiple genes may align in some way so that combined, they produce an overall level of susceptibility and risk for the disease. Genetic studies are looking at how they may align."

"Identifying genetic defects in autism will give us tools to understand the biology and thereby to help better treat, or possibly even prevent, the disorder," says Haines.

—Nancy Humphrey and Leigh MacMillan

Though they look like something out of a Star Wars sequel, these Greebles were devised as a research tool. Greebles are helping scientists like Isabel Gauthier, assistant professor of psychology at Vanderbilt, learn more about how humans distinguish between faces. For most of us, recognizing the face of a friend in a crowd is relatively easy. We use a small region at the bottom of the brain called the fusiform face area (FFA). In studies with colleagues at Yale, Gauthier has observed research subjects' brains as they try to distinguish between up to 60 Greebles divided by gender and family groups. Persons with autism frequently experience great difficulty in recognizing and distinguishing between faces. Gauthier's research could provide ideas for improved methods of treating autism.

Center's Program of Genetics, Brain, and Behavioral Development.

Although no specific genes have yet been linked to autism, estimates of the number of genes that may contribute range from three to 20. Haines and colleagues are focusing on

managing SCHIZOPHRENIA

A COLLABORATIVE EFFORT



Vincent van Gogh, Self-Portrait Dedicated to Paul Gauguin, 1888

schizophrenia's profile

Characterized by: Hallucinations, delusions, disturbed thought processes, disturbed emotional responses, motor symptoms. To date, no single confirming marker for schizophrenia has been identified, making positive diagnosis difficult.

Affects: 1 to 2 percent of the population worldwide. Much higher rates are found in small pockets of northern Finland, Western Ireland, and Palau in Micronesia.

Manifests itself: In late adolescence or early adulthood. Males tend to have earlier onset and more treatment-resistant problems; psychosis in females may increase after menopause, leading researchers to believe estrogen may afford some protection.

Possible causes: Schizophrenia has been solidly linked as a genetic disease. Relatives of schizophrenia patients face a tenfold risk of developing the disorder. Complications in the second trimester of expectant mothers seem to place offspring at increased risk for developing schizophrenia.

Treatment: New antipsychotic drugs such as clozapine alleviate both cognitive impairment and hallucinations.

"Great wits are sure to madness near allied," wrote poet John Dryden in 1681, "And thin partitions do their bounds divide." Dryden was neither the first nor the last to observe the link between creative genius and mental instability—particularly the hallucinations, paranoia, and disturbed emotional responses that characterize what we now call schizophrenia. "The list of poets, artists, political leaders, and other creative people who have suffered from psychoses like schizophrenia and manic depression is staggering," says Sohee Park, who joined the College of Arts and Science faculty last year as associate professor of psychology.

The prospect of having one's creative genius immortalized may provide a measure of compensation for the Vincent Van Goghs, Sylvia Plaths, and Edgar Allen Poes of the world—but for the average person living with mental illness in the here and now, simple tasks like brushing your teeth can represent a monumental struggle, says Park.

"Traditional antipsychotic drugs can alleviate the more florid psychotic symptoms of schizophrenia like delusions and hallucinations," she says, "But they're less effective in addressing the lack of drive that makes some schizophrenics unable to get out of bed for days, much less hold down a job. People with schizophrenia are often perceived as lazy, when in fact their lack of drive is part of the frontal lobe syndrome that characterizes schizophrenia."

Learning more about schizophrenia is made all the more difficult by the very conditions that make it so devastating. For schizophrenic patients who have trouble functioning in the real world, taking part in research studies is difficult at best. "A patient who is paranoid might refuse to enter a scanner because he thinks the researcher is trying to steal his brain, for example," Park explains.

Despite the challenges, Vanderbilt re-

searchers are making exciting discoveries in schizophrenia. Park is particularly interested in how deficiencies of the frontal cortex might produce symptoms of schizophrenia. "The frontal cortex is proportionally much larger in humans than in other species, possibly because it evolved to cope with complex social organizations that characterize our species," she says. "Social situations are more difficult than any laboratory cognitive problems. You are constantly updating information in your memory, observing the other person's behavior and anticipating what they might be thinking and programming your response while inhibiting any inappropriate actions. We all do this automatically yet it's really much more complex than solving differential equations."

Park and her colleagues have found that persons with schizophrenia exhibit severe deficits in the type of short-term memory called working memory, which is the system for maintaining information in brief storage to guide behavior.

In simple short-term memory exercises, they have found that positive reinforcement from another person in the same room produces improved memory performance. By comparison, positive reinforcement in the form of computer messages or recorded voice produces no appreciable improvement.

In another test, Park measured working memory in schizophrenia patients as they viewed two film clips—one a light, funny scene from the movie "Grumpy Old Men" and a second from an upbeat Home Shopping Network pitchwoman selling skin care products. With the direct "I'm talking to you" approach of the pitchwoman, subjects' working memory improved.

"Most people assume that persons with schizophrenia don't like other people, that they're better off left alone, working with

computers or in other solitary pursuits," Park says. "We're questioning that assumption. It may be that the brain function of schizophrenics would improve with more social interaction."

Studies such as these are significant, but to give the most complete picture of what's going on in the human brain, functional neuroimaging is a giant step forward. The collaboration of two other Vanderbilt researchers has produced a major breakthrough in our ability to study brain disorders like schizophrenia. Drs. Robert Kessler, professor of radiology and radiological sciences, director of neuroradiology, and director of PET research; and Herbert Meltzer, Bixler/Johnson/Mays Chair in Psychiatry, professor of psychiatry and of pharmacology, and director of the Mental Health Clinical Research Center at Vanderbilt, have developed brain imaging methods that allow them to look at basic defects in the dopamine system and how new antipsychotics differ from older ones in their ability to block receptors.

Dopamine is known best as the neurotransmitter involved with Parkinson's disease. In Parkinson's patients, the cells that make dopamine degenerate. Until recently, only the area of the dopamine system in the brain related to Parkinson's disease had been quantified. Now, with an imaging compound Kessler developed last year, researchers are able to image the rest of the dopamine system and examine key areas of the brain related to psychosis and memory impairment.

Meltzer has been a key figure in developing an improved class of antipsychotic drugs, particularly clozapine, which, unlike earlier antipsychotics, improves cognition.

"Schizophrenia has been difficult to treat because we don't fully understand all its multiple aspects," Meltzer explains. "For years, people focused on the delusions and hal-

lucinations that result from too much dopamine in the brain. Treatment strategy was based on blocking dopamine."

Meltzer, by contrast, viewed the disease holistically, which meant looking at learning, memory, attention, and executive function—the capacity to make good judgments. Cognitive deficit problems such as these are not helped by dopamine receptor blockage. Meltzer's work showed that clozapine, and subsequently developed drugs, could substantially improve cognitive deficits.

"Now that we understand better that schizophrenia is a cognitive illness, we're in a position to focus on exploring cognitive impairment and how better to treat it," says Meltzer, who believes his research will also enhance understanding of Alzheimer's disease, other forms of dementia, and even age-associated memory impairment.

Because the class of drugs Meltzer helped develop produces fewer side effects than previous anti-psychotics, they can be used more broadly for treating depression, mania, Alzheimer's disease, senile sarcoses, character disturbances, and personality disorders.

One of the more intriguing sources of information about schizophrenia comes from hallucinogenic drugs like LSD and PCP, also known as phencyclidine or angel dust. Elaine Sanders-Bush is professor of pharmacology, professor of psychiatry, and investigator and senior fellow at the John F. Kennedy Center. She has spent years examining the role of serotonin and serotonin receptors in the action of hallucinogenic drugs.

"Hallucinogenic drugs are a fascinating class of drugs because they produce an altered perception and some of the same symptoms found in humans with brain disease," Sanders-Bush says. By discovering which genes are altered by these drugs, scientists hope to identify genes important in schizophrenia. Hallucinogenic drugs can be used to produce behavioral effects in laboratory

animals. One group of studies overseen by Sanders-Bush, for example, examines the visual perception of fruit flies that have been administered hallucinogenic drugs.

"We still don't know much about 90 percent of the genes that are expressed in the human brain," says Meltzer. "The expectation is that some of them will be linked with schizophrenia, which will allow us to develop drugs to increase or decrease their expression."

Researchers like Park look forward to a time when schizophrenia will be managed in much the same way as other diseases like diabetes. "It's a goal for all of us studying schizophrenia," she says.

"Treatment is continually getting better. Many schizophrenia patients are creative people with much to contribute, and if we can find intervention strategies to help children before the disease devastates them, they will be able to realize their potential rather than waste away in homeless shelters. We may not be able to cure schizophrenia, but we hope to help people lead fruitful, productive, normal lives."

—GayNelle Doll

Are things getting better or falling apart? Did the bombs that leveled Hiroshima and Nagasaki stop the lights of civilization from going out or show humanity's darkest capacity for mass destruction? In an era of global warming, ethnic cleansing, and drug-resistant bacteria, does anybody still think the world is improving? And with all the busy-ness of jobs, fam-

ilies, and life in the triple-zero decade's fast lane, who has time to stop and think about big questions like these? Anyway, what does it matter?

David Wood thinks it matters a lot. The Vanderbilt philosopher organized a series of three public lectures in March on "The Possibility of Progress." The speakers—John Lachs, John Compton, and Gregg Horowitz—are all distinguished professors of philosophy at Vanderbilt, but their takes on this issue could hardly be more different. What follows over the next few pages is an abridgement of their lectures.

Introductory text: Beth Conklin,
Associate Professor of Anthropology

The Possibility of Progress

VANDERBILT PHILOSOPHERS LOOK AT JUST HOW FAR WE'VE COME

Both Better Off and Better:

Moral Progress Amid Continuing Carnage

John Lachs is an optimist whose family left war-ravaged Europe to find hope and possibility in the United States. He thinks Americans don't give themselves enough credit for how much better—and better off—we are these days, both morally and materially.

by John Lachs

To victims of 20th-century atrocities, my argument may seem sinister and hollow. To intellectuals who equate sophistication with cynicism, it will appear naive and perhaps shallow. To seekers after perfection who find each number wanting because it falls shy of the infinite, it will be a lesson in futility. But to the rest of us, what I have to say may serve as a useful reminder of how fortunate we are to live today and not even just a few hundred years ago. It may also evoke reasonable hopes for the future and establish a standard by which to measure the magnitude of the tasks on the road ahead.

I wish to show that in spite of the misery and wickedness that still remain in the world, the human race has enjoyed significant moral progress over the course of history. At the very least, the ways in which being better off contribute to being better are poorly understood and inadequately appreciated. I hope to be able to clarify the connection.

Let me begin by acknowledging that the 20th century was full of events ranging from the lamentable to the awful, and the 21st century is following suit. Religious intolerance, ethnic hatreds, and national rivalries contribute to the misery of hundreds of millions of people. Random violence erupts even in the most civilized countries, and fraud, lying, cheating, and coercion constitute ways of life all over the globe. We must also consider that morality does not progress at the same rate everywhere.

For most people in most of the industrially advanced countries, life today is strikingly easier, safer, richer in choices, more diversified, healthier, more just, longer, and more satisfying than ever before. We eat better, suffer less pain, are ravaged by fewer diseases, exercise greater control over our environment, face brighter prospects, have a better chance of enjoying worthwhile experiences, and live more peaceful lives than any previous generation.

To learn what life was like in prior centuries, we need to read about the travail of ordinary persons, not the exploits of the high and mighty. The little people who built the pyramids of Egypt and the cathedrals of me-

dieval Europe were infested with parasites and found themselves at the mercy of tyrannical rulers and a poorly understood, terrorizing world. The peasants of the Black Forest Heidegger so admires lived in cramped discomfort and suffered from painful degenerative ailments. People everywhere were decimated by war, malnutrition, persecution, tuberculosis, and venereal disease. The relatively few who survived past the age of twenty-five suffered from digestive malfunctions and rotting teeth. Persons of the wrong religion were executed, people were deprived of property on the basis of accusations alone, and those in debt went to jail never to return.

A better understanding of the human body, the development of technology, and the spread of democratic values made life better in large and small ways that are nearly impossible to detail. The best summary of these blessings is to note that they improve the human lot by increasing the range of our choices.

We can now do things prior generations could hardly imagine the gods performing: sending messages to each other in the dark of night, making hot rooms cold by turning a knob, and growing food in desert sand. Such choices mean that we can determine our own good: we can still permit our teeth to rot or the heat to suffocate us, but we don't have to.

As with all good things, progress comes at a price. The use of penicillin has admittedly caused a number of deaths and its availability may have contributed to less than optimal caution in sexual relations. But the millions of lives it saved is out of proportion to the relatively few whose loss or diminution may be attributed to it.

Heroic self-sacrifice may be more uncommon today, because it is less necessary. But we are amply compensated for such losses. Individual generosity has placed 12 percent of our vast national wealth at the permanent service of education, the arts, and the helping professions. Government considers it a sacred obligation to take care of the sick and the elderly. Even those who want to argue that humans lack good will or an ultimate vision of

what would satisfy them cannot deny that ingenuity, inventiveness, and sustained labor have made human life immeasurably better.

In assessing what good there might be in the world, human welfare cannot be disregarded. Might it nevertheless be true that growing comfort entails moral loss? If only austerity can build character, our good fortune in living well and long must surely hurtle us into spiritual decline. Active virtues are likely to atrophy, the imagination may shrivel, and we will be tempted to turn inward to wallow in our happiness.

Contrary to the fears and warnings of Luddites, the means our prosperous industrial world provides directly promote the growth of virtue. Consider the power of telecommunications. Medieval villages received virtually no news from the outside. Today, e-mail, the telephone, CNN, and fax machines have forged indissoluble links between us and people around the globe. Once we know what happens to them, we cannot be indifferent to their fates.

Those who think there has been no moral progress through the ages should recall that for thousands of years humans struggled without an impartially administered law protecting their lives and property. When laws proscribing and punishing criminal acts first emerged, as in the code of Hammurabi, they were a magnificent step in the direction of human security.

Rapid transportation, instant communication, and universal commerce make us participants in the lives of others. The leisure and wealth generated by highly efficient economies provide the wherewithal to aid our fellows. Without the infrastructure of the industrial world, large-scale concern for others would be impossible. The only sure source of decency is the imagination that enables us to place ourselves in the position of others. Sensory contact with the distant functions as a mechanized imagination. Television brings us the distant scene and we are no longer required to construct for ourselves how others might live and what they believe. Sympathies expand as more of the world enters our consciousness until people we have never met become compan-

ions with a claim.

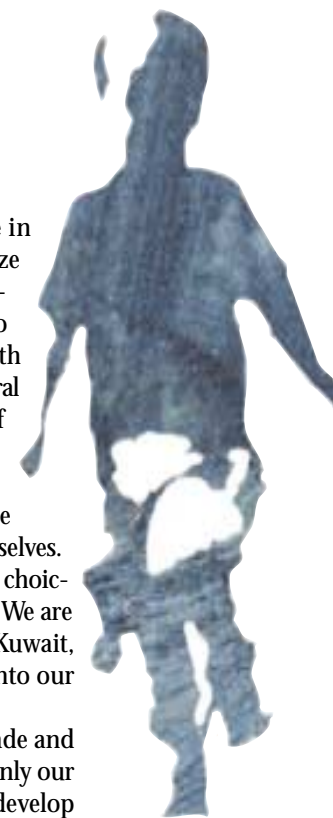
Momentous changes take place in human relations when people realize that trade is a better way to relieve others of their goods than force. It is no overstatement that replacing war with commerce is a turning point in the moral evolution of humankind. Instead of wanting other people dead, we want them to live and prosper. We begin to view our trading partners in the same favorable light in which we bathe ourselves. Their habits become interesting, their choices respectable, their fates important. We are ready to protect them, as we did in Kuwait, and admit them as valued persons into our community.

Those who wish to argue that trade and wealth and communication change only our actions and not who we are need to develop a better understanding of the intricate relations between "external" actions and the inner person. What we do again and again penetrates the soul and shapes it in its image.

On the whole, humans today are not only better off but also better than previous generations. And by "better" I mean not only that we do good things more often, but also that we are, on the whole, morally more admirable people.

Being on the whole better is consistent with there having been a few people in prior ages who were more virtuous than anyone living today, and it does not even suggest that we are in some absolute and final sense "good." All injustice has not been overcome, all pain has not been stilled, all needs have not been met. We find throwbacks and face reversals again and again. But taking all of this into account, we still feel the tides of decency rising and see shafts of light to guide our actions and to feed our hope.

John Lachs is Centennial Professor of Philosophy and a senior fellow at the Vanderbilt Institute for Public Policy Studies.



New and Not Improved:

Is There Progress in the Arts?

Greg Horowitz, a Gen-Xer with an attitude that matches his all-black wardrobe, shrugs off the whole idea of societal progress. "It's a generational thing," he says. "I never had that kind of an expectation, to be either disappointed or to reaffirm it." He points to art as an example of how irrelevant it is to talk about things getting better. "Art doesn't get more beautiful over time. In fact, the art we really like is almost always older, from at least one generation earlier."

by Gregg Horowitz

When we speak of progress we arrange historical moments along some yardstick of improvement and then measure particular moments as better or worse. The concept of progress thereby allows us to treat historical change as an unfolding drama with a coherent narrative structure of beginning, middle, and end. Let us consider how, if at all, this sort of historical awareness is relevant to understanding art.

We need works of art to anchor our thinking about historical progress, and I have chosen the work of Andreas Gursky, a contemporary German photographer who is the subject of a mid-career retrospective at the Museum of Modern Art in New York City. Gursky is the first serious photographer to have made significant aesthetic use of the technology for photographic manipulation called Photoshop. It is computer software with which one can manipulate photographs in seemingly endless ways.

While Photoshop is not the first and no doubt will not be the last such technology, it is the first with sufficient power to break the evidential link between photography and the world. Philosophers typically characterize this evidential link in terms of counterfactual dependence: were the object not present in front of the lens when the shutter opened, the photograph would not be able to show it.

What is ironic about the impact of Photoshop on photography is that in attacking the basis of what was a specifically photographic practice, i.e. the use of the camera to make counterfactually dependent pictures, the new technology is flinging the art of photography into the modernist whirlpool just as photography, when it was a new technology, seemed to do to the art of painting. Photoshop transforms photography from a technology with a uniquely powerful capacity to show us our world into an antiquated technique, and that, to all appearances, was exactly the fate that photography imposed on painting. Photography might continue to exist as a hobby or a specialty taste, as does painting, but its privilege in capturing the visual world is passing away.

The crisis in recent photography permits

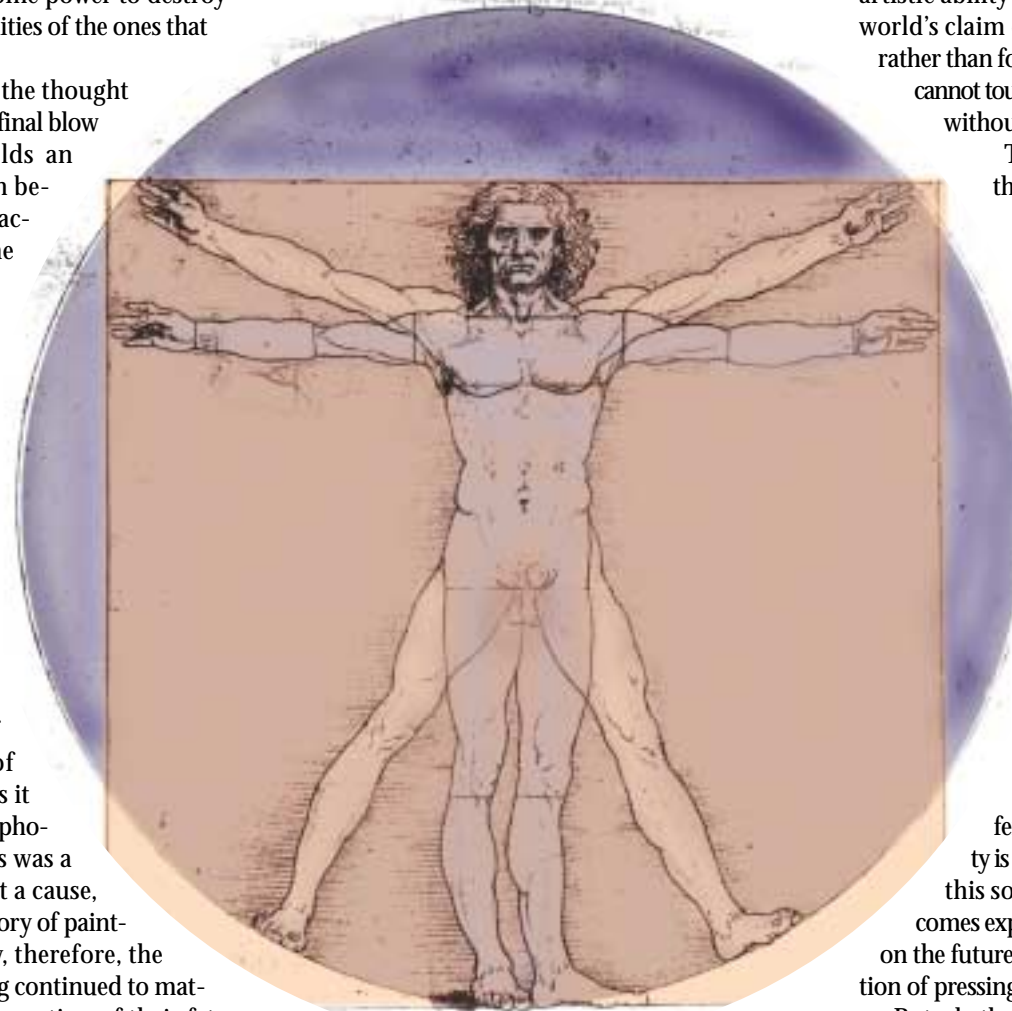
me to offer readers a reason for thinking that the history of art is not progressive at all. Photoshop is a technological advance, but it is bringing to an end one of the dominant visual arts through which we have made our world intelligible for the last 150 years. It exemplifies how new technologies, regardless of whether they bear with them new forms of art, have the awesome power to destroy the expressive possibilities of the ones that they displace.

At the same time, the thought that Photoshop is the final blow to painting also holds an immediate attraction because one of the characteristic features of the new technology is that it allows photographers to develop capacities for invention that remained largely the property of painting in the era of straight photography.

The invention of photography indeed was a disaster for painters and painting in many respects, and it is part of my interpretation of Gursky that he knows it was. The invention of photography nonetheless was a consequence, and not a cause, of the crisis in the history of painting. Not surprisingly, therefore, the techniques of painting continued to matter so much that the question of their fate generated both one of the most dynamic periods in Western painting as well as a permanent case of painting envy in artistic photographers. But Photoshop threatens to wreck photography's inner life and so also threatens the remnants of painting.

Photography's automatic nature may have let the world take care of itself, but it did so by leaving the hand out of the picture. Perhaps

what Photoshop has begun to reveal to us is that a world in which invention and intelligibility are so entirely riven, a world in which painting and photography, hand and eye, are, in the words of the philosopher Theodor Adorno, two halves that do not add up to a whole—that this is an impossible world.



Gursky's working procedure is something like this: he first makes photographs that are counterfactually dependent on the world, but he sees them as a forms of misrepresentation. Because they are so immediately recognizable, they lie. Gursky then uses Photoshop to fill out the image so that it becomes simultaneously incomprehensible and all too vivid.

Gursky's images try to show how the face of the world, which is now only a mask, has gotten away from us. Our technology allows us just enough distance to remain unmoved by this mask even when it grimaces in pain. It is a touch-up technology that is driving our artistic ability to represent the world's claim on us backwards rather than forwards. The world that cannot touch us visually is the world without a face.

This problem of whether the world can be visually measured is at the heart of Gursky's photographs. It is also what ties his work to the history of painting understood as the effort to render the world visually intelligible. The reiteration of elements in Gursky's overstuffed Photoshop images is, in a sense, the photographic equivalent of impressionism, an art of the disappearing world.

With Photoshop, Gursky has, perhaps, given a face to the faceless world. It is a surprisingly beautiful face, a fact I have not even referred to until now, but its beauty is a mask for something. Whether this sort of masking eventually becomes expressive will have some bearing on the future of art and is therefore a question of pressing concern for aesthetes.

But whether we can craft a face at all that is fit to measure a world that has unhanded us is a problem for the future of the human world in general, and, as such, its significance for us all is immeasurable.

Gregg Horowitz is associate professor of philosophy.



Knowledge and Power:

Some Social Consequences of Scientific and Technological Progress

The son of a Nobel Prize winner who led the development of the atomic bomb, John Compton is especially concerned about the double-edged consequences of science and technology. "August 6, 1945, was the day that called the whole idea of progress into question for me," he says.

by John Compton

A full assessment of the impact of scientific and technological progress shows that it has utterly transformed our way of being-in-the-world. Not only do we have marvelously enhanced powers to advance the human good, but those very powers set before us far-reaching social and ethical choices that entail huge, unprecedented risks.

Increased scientific and technical knowledge has all along brought unsettling dislocations with it. New scientific understanding has often challenged traditional religious and philosophical ideas—as happened with the Copernican and Darwinian revolutions, or, as we sense today, in the rigorous probing of the physical basis of mind. And new technologies have always brought with them transformations in social practice.

But "Big Science" pervasively linked to "Big Technology," as we now know it, is a completely new phenomenon, with unprecedented social and environmental impact. Today, there is not a manufacturer or business that does not feed off basic scientific research, and there is no basic research in the physical and biological sciences without foreseeable—and of course, also, unforeseeable—consequences in practical application. In the process, the entire social role of the sciences has been transformed. The scientist has become an agent of social change.

New science and new technology are everywhere—in our consumer goods, our houses, our foods and medicines, our automobiles, roads, airplanes, and computers, in our business and government services, and even in music, education, and the arts.

We have come to see that the link between science and technology is not accidental; science is, in fact, essentially technological.

This was hardly visible before. The time span between theory and any application was often quite long. But William James saw it clearly: Any theoretical investigation that seeks law-like explanations of phenomena is ready-made for application, a formula for action.

Descartes was right about this link between knowledge and power when he told us that the "new science" could make us "masters and possessors of nature." Francis Bacon put it

forth as a matter both of religious duty and public policy: If we would only organize scientific societies and give them governmental support, we could bring humankind to its rightful dominion over nature and permit us, in his words, to "effect all things possible." Astonishing and prophetic words for the goal of science—to "effect all things possible."

Scientifically based technology, thus understood, fundamentally transforms the meaning of human action. For centuries, human activity had largely local and temporary effects. "Technai," the arts and crafts, were relatively simple and human in scale, with limited environmental impact.

In recent years, with newer technologies and more and more people to employ and be served by them, the impacts have been dramatically magnified—irreversible depletion of water and mineral resources, irreversible loss of old forest lands, of topsoil in farm land, and of thousands of plant and animal species, polluted surface air and water, nuclear waste that won't go away for 10,000 years, ozone holes, and, in and through it all, global warming.

The conclusion is clear: human actions now have a power and reach we earlier contemplated only in myth. And with this transformation of the meaning of human action comes a transformation in the meaning of ethics.

The only object of traditional ethics had been to bring order and improvement to human life. We had earlier supposed that nature could take care of itself. But it is now plain that the entire natural order is vulnerable to human power. Along with the human good, we have to consider the well-being of the land and the plant and animal communities around us—not only as they affect us, but for themselves. There's only the sketchiest provision for this in traditional ethics. Nature just doesn't figure except as a backdrop to human life.

We can see a further consequence—it is what one philosopher, Hans Jonas, recently called the almost "utopian drift" of everyday choices and, therefore, of many of our political decisions as well. Everything we do—what we buy, what we eat, how much fuel we burn—

seems to have ultimate consequences. When we vote, we are forced to attend to momentous environmental issues and to assess policies which will have far-reaching, and often quite unpredictable, effects for generations to come. We seem propelled into a kind of speculative thinking that used to be the preserve of utopias.

We know there's been broad progress in scientific, technical, and economic terms. But one is forced to ask whether there has been moral progress, progress in giving human meaning to our lives. Yes, surely, in important ways. Through the sciences, we understand who we are and where we come from far better than before. And, thanks to remarkable advances in agricultural, industrial, and medical technologies, human beings can (and probably do) do more good things for more people than ever before.

But we can see the dark side of this as well. There are too many people—within our own country and elsewhere—for whom scientific and technological "progress" is little more than a word. And the environmental consequences of many technologies threaten planetary health and survivability. True moral progress—insofar as we can speak of it at all—depends upon our success in facing the immense global problems we have helped to create.

I think by now most of us see what it will take for us to approach a more sustainable relation to the environment—it is taking and will take a fundamental shift in our culture. There is still an immense amount of denial. We Americans waste energy—and food and other resources—in amounts beyond belief. We tend to resist policies—or new, more environmentally salutary technologies—that we think might limit our freedom or our lifestyle. And political obstacles are worldwide—the global village is a tremendously complex and contentious place, where water and land and economic development are bound up with deep and long-lasting political conflicts. There is much to be done.

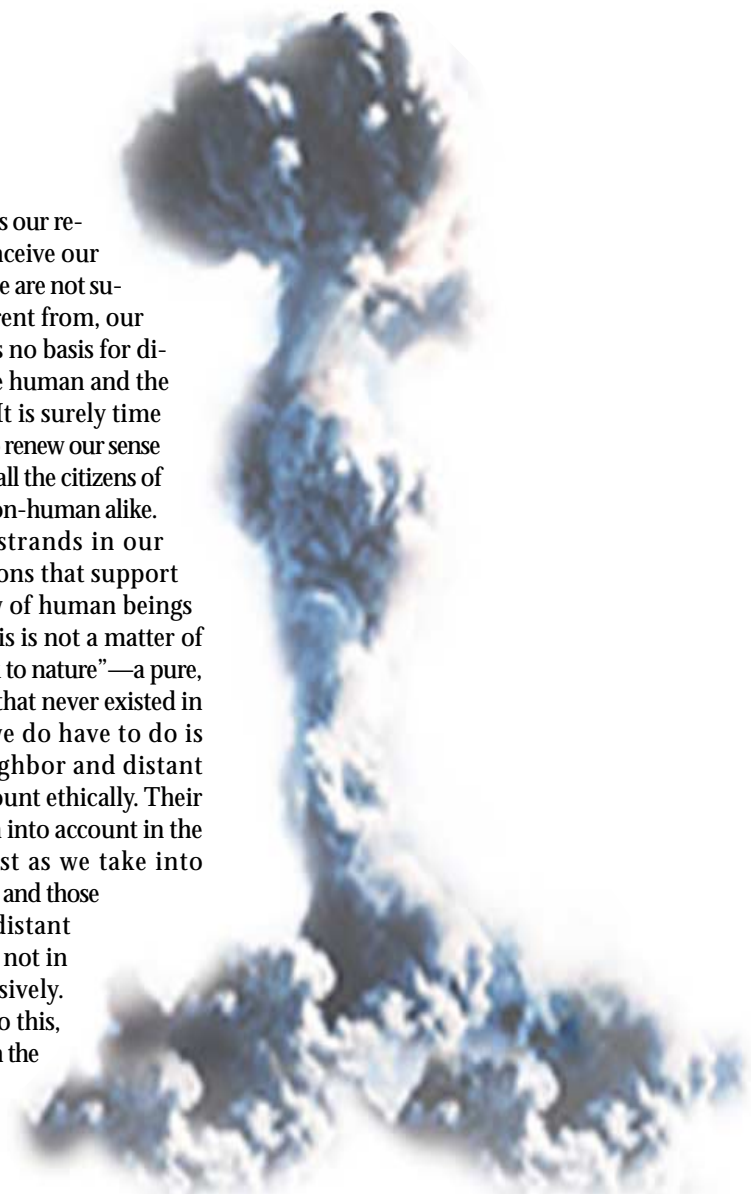
But the challenge is more than economic and political, it is ethical and philosophical. As I've tried to tell my students over the years, the so-called "environmental crisis" isn't any longer a crisis, it's a "condition." We are not licensed

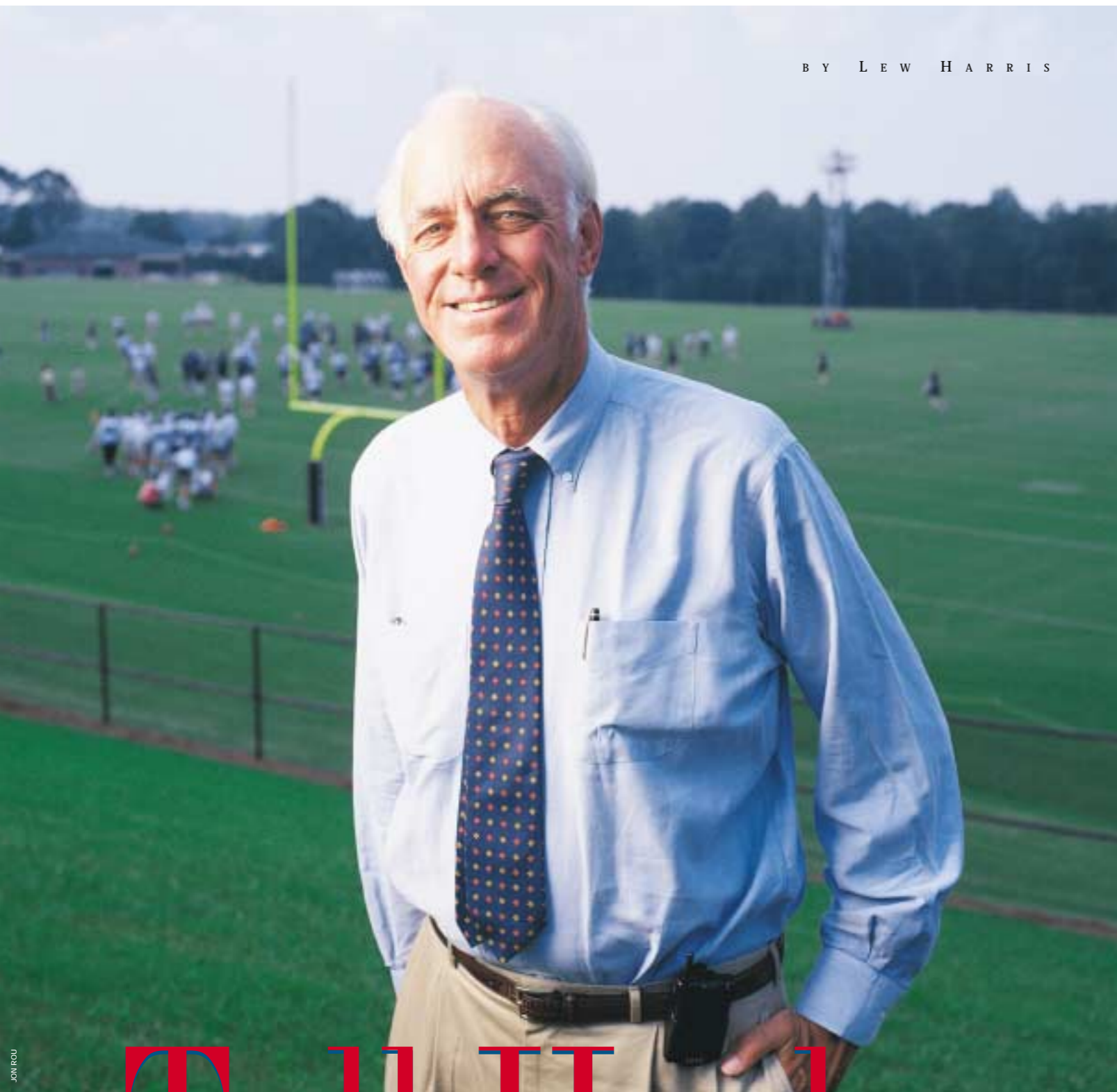
to treat the earth simply as our resource. We have to reconceive our situation, to realize that we are not superior to, but only different from, our fellow creatures. There is no basis for dividing the world into the human and the non-human any more. It is surely time to act on what we know, to renew our sense of common destiny with all the citizens of the planet, human and non-human alike.

Happily, there are strands in our philosophies and religions that support this kinder, gentler view of human beings in the natural world. This is not a matter of some fanciful "going back to nature"—a pure, wild Thoreauian nature that never existed in the first place. What we do have to do is recognize that our neighbor and distant non-human creatures count ethically. Their interests have to be taken into account in the decisions we make, just as we take into account our own interests and those of our neighbor and distant human beings—even if not in the same way or as decisively. We see that if we don't do this, we impoverish our lives. In the long run, what promotes ecological vitality and well-being promotes ours as well.

I am optimistic. I believe we're on the way. But there is an undercurrent of critical doubt that we need to keep with us. There is no way of completely avoiding the risks that go with the promise of new knowledge and technical power. What we can do is to temper anxiety with caution, constant vigilance, and a profound sense of our global role. What was once the responsibility of a few scientists, inventors, and policy makers is now the responsibility of us all.

John Compton is professor of philosophy, emeritus.





Tall Healer

FOR 35 YEARS ALUMNUS HAS TENDED THE ACHES AND PAINS OF THE ATLANTA FALCONS

Some people call Dr. Charlie Harrison “The Tall Healer.” Colleagues took to calling him “Doc Hollywood” when the longtime Atlanta Falcons team physician started appearing before television cameras to talk about head coach Dan Reeves’ dramatic recovery from heart bypass surgery in 1998. His favorite nickname, however, is “Chick,” the nickname used by his five grandchildren.

The same adjectives keep coming up when longtime associates describe Harrison—great doctor, smart, honest, humble, personable, caring, friendly, funny, a good family man. He’s also an accomplished amateur photographer, an avid Bible reader who serves on his church board, and once won the blue ribbon for a flower arrangement at a competition between two garden clubs.

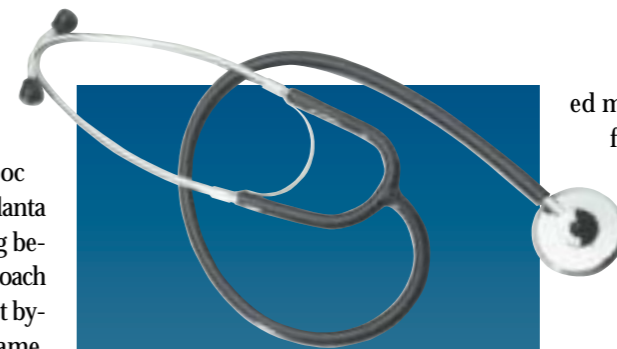
Team physician for the Falcons for thirty-five years, Harrison is among the best in the business. In February he received the Hawk Award, emblematic of the NFL Physician of the Year, from the Professional Football Physicians Society this past February. His three and a half decades with the Falcons is one of the longest doctor affiliations in NFL history.

“I love it,” he says. “It’s fun to work with people who are tremendously motivated to get well. A high performance athlete who makes his living playing a particular sport wants to get back (from an injury or illness) as soon as he can. It keeps the competitive fires burning just being around these players.”

Jerry Rhea, who worked with Harrison for twenty-five years as the Falcons trainer before moving into the team’s front office, believes he knows the keys to Harrison’s success.

“First of all, he’s a fine doctor who doesn’t have any arrogance about him,” says Rhea. “He’s intellectually astute but he’s very down home, humble, kind of foot-shuffling smart. He is terribly good with people, too. When he talks to you, you know it’s honest. Also, there’s a difference in being a good doctor and being a good team physician because of the psyche of taking care of athletes. He was an athlete at Vandy and he thinks like one.”

Harrison, B.A. ’56, was a scholarship basketball player who set Vanderbilt rebounding records that were not broken until



“It’s fun to work with people who are tremendously motivated to get well. A high performance athlete who makes his living playing a particular sport wants to get back (from an injury or illness) as soon as he can.”

All-American Clyde Lee came along about a decade later. Harrison ranks second to Lee in the highest rebounding average ever by a senior (14.3), and is third in the same category for juniors (12.9). He still ranks either fourth or fifth in four other Vanderbilt rebounding records, forty-five years after playing his last game. He helped lead Vanderbilt to 16-6 and 19-4 records his junior and senior years, respectively.

More important than the rebounding records, Harrison also met his future wife at Vanderbilt. Betty Ponder Harrison, B.A. ’56, transferred to Vanderbilt after attending Agnes Scott College for two years. The 5’10” young woman asked one of her brothers, who was attending Vanderbilt, if he had any tall friends or fraternity brothers. He replied that 6’7” basketball player Charlie Harrison was a fraternity brother. She immediately looked up Charlie’s picture in her brother’s yearbook.

“The first day Betty was at Vanderbilt, I walked into Irelands,” Harrison says. “She was in there with her brother and he point-

ed me out. We didn’t start dating until the following summer, when I was taking a whole year of physics in summer school plus a graduate course at Peabody.” He and Betty married after his first year at the Emory School of Medicine. They have three grown sons.

“That entire family are such good people,” says Tommy Nobis, an NFL Hall of Fame linebacker for the Falcons who is now the team’s vice president of corporate development. “When you get to know Betty and Charlie, you just can’t help but like them. They’re a perfect couple.”

Harrison completed his residency at Duke University Medical Center. He was completing a tour of duty with the Air Force in 1966. The Falcons and Braves both came to Atlanta that same year, and Harrison became their team physician by a quirk of fate.

Still in the Air Force, he traveled to Atlanta looking for office space in March of 1966. He ducked into a delicatessen and bumped into two physicians who had taught him at Emory Medical School. They were members of an orthopedic group that had been selected by both the Braves and Falcons.

“They were getting ready to go to spring training with the Braves and didn’t have an internist to help them give physicals,” Harrison says. “They said, ‘Could you get time off in a couple of weeks to come down to West Palm Beach and help us do the physicals? We also just learned today that we’ve been selected by the Falcons to do their orthopedic work.’

“I said, ‘Why don’t we do a doubleheader, and I’ll do the Braves if you’ll let me do the Falcons, too. You think about it and call me when you decide.’ They called me that night and agreed to that arrangement.”

A few years later the Atlanta Hawks came on the scene, and Harrison added them to his “roster.” He also took care of the Atlanta soccer team, the Chiefs. About the time the Chiefs dissolved, the Atlanta Flames hockey team was formed and, you guessed it, Harrison became their team physician.

Over the years, Harrison was forced to limit his team physician duties to those with the Falcons.

“It was running me ragged,” he says of

those days when he was ministering to every Atlanta professional team. "I just couldn't cover all the bases and practice medicine, too. My sports medicine really amounted to about twenty or thirty percent of my time early on, but as my practice grew, I had to cut back on sports."

Still, his time in the sports world has provided some priceless memories of working with great players like the late "Pistol Pete" Maravich in basketball, Hank Aaron and Joe Torre (a four-time World Series champion manager with the New York Yankees) with the Braves, and Falcons stars like Nobis, Claude Humphrey, and "Neon Deion" Sanders.

Harrison has also worked with every Falcons coach in the history of the team, from Norb Hecker to Reeves. The most unique coach on that list was the late Norm Van Brocklin.

"Norm had a nickname for everybody," says Rhea. "Norm named Charlie 'The Tall Healer.' Our orthopedic surgeon, Dr. James Funk, was about 5'6" and Norm nicknamed him 'The Mini Healer.'"

Van Brocklin, a Pro Football Hall of Fame quarterback during his playing days, was from the old school, and was known as "Stormin' Norman" for good reason. One of his first decrees, upon arriving as head coach of the Falcons, was that there would be absolutely no water on the sidelines for the players to drink during games. He held to that dictum for the first exhibition game, Harrison recalls.

"So there was a little conference the next Monday and I said, 'Norm, I don't know anything about coaching football and you don't know anything about doctoring. We're not going to take the liability of not having fluids on the sideline and if that's the way it's going to be, you're going to have to get yourself another doctor.' He backed off."

Indeed, Harrison is credited with first introducing the administering of I.V. fluids for players suffering from dehydration during or after games. Administering I.V. fluids to players in danger of dehydration is now a standard practice in both college and pro football.

Despite Van Brocklin's volatile temper — he once threatened to throw Harrison off the team plane but later apologized—the Tall Healer still has fond memories. "Norm loved

my wife, he loved my mother-in-law, and I really think he liked me. I knew if I could survive five years with Norm Van Brocklin, I could survive anything."

Harrison's greatest fame as a "jock doc" came when he diagnosed Dan Reeves' heart condition and then cared for him so that the Atlanta coach could return to the sidelines just weeks after undergoing triple bypass heart surgery.

Following a victory over the Saints in New Orleans, Reeves, who had two episodes of heart difficulty in previous coaching stints at Denver and New York, confided about danger signs he had been experiencing for a few weeks.

"After the game was over, I said, 'Charlie, I'm having those same symptoms in my throat that they told me would always be my cue that something was wrong with my heart. I'm going to wait until the season is over and then get it checked out. Do you think that's okay?' He looked at me and said, 'That's the dumbest thing I've ever heard in my life. We need to get this checked out and checked out now.'"

Harrison, who had given Reeves a physical and stress tests when he first came to Atlanta, was aware of the previous episodes of heart trouble. He immediately examined the coach and then got on his cell phone to arrange for an angiogram to be performed on Reeves early the next morning. He had a good idea of what it might reveal.

"I knew it was probably going to show that he needed heart bypass surgery. The reason I knew this was the time interval between the first difficulties he had experienced and this one. The angiogram showed that he did have multi-vessel obstructions, one of which was ninety-nine percent closed."

Reeves was devastated when he learned he needed immediate open heart bypass surgery, thinking it would prevent him from coaching the remainder of the year. Having anticipated that reaction, Harrison had figured out the first playoff game would be four weeks away if the Falcons won their division and earned a first round open date.

"Dr. Harrison said, 'Realistically, if things go the way they should, you could be back

on the sideline in four weeks,'" Reeves recalls. "That goal helped me focus. Instead of feeling sorry for myself, and thinking that I'm getting ready to die or something, I had something to shoot for. Sure enough, exactly four weeks later I was back coaching the first play-off game and six weeks later I'm out there coaching in the Super Bowl."

The feel-good story of Reeves' road to recovery was national news, particularly as the team kept winning. The media descended on Harrison's office.

"The media frenzy started the week before we played Minnesota for the NFC championship," Harrison said. "Then when we beat Minnesota and it was apparent we were going to the Super Bowl, the media was in my office from dawn until sunset. It continued all during the week we were in Miami for the Super Bowl." That's when he earned the "Doc Hollywood" nickname.

Charles Elbert Harrison is an imminently successful internist. The American College of Physicians conferred the title, Master, upon him in 1998, an honor shared by only about 300 internists in the world.

At age 66, Harrison has no plans to retire. He says he took up golf four years ago, and jokes that "it's a lot more expensive than skiing so I've got to keep on working to pay for it." His longtime friend, Rhea, predicts, "He'll practice until he dies because he enjoys it."

As for the nickname Chick, he got it from the oldest of his grandchildren, Charles McGregor Harrison. "I'd sing Charlie McGregor had a farm and go through all the animals when he was little. I would save the chickens for last and he would absolutely just guffaw with gales of laughter. So he started calling me Chick Chick. As he got a little older, it shortened to Chick. All the rest of the grandchildren picked it up, so I'm Chick."

A MONUMENTAL Journey

by Victor Judge

SERBIAN GRADUATE STUDENTS WILL HELP PRESERVE THEIR HOMETLAND'S ARTISTIC HERITAGE



Upon completing masters' degrees in art history, Jelena Bogdanovic and Ljubomir Milanovic return to their native Serbia to teach and help restore the monuments attacked during the undeclared war of 1999 between their country and a NATO alliance.

Their introduction to the American South occurred in a Belgrade cinema. Silhouetted against the Georgia dawn, an unvanquished Scarlett O'Hara, in dubbed Serbo-Croatian, proclaimed from the radish patch that with God as her witness she would never be hungry again. This melodramatic scene from David O. Selznick's 1939 production of "Gone With The Wind" and contemporary glossy advertisements depicting Nashville as Music City USA were the only images of the South that Jelena Bogdanovic and Ljubomir Milanovic had seen before arriving last August at Vanderbilt University. Having completed their first year of graduate studies in art history, their perspectives of the South now extend beyond scenes staged for the 70-millimeter wide screen and travel brochures.

Bogdanovic and Milanovic have found Nashvillians to be amiable and the University's administration and faculty to be supportive of international students. They continue to be amazed at the libraries' plentiful resources and how readily accessible books are for research. The most challenging adjustment the two art historians have had to make, however, is to the weather; both prefer the South's winter and spring to the humid dog days of summer.



MAPS Without Borders

When Bogdanovic and Milanovic announced they were leaving Yugoslavia to matriculate at a university in Tennessee, friends responded skeptically to their decision. “You’re going to a desert,” declared one of Milanovic’s colleagues at Belgrade’s Gallery of Grafički Kolektiv, the city’s oldest art gallery where Milanovic, 32, worked as a historian.

Other peers questioned why they wished to study in the country that led the NATO alliance of 19 nations during the 1999 undeclared war against Serbia—when bombs fell for 78 days in an effort to overthrow Slobodan Milošević’s regime—an attempt that resulted in the destruction of human lives and Serbian cultural patrimony as low-grade uranium blanketed the Balkan republic’s cities and countryside. Milanovic, who earned the diploma of philosophy from the University of Belgrade, defended his decision to study in America by telling his friends, “You cannot have borders in your mind if you wish to lead a scholarly life,” a defense shared by his Vanderbilt classmate, Bogdanovic.

“As I was preparing the applications to different graduate schools, I considered the possibility of American prejudice against Serbs, but I also believed that universities would look at me as a student and not as a member of an ethnic group,” explains Bogdanovic, 27, a native of Bor and an architect who also was graduated from the University

of Belgrade. “To deny myself the opportunity to study in the United States because of political reasons would be to lock myself in a small ghetto where I close my eyes, my ears, and my mouth. I witnessed Yugoslavia become a ghetto during the past decade of economic sanctions. Our intellectual maps cannot be restricted by the same boundaries that divide geographical maps.”

For Bogdanovic to make the transition from architecture to art history, she would need to enroll in a university outside Serbia because cross-disciplinary studies in higher education had been discouraged since Tito’s death in 1980 when experimental educational “reforms” were implemented. “During the six years I studied architecture, I acquired skills in design, but I never thought about constructing buildings,” she admits. “I was more interested in studying architectural history and preservation and in gaining more knowledge about my country’s artistic legacy. Whereas I fail to see architectural history and art history as unrelated disciplines, the educational system did not promote opportunities for researchers in interdisciplinary studies.”

A cybernetic discovery

The primary reasons that motivated Bogdanovic and Milanovic to apply to American institutions were the high rankings of the country’s graduate programs among the world’s universities and the availability of research scholarships. Although the two applicants had studied for their undergraduate degrees at the same time and were residing and working in the same city, Bogdanovic and Milanovic had never met. Both had conducted research, via the Internet, for graduate schools that offered courses in Byzantine and medieval art. When the search engines linked them to Vanderbilt University’s home page and directed them to the name of Ljubica Popovich, associate professor and director of graduate studies in fine arts, the futures of this pair of scholars soon would be linked.

Bogdanovic and Milanovic investigated the graduate programs at more than 50 universities, and Vanderbilt occupied a place on their short lists of schools to which they hoped to be accepted. Among the inducements for attending the University was the opportunity to study with Popovich, a fellow Serbian who had been given permission to leave Communist-ruled Yugoslavia in 1957 and whose scholarship on her country’s patrimony was familiar to both applicants. Upon learning they had been granted admission, Popovich contacted the yet unacquainted classmates and encouraged them to meet in Belgrade and plan their first trip to America.

Departing for the United States by way of Budapest, Hungary, was not only more economical but easier because of the restricted number of flights from Belgrade to America. Bogdanovic and her husband, astrophysicist Dusan Danilovic, left their country without any complications. Awaiting her in America would be a letter from

Peter Reed, acting dean of the Graduate School, informing her that she had been awarded the University’s highest honorary graduate fellowship. But as Milanovic approached customs officials at the Serbian-Hungarian border, he feared being denied passage because of a secret that accompanied him.

Although he had fulfilled his obligation of military service in the Yugoslavian military a decade earlier, Milanovic knew there was a possibility of being conscripted for the defense of Belgrade during the attacks by the NATO alliance. He remembers the evening of March 24, 1999, sitting in his room and reading when the first sirens were heard at 8 o’clock. “My sister living in the Netherlands had warned us that the American-led force would bomb Belgrade and Kosovo; however, my father thought the sirens were signaling a practice drill, but within 20 minutes the cities were under attack,” he says. “As we were taking shelter I kept thinking how I could be called up for mobilization in the army and how my work and education could be disrupted. The next morning as I was on the bus traveling to work, the sirens sounded again, and all the passengers fled to seek refuge in bomb shelters dating back to World War II. That’s when I decided to go into hiding.”

To avoid conscription, Milanovic hid for 15 days in a friend’s apartment and pretended to be out of the country while Serbian military authorities interrogated his parents about his absence. Because of the pressure to which his parents were subjected, Milanovic resurfaced, reported to the military authorities, and served in the army’s defense reserve.

“When I was preparing to cross the border into Hungary, I had no idea what records the government had entered about me in the computer and whether I would be forbidden to leave because of my earlier disappearance,” explains Milanovic. “Fortunately, there was no negative documentation preventing me from proceeding to Budapest.”

But his departure from eastern Europe was not without sadness. Living in a country torn by civil strife and worrying about his son’s welfare proved to be too difficult for Milanovic’s father who died from the effects of a stroke before seeing his son leave for Vanderbilt.

And Bogdanovic’s year in America also was marked by sad news from home. Her great uncle—who had entered self-imposed exile in Paris since the Communist rule of Yugoslavia and who vowed he would never set foot on Serbian soil until his country was liberated—died just seven days before the bloodless People’s Revolution of October 5, 2000, and the resultant capitulation and arrest of Milošević.

Neither student’s family experienced casualties as a direct result of the bombings, but as Bogdanovic emphasizes, “Every Serbian family ultimately was affected by the war because Serbians are strongly connected by family ties, and within our extended families, relationships are not narrowly defined. A second cousin is regarded as a brother, and a great uncle is respected as if he were one’s grandfather. Since I have been in America, I have heard references to the ‘immediate or nuclear family,’ but for Serbians, relationships are defined more inclusively and extensively.”

A Peaceful Translation

As they enter their final year at Vanderbilt and begin writing their masters’ theses, Bogdanovic and Milanovic anticipate returning to Serbia where they plan to teach on the university level. They also hope to apply their graduate coursework in Byzantine and medieval art history to projects dedicated to the restoration and preservation of Serbia’s religious monuments—such as the monasteries that Bogdanovic sketched as a young girl when she and her parents traveled to the seaside, or the cloisters where Milanovic walked as a boy when his grandmother took him to church. International laws theoretically protect such monuments during conflicts, but in reality they are often targeted by bombs and later dismissed as the collateral damage of war.

By working to preserve Serbia’s artistic heritage, Bogdanovic and Milanovic will be making their contribution to a country where the first priority is not restoring cultural patrimony but promoting economic reform, where ideas about “restorative justice” are discussed more frequently than restoration of Palaeologan-style frescoes in Gracanica.

Both students contend that Serbia’s evolution toward democracy must be approached as delicately as turning the pages of a medieval illuminated manuscript, yet they are optimistic about the new government led by Vojislav Kostunica and his ability to help the people achieve a catharsis after years of divisiveness. If they were asked by the recently elected leader of Serbia to make recommendations for the transitional government, their advice to him would be expressed in a single, unequivocal statement: “Don’t steal from the people.”

The Serbia to which they will return next May will be a country that could be compared to a “translation,” a metaphor that Bogdanovic finds particularly appropriate in light of a recent e-mail she received from a friend in Belgrade. Recounted in the letter was a story about a television documentary featuring Serbian author Vladimir Arsenijević who had returned from exile in Mexico. Viewers of the program heard Arsenijević read his translations of poems by Xhevdet Bayray, a Kosovo Albanian writer who also had been exiled from the Balkan States and lived as Arsenijević’s next-door neighbor in Mexico.

“The idea of two Balkan literary artists of different ethnic backgrounds exiled together in a foreign country, residing side by side, and translating each other’s ideas into their respective languages represents my hopes for Serbia,” she says. “I like to ponder that one day, we will not be divided so strictly and that art will help us to coexist peacefully.”

BOOKS

THE MIRROR CRACK'D

Body of a Girl by Leah Stewart, BA'94, 320 pp., Viking Press, \$23.95 hardcover

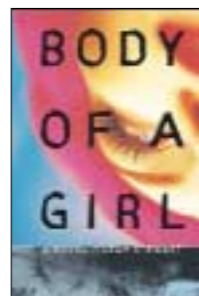
To call *Body of a Girl* a mystery novel would be like calling *Moby Dick* a fish story. Leah Stewart has, in her first novel, crafted a well-paced whodunit in which a crime and its solution are just the bottom layer of an absorbing, frightening psychological profile of a young woman slipping into insanity.

Olivia Dale, reporter for a Memphis newspaper, becomes entangled in the details of her latest police beat story, the discovery of a body. The victim, beaten, raped, and run over by a car, is Olivia's age and bears more than a passing resemblance to her.

The ambitious reporter demonstrates a willingness to do whatever it takes to get the story and keep it on the front page. What begins as Nancy Drew, however, rapidly becomes Dostoevsky. As she uncovers more and more details about the victim and her dangerously lived life, Olivia becomes more and more empathetic, and her empathy swells to a terrifying obsession.

That a 26-year-old writer combines the potent ingredients of murder, drugs, music, wealth, and privilege, and does so with such deftness is itself a mystery. Former Vanderbilt faculty member and critically acclaimed novelist A. Manette Ansay calls her former student's debut "a smart, sexy literary page-turner, a fully imagined and stunning portrait of two young women's lives and loves."

Stewart, now a resident of North Carolina, grew up with an Air Force father, the family living in nine states and two countries. Her short stories have appeared in publications including the *Kenyon Review*. —GayNelle Doll

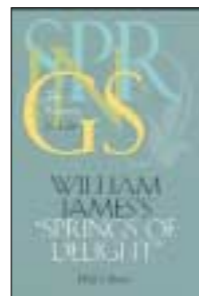


EMBRACING OUR DELIGHTS

William James's "Springs of Delight": The Return to Life by Phil Oliver, PhD'98, Vanderbilt University Press, 280 pp., \$34.95 hardcover

William James, the American psychologist and philosopher, insisted that philosophers address the real problems and experiences of real people, even as they address their academic colleagues. Nashville writer Phil Oliver charts James's success in doing just this by countering charges that James lacks a philosophy of transcendence and that transcendence detaches us from subjective experience. Oliver's new book is a welcome addition to those volumes that demonstrate the continuing relevance of American philosophy to contemporary life. The author's special contribution is to help us rethink transcendence as an exalted awareness rooted in our subjectivity.

Oliver characterizes Jamesian transcendence as personal, in contrast to the "impersonal" variety common to traditional thinkers (including James's own student, George Santayana). Personal transcendence turns toward, rather than away from, the world and indicates an active engagement with life. The book's thesis underscores James's celebration of the varieties of subjective experiences, rooted in pluralism and radical empiricism, which enables him to develop a philosophy of transcendence that Oliver argues is neither selfish nor blind to the future.



The scope of Oliver's book is wide ranging, both in articulating the central vision that animates James's philosophy and in showing the enduring value of that vision in relation to current academic discussions and living issues. By focusing on transcendence, Oliver weaves together James's positions on subjectivity, mystery, naturalism, evolution, religion, personal flourishing, and social solidarity. James's contemporaries (most notably Santayana and John Dewey) receive due attention, as do some of our own (Daniel Dennett and Richard Dawkins). Importantly, Oliver also provides an insightful commentary on the perils of super-mediation made possible by computer genius Bill Gates. Oliver succeeds most, though, in redirecting our attention to those personal delights that animate our daily lives and fund our happiness. —Patrick Shade

SMALL-TOWN STORIES

The Picture Frame and Other Stories by Robert Drake, BA'52, MA'53, Mercer University Press, 175 pp., \$23 hardcover

In this collection of autobiographical tales, Robert Drake takes us once again to the west Tennessee town of Woodville, a place that bears a striking resemblance to his own birthplace of Ripley. Drake, an English professor at the University of Tennessee-Knoxville, recreates a quiet, if quirky community where the women gossip at bridge games and the men swap opinions of FDR outside the courthouse.

Here no one bats an eye when an aging county judge is "retired by his family because they wanted to get him ready for Judgment Day." And it is Judgment Day that slowly enters these stories at the margins as the decades pass and the beloved begin to succumb to old age. Each funeral brings not only an erosion of the town's character but also a deepening sense of urgency for someone to chronicle the complex lives of these simple folk.

Drake answers this calling and, in the process, discloses his own bittersweet journey through small-town life at its twilight. Though *The Picture Frame* is not his finest collection, it holds his most intimate portraits. —Jon Parrish Peede

JOURNEY TO GROWNUP

Swimming in Sky by Inman Majors, BA'86, 241 pp., Southern Methodist University Press, \$19.95 hardcover

They are legion in America, adult children still living at home, the 20-somethings whose primary trait seems to be a complete lack of motivation. In *Swimming in Sky*, Inman Majors writes about Jason Say, an unemployed Vanderbilt graduate sleeping on Mama's couch in Knoxville.

He's a young man of intelligence, but not exceptional intelligence, of average appearance, of less-than-admirable morals, and with no outstanding skills or talents. And he has no job. Jason doesn't have much in the way of role models. His football star-uncle is dead, his mother is divorced, his friends are tending bar and sharing drugs with him.

So, Jason stands alone at a crossroads, unsure what the American dream is for a young man with no obvious destiny: "... the American dream like any other dream, cloudy with dark splotches

and suicide and divorce, and when do you open your eyes and say, this is all a sham." Or, "do you keep the blinders on and mow the grass." Or "do you put your foot down" and not listen to those who tell you "this is not enough."

In this, his first novel, Majors, a nephew of University of Tennessee football coach Johnny Majors, writes with admirable restraint, avoiding high drama, too-colorful descriptions and overly snappy dialog to give us a rings-true portrait of a modern young everyman coping with his entry into adulthood. The author lives in Tullahoma and teaches at Motlow State Community College. —Dan Gordon

LOVE AND WAR

Always in My Heart: The World War II Letters of Ann and Coleman Harwell, compiled and edited by Ann Harwell Wells, BA'58, MA'60, 304 pp., Hillsboro Press, \$19.95 paperback

Affection and respect abound in the wartime correspondence of Coleman "Colie" Harwell, editor of the *Tennessean* from 1939 to 1957 and later editor of the *Cookeville Herald and Citizen*, and his wife, Ann McLemore Harwell. They were a couple happy and comfortable in a world of words. Their daughter, Ann, a writer and publisher in her own right, carries on the family tradition, and in this volume presents a portrait of her parent's devotion to each other during separation brought on by World War II.

Written from 1943 to 1945, the letters put a practical and informative face on the war, both at home and abroad, but they also detail on paper the intricacies of a loving relationship that could at any moment be blown to bits by all-too-real bombs.

There is, in the context of that impending uncertainty, a sense of the importance of correspondence, of words exchanged and cherished. That importance is turned on its head when death marches through the home front rather than through Coleman Harwell's unit in Italy. The delay of correspondence to Italy following the deaths of Harwell's father and brother at home in Tennessee reminds the reader that it was not too long ago that communication was not an instantaneous occurrence.

Ann Harwell Wells lends a deft hand to shaping these letters—that were never meant to be anything more than correspondence between two people who loved each other—into a terse and compelling epistolary novel about the importance of love and home during worldwide crisis. The difference is that this story is true, and it had a happy ending. Coleman Harwell returned to his family just months before the Allies celebrated V-E day in May 1945. —Bonnie Arant Ertelt

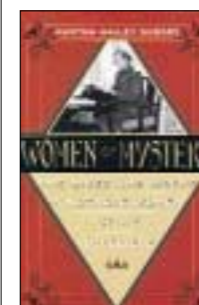
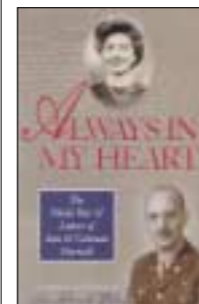
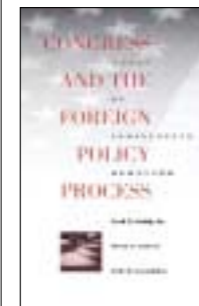
GLOBAL DECISIONS

Congress and the Foreign Policy Process: Modes of Legislative Behavior by Cecil V. Crabb Jr., MA'48, Glenn J. Antizzo, and Leila E. Saredidine, 280 pp., Louisiana State University Press, \$39.95 hardcover, \$24.95 paperback

How much say does the U.S. Congress really have in American foreign policy? Vanderbilt graduate Cecil V. Crabb Jr. and his colleagues Glenn Antizzo and Leila Saredidine ask this question in their fine new book. Their answer is: not much.

There was a time when Henry Clay and his fellow "War Hawks" could ignite the War of 1812. Indeed, for much of our history Congress dominated the making of our foreign policy. The fine print in the U.S. Constitution still provides that only Congress can declare war.

Yet, in this third century of our republic, Congress has long since ceded leadership on foreign policy to the President of the



United States. Although some members of Congress still cling to the illusion that the legislative branch consists of 535 "Secretaries of State," the executive branch makes almost all the important decisions. There was no Congressional declaration of war in the Persian Gulf or in the Balkans. There probably won't be one the next time American troops are sent into combat.

All this is ably assessed, historically and otherwise, by these political scientists, who identify what they describe as four "modes" or "models" of legislative conduct where foreign policymaking is concerned: Congressional assertiveness, Congressional acquiescence, bipartisanship, and, finally, what they describe as "the division-of-labor model" in which the legislative and executive branches *share* in foreign policy decision-making.

It is the last "model" that the authors see as accurately describing "the pattern of executive-legislative relations in foreign affairs about 75 to 80 percent of the time." In their view, this is the "norm" in the American foreign policy process today.

As they point out, the 1991 decision to go to war in the Persian Gulf is the best example of this "division of labor." Yet in truth it is the President who, invariably, takes the lead. Much of the reason for Congressional ceding of initiative in foreign policy can be traced to inattentiveness by many Americans to all but personal and local concerns. And when a member of Congress can serve for years—as I did—without once being asked by a constituent about bloodshed in the Balkans, starvation in Africa, or the global scourge of AIDS, what electoral incentive does Congress have for asserting its constitutional prerogatives in making foreign policy? Members of Congress generally spend most of their time on issues that most concern their constituents. Thus in foreign policy, the President leads, but often by default.

Crabb is professor emeritus of political science at Louisiana State University and author of several books on U.S. foreign policy. —Jim Bacchus

MAKERS OF MYSTERIES

Women of Mystery: The Lives and Works of Notable Women Crime Novelists by Martha Hailey DuBose, BA'68, with additional essays by Margaret Caldwell Thomas, BA'68; 437 pp. plus chronologies, references, resources, and index; St. Martin's Press; \$26.95 hardcover

Women of Mystery is a pleasure to read, a treat for all who indulge in what the author calls the "guilty pleasures" of reading mystery novels. DuBose, with a little help from Thomas, her 1968 Vanderbilt classmate, offers us a look into the lives of many talented women mystery writers: from Anna Catherine Green and Mary Roberts Rinehart to modern favorites P.D. James, Mary Higgins Clark, and Ruth Rendell.

The book, DuBose's first, has been nominated for an Edgar Award by the National Association of Mystery Writers, an Agatha Award by Malice Domestic, and an Anthony Award by Bouchercon, three of the highest accolades a mystery book can garner.

In *Women of Mystery*, DuBose combines extensive research into the lives of the writers with critical essays on their work, anecdotes, contemporary reviews and opinions, and some of their own comments. With sparkling prose, she relates the writers to their times, their personal lives, and, above all, to their books. She takes the reader from the beginning of the genre in the late 19th and early 20th centuries to today's modern period.

The book's final chapter briefly describes still other women writers of suspense. DuBose's lament, "So many mysteries; so little time," could be echoed by all those who love a mystery and who may also love *Women of Mystery*.

—Joanne Lamphere Beckham

ALUMNI NEWS

CLUBS IN ACTION

IN VANDY'S BACKYARD

Nashville Vanderbilt Club members dined at a southern buffet and heard colorful anecdotes from the history of Nashville's businesses during a March panel discussion held in conjunction with the publication of *Fortunes, Fiddles & Fried Chicken* by Bill Carey, BA'87.

Players from the legendary 1989-1990 Commodore basketball team returned to campus in February for a reunion in the Stadium Club with more than 350 Nashville alumni and friends.

DOWN SOUTH

Palm Beach/Broward County alumni enjoyed a palatable breakfast before viewing paintings from the palettes of 30 artists represented in *The Triumphs of French Painting: Masterpieces from Ingres to Matisse* exhibited in March at the Norton Museum of Art. Associate Professor of Fine Arts Robert Mode lectured on the 55 paintings from one of the most dynamic periods in Western art.

Following a March luncheon at La Madeleine and a lecture on World War II by Associate Professor of History Sam McSeveney, **New Orleans** alumni toured exhibits displayed at the D-Day Museum.

Baton Rouge alumni enjoyed conversation and libations during a March happy hour at the Fox & Hound Pub & Grille.

Huntsville Vanderbilt Club members went "LIVE!" at the Huntsville-Madison County Library in April to hear Inman Majors, BA'86, discuss his new book, *Swimming in Sky*.

They know him as the crooner of such musical hits as "Crocodile Rock" and "Goodbye Yellow Brick Road," but **Atlanta** alumni gained another perspective on Sir Elton John during an outing in January to the High Museum. After viewing the exhibition *Chorus of Light*, club members learned the British singer also owns one of the world's most extraordinary private collections of photographs. Professor Leonard Folgarait, chair of the fine arts department, lectured on selections from the 320 masterpieces comprising the singer's collection.

Reunion and Homecoming Unite in Fall 2002

■ What do you get when you combine two black and gold celebrations into one action-packed weekend? A Vanderbilt extravaganza—replete with a parade, tailgate party, football game, lectures, class parties, and campus tours.

Next fall, Reunion and Homecoming will be celebrated on the same weekend. After careful deliberations, the Alumni Association Board of Directors and the University's administration have decided to

move Reunion weekend from the customary spring date to fall.

A combination of these events on October 25-26, 2002, will offer many opportunities for alumni to return to a vibrant campus and see their classmates as well as students from all schools within the University. The Office of Alumni Programs promises plenty of class-specific activities for Reunion participants in addition to campus-wide Homecoming festivities.

ALUMNI GATHER FOR REUNION 2001

Campus was abuzz with 2,350 alumni and friends who returned to Vanderbilt June 1-2 for Reunion 2001. Reuniting alumni included 10 undergraduate classes ending in '1' and '6' plus Quinqs, alumni who graduated 50 years ago or more. Fred and Claudia Lummis, general chairs of Reunion 2001 and both BA'76, presented a check to Chancellor Gordon Gee for \$14,165,774. The check represented gifts and five-year pledges made by 2,275 alumni and exceeded the reunion fund-raising goal by more than \$1 million. More than 1,600 Quinqs contributed an additional \$12.7 million in gifts, pledges, and bequests. Top: Wayne S. Hyatt (left), BA'65, JD'68, hands the presidential reins of the Alumni Association Board of Directors to Stephen S. Riven, BA'60, during the Saturday luncheon. Riven is a principal in Avondale Partners, a Nashville investment banking firm. Top right: Jennifer McClennon, BS'96, and Janice Feagin Olson Britton, BSN'44, put their heads together during the Meet-the-Faculty cocktail hour. Right: Sandy M. Moore, A'51, enjoys a dance with his wife, Sue Ann Kaeser Moore, A'52.

To see more Reunion 2001 photos, visit www.vanderbilt.edu/alumni



IMAGES OF VANDERBILT

The Vanderbilt Bookstore is offering a new collection of 12 images of Vanderbilt, classic scenes ranging from Benton Chapel and Peabody Commencement to Kirkland Hall and Commodore football. Shown is an image called "Quiet Time" taken in the Peabody Education Library. The prints are available in two sizes, 8" x 10" or 11" x 14". For more information call 615/322-4438 or go to www.vanderbilt.edu/alumni, scroll down and click on Vanderbilt Bookstore, then Gifts.

Oops, We Goofed

"The report of my death was an exaggeration."

—Mark Twain

Due to a data collection error, the following alumni were erroneously listed in the 2001 *Vanderbilt Alumni Directory* as deceased. Vanderbilt deeply regrets the error.

James F. Arthur, BA'67
James C. Bethshares Jr., BA'56
Margaret Reynolds Dudley, BA'60
Webb C. Rizer Jr., E'52
William Ledford Stone, BA'66, MD'69
Charles M. Woodruff Jr., BA'66, MS'68

Dore2Dore Open for Business



■ Vanderbilt's new online community, Dore2Dore, has enjoyed an overwhelmingly favorable reception since its launch date of March 7. Thousands of alumni and current students have registered for the free services available to Commodores.

Members can update their alumni records, find a lost classmate, receive an online newsletter, establish a permanent e-mail forwarding account, get career advice, and search a directory of more than 100,000 Vanderbilt alumni. The most recent statistics from the Office of Alumni Programs indicate that 4,100 alumni have updated their online directory entries, 1,365 have signed up for e-mail forwarding, and 10,795 have registered as volunteers for the Commodore Career Connection.

If you haven't signed up, it's not too late. Becoming a member of the Dore2Dore online community can be accomplished in five easy steps:

• Go to www.vanderbilt.edu/alumni, the link to Dore2Dore.



LYNN GRADICK

UP NORTH

Alumni in **Boston** and **Washington, D.C.**, had the opportunity to hear Chancellor Gordon Gee share his vision for Vanderbilt in May at the Boston Harbor Hotel and the National Press Club.

New York alumni also hosted a "Conversation with Chancellor Gee" in April at the Warwick Hotel in midtown Manhattan. During May, Big Apple alums "tripped the light fantastic" during an Argentine Tango Party at the 92nd Street YMCA.

Pittsburgh club members performed a day of community service in March for the Greater Pittsburgh Community Food Bank.

The black and gold spirit was alive in February at the Rush Creek Sports Bar & Grille where **Columbus** alums gathered for a viewing party as the Commodores battled the Kentucky Wildcats.

HEADING WEST

The spirit of the wild, wild West descended upon **Dallas** club members in April when they gathered at the Seventeen Seventeen Restaurant in the Dallas Museum of Art to hear Associate Professor of Fine Arts Vivien Fryd lecture on American landscape painter Thomas Moran. After learning how Moran's depictions of Yellowstone and the Grand Canyon influenced Congress to establish the National Park System in 1916, alumni toured the *Thomas Moran and the Spirit of Place* exhibition.

Colorado alumni sported their black and gold on March 24 as they cheered the Lady Commodores to victory in their Sweet 16 game against Iowa State.

Seattle Vanderbilt Club members recently observed the refined aristocrats, business tycoons, and elegant ladies immortalized by artist John Singer Sargent in the March exhibition *The Sensualist* at the Seattle Art Museum. Alumni were introduced to Sargent's artistic legacy during a lecture by Vivien Fryd, associate professor of fine arts.

Kansas City alums paid tribute to Bacchus in March when they held a wine tasting party at the Classic Cellar.

Alumni in the City of Angels met in March at the Staples Center to watch the **Los Angeles** Kings ice the Colorado Avalanche 4-0.

ALUMNI ASSOCIATION SEEKS NOMINATIONS FOR DISTINGUISHED ALUMNUS AWARD

The Alumni Association of Vanderbilt University presents the Distinguished Alumnus Award to an alumnus or alumna whose extraordinary achievements have had a positive and significant impact on society. If you would like to place a name in nomination, please use this form or other written document with the information and mail to: **Stephen S. Riven, President, Alumni Association, Vanderbilt University, 117 Alumni Hall, Nashville, TN 37240**. Nominations are due by December 1, 2001.

Symbiosis on a Grand Scale

*Vanderbilt has enriched the lives of a hundred thousand living alumni.
In turn, your input keeps the University grounded and growing. Please stay in touch.*

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Four Corners (Tenn.-Ark.-Ky.-Mo.): Roy			

CLASS NOTES

News for this section should be sent to Nelson Bryan, class notes editor, Vanderbilt Magazine, VU Station B 357703, 2301 Vanderbilt Place, Nashville, TN, 37235-7703, fax: 615/343-8547, or e-mail: vanderbiltmagazine@vanderbilt.edu. Please include your degree, year, and, when applicable, maiden name. You also can send us news or update your address and other biographical information electronically through forms on the alumni home page at www.vanderbilt.edu/alumni.

REUNION OCTOBER 25-26, 2002

QUINO Rolla A. Nausley, DDS'22, lives in Murfreesboro, Tenn., at the age of 103 years. **Laurence Grossman**, BA'38, MD'41, was honored by Nashville's St. Thomas Hospital with the creation of the Laurence and Dorothy Grossman Chair of Excellence in Cardiac Research, the first of about 10 endowed chairs at the St. Thomas Clinical Research Institute. **William B. Hunter**, MA'39, PhD'46, continues his retirement in Greensboro, N.C., and publishes papers on John Milton and Shakespeare. In the spring, the South Central Renaissance Society established an annual lecture-ship in his name. **Al Whitman**, BA'39, JD'69, of Sylacauga, Ala., published a World War II novel, *As You Were*, under the pen name Whit Whitman. **Blair E. Batson**, BA'41, MD'44, was honored with the 2000 Humanitarian of the Year Tribute by the Epilepsy Foundation in Jackson, Miss. **Robert O. Bickley**, E'42, writes that he and his wife moved to Smyrna, Tenn., in November 1999 to be near their daughter, son-in-law, and granddaughter. "We find it an enjoyable community." **Ullin Leavell**, A'43, received the Honorary Alumnus Award from the University of Kentucky. A graduate of Duke Medical School, he established the dermatology section at UK in 1961 and served as associate professor of pathology and professor and chairman of Department of Medicine Division of Dermatology. **Janice Feagin Britton**, BSN'44, returned to Spanish Fort, Ala., in the summer of 2000 after serving with the U.S. Peace Corps in Zambia. "This was a marvelous opportunity to live with ordinary people in a culture quite different

Tom Allen AN AMERICAN ILLUSTRATOR

Country music star Marty Stuart was eight years old when he first encountered the artistic talent of Tom Allen, A'50. Stuart bought a copy of Flatt and Scruggs' Greatest Hits at a five-and-dime store in Philadelphia, Miss., and was captivated as much by Allen's cover illustration as by the bluegrass duo's music.

"It was the first time I'd ever seen anything other than a photograph on a record sleeve," Stuart writes on Allen's Web site (<http://thomasallen.com/about.html>). "I thought it was brilliant. It gave the musicians a kind of immortality. It truly was an eye opener for me to see Lester and Earl in color; we didn't own a color TV."

Allen went on to do illustrations for seventeen Flatt and Scruggs records as well as numerous others in country, gospel, and jazz. He also was a noted freelance illustrator for *Esquire*, *Sports Illustrated*, *Life*, *Look*, *McCall's*, *Colliers*, the *New Yorker*, plus CBS-TV and Columbia Records.

His work took him from the jungles of Nicaragua to the Nevada desert. In the latter locale, Allen spent three weeks in 1960 on the movie set of "The Misfits," doing *Esquire* illustrations of stars Marilyn Monroe and Clark Gable.

Directed by the legendary John Huston, "The Misfits" proved to be the final movie ever made by Monroe and Gable. Gable died of a heart attack two weeks after completing the film; Monroe died of a drug overdose nearly two years later. Also on the set was the movie's screenwriter, Arthur Miller, noted playwright and husband of Monroe.

Allen met the stars at a small cocktail party the evening he arrived. But he will never forget Marilyn's appearance on the set the next morning.

"Marilyn Monroe emerged from her dressing room trailer—white hair, white skin, red lips, white dress spotted with red strawberries, white shoes, and beneath a white parasol that protected her from the white hot desert sun that reflected off the white Nevada salt flats. She glowed."

Allen was commissioned by *Life* to do a series of paintings of Harry Truman to be used in the event of the former president's death. Allen went out to the Truman Library in Independence, Mo., to look at a multitude of pictures and material.

"I did the paintings but the only problem was that Harry outlived *Life*," says Allen. "Truman was still living when the magazine folded. So the very last issue of *Life* had three of my paintings of President Truman in a spread." Allen donated the paintings to the Truman Library, where they still are on display.

Allen, 73, a native Nashvillian who attended Vanderbilt's College of Arts and Science, has combined



Tom Allen, A'50, with a fan, country music star Marty Stuart

his art with academia since 1958, when he was hired to teach at the School of Visual Arts in New York. He also has taught at Syracuse University, where he was chairman of the Department of Visual Communications; Kansas University, where he served as the Hallmark Distinguished Professor for 12 years; and the Ringling School of Art and Design in Sarasota, Fla. He recently stepped down as head of Ringling's illustration department, but continues to teach there.

His first teaching assignment, however, came at Vanderbilt, where he was a scholarship football player. Marion Junkin, the only art professor at Vanderbilt at the time, became ill and selected Allen to teach the final six weeks of his studio art class, a rare compliment for a sophomore. After leaving Vanderbilt, Allen earned a degree in fine art from the Art Institute of Chicago and then spent two years as an officer in the Marine Corps.

Last year Nashville's Ryman Auditorium hosted a retrospective of Allen's work. An opening concert featuring Marty Stuart and Earl Scruggs raised \$9,000 for the Thomas B. Allen Scholarship at the Watkins Institute, where Allen began taking art classes at age 10. The Ryman exhibition is being reorganized for touring with the first show scheduled for Washington University in St. Louis in August and September.

Both Vanderbilt and the Cheekwood Museum of Art have held exhibitions of Allen's work and number his paintings among their collections.

"His work is as timeless as the music itself," Stuart says. "He is a master who can bring art to life in its most complex form, yet his genius is knowing how to present it in a way that even an eight-year-old child in a dime store can understand."

—Lew Harris

To see more of Allen's work, turn to the inside front cover.

than any I ever knew.” **Irwin Eskind**, BA’45, MD’48, a life member of the University’s Board of Trust and member of the Medical Center Board, received the Joe Kraft Humanitarian Award from the Community Foundation of Middle Tennessee. Eskind practiced internal medicine in Nashville from 1954 until 1996. He supports a number of Vanderbilt schools and programs, including the medical and nursing schools, athletics, Peabody College, Blair School of Music, and Vanderbilt Institute for Public Policy Studies. Also, he and his wife established the Annette and Irwin Eskind Biomedical Library at Vanderbilt. **David Scobey**, BA’45, received the Outstanding Football Official Award from the National Football Foundation and College Hall of Fame at the Waldorf-Astoria in New York last December. **Harold D. Murphy**, MA’49, EdD’62, of Commerce, Texas, was awarded the Truax Founders Award by the Texas Counselors Association. The award is given for contributions to the counseling profession in Texas and other parts of the nation. He is professor emeritus of counseling at Texas A&M University–Commerce. **Edward P. Ellington**, BE’51, writes that he is “restin’ in Destin,” Fla., with his wife of 50 years, Joanna. “Stop by and say hi.” **Robert M. Holder Jr.**, BE’51, was profiled in the December 1, 2000, issue of the *Atlanta Business Chronicle* for his 37 years as head of the Holder Corp. and its subsidiaries. **James M. Sloan**, BA’51, is a retired gynecologist in Little Rock, Ark.

Beth Stone, MA, continues to practice clinical psychology part time at the Southwestern Indiana Mental Health Center in Evansville. She also commutes to Nashville once a week to take a theology course at the Vanderbilt Divinity School “just for the fun of it.”

Dana Coggins, BA, wrote and published *Nine Lives—And Forty-Five Days That Changed Them* (Buy Books), a novel about a baseball team made up of six men, two women, and a boy. After practicing law for 40 years, he retired and lives with his wife on Pease’s Point in the village of Mattapoisett, Mass. **Rene Dudley Lynch**, BA, of Los Altos, Calif., published two companion books, *Rebel’s Rest Remembers: Sewanee Summers When We Were Very Young* (Proctor’s Hall Press) and *A Fernandina Folly: The Fairbanks Family in Florida* (The Shambles Press). The books are based on the memories of her mother and mother’s cousin when

VANDERBILT’S JACK LALANE

Carl Dudley Hewitt, Jr., BE’49, could be a spokesman for the President’s Council on Physical Fitness and Sports. The 78-year-old logs 500 push-ups a day along with a two- to four-mile walk. He rises at 4 A.M. and exercises for about an hour before breakfast, a routine he’s followed for “a long time,” he says. “I’ve been doing it for years, to the point now where I’m afraid to quit. Who knows what would happen if I did?” Hewitt, a chemical engineer with E.I. Dupont De Menours & Co. in New Johnsonville, Tenn., has not missed a day of work due to illness or injury for more than 56 years. His penchant for exercise rubbed off on one of his two daughters, who regularly runs marathons.



REYNOLDS

they spent summers in Sewanee, Tenn., and winters in Fernandina, Fla., as children at the turn of the century. **Robert A. Rutland**, PhD, of Tulsa, Okla., is editor-in-chief and contributor to *Chio’s Favorites: Leading Historians of the United States, 1945–2000*, published by the University of Missouri Press. The essays, one of which was contributed by Vanderbilt history professor Paul Conkin, begin with Bernard Baclyn and end with C. Vann Woodward.

Gerald E. Stone, BA, MD’57, of Pittsford, N.Y., was a pioneer in performing renal biopsies in the 1960s. The specific needle he used, the Franklin modification of a Vim-Silverman liver biopsy needle, was donated to the Smithsonian Institute’s National Museum of History, Division of Medical Sciences.

Paul H. Barnett, BA, MD’58, was appointed full clinical professor of medicine at Vanderbilt University Medical Center. As an undergraduate, he was a member of the varsity swim team, freshman basketball team, student senate, and marching band. He writes that he and his wife, Paula Kramer Barnett, are proud of their four grandchildren, all “very avid Commodore fans.”

Robert D. Fraley, MDiv, of Show Low, Ariz., writes that he celebrated 50 years of marriage to his wife, Ruth, with their four children, 10 grandchildren, and four great-grandchildren. “Hope to retire in the near future.” **William F. Sasser**, BA, a thoracic surgeon in St. Louis, was elected president of the Southern Thoracic Surgical Association for 2000–2001 and secretary of the Board

of Governors, American College of Surgeons, for 2000–2001.

Dorothy Evans Fisher-Campbell, BA, was profiled in the Dec. 4, 2000, edition of the *Greenwich Time* newspaper for her work as a portrait artist. A resident of Greenwich, Conn., her portraits are numerous in Greenwich; Westchester County, N.Y.; New York City; and overseas. **Edward C. Stevens**, BA, a member of the ’55 Gator Bowl football team living in Doswell, Va., and Naples, Fla., married Judge Nina Peace in March 2000. They were joined on their honeymoon in the Caribbean by other Gator Bowl team members. **Jack B. Turner**, BA, of Clarksville, Tenn., received the 2000 John Newton Russell Memorial Award from the National Association of Insurance Financial Advisors, the insurance industry’s highest individual award. He is president of Jack B. Turner & Associates.

E. Duncan Hamner Jr., BA, JD’64, retired in 1997 after 28 years as a civilian lawyer for the U. S. Navy’s Military Sealift Command (MSC). He also is a retired U. S. Naval Reserve captain (JAG Corps). He and his wife, Trish, live in Tallahassee, Fla., where he plays golf and consults for MSC.

George P. Ford, BE, became a fellow of the American College of Trial Lawyers. He is a partner in the law firm of Ford & Howard in Gadsden, Ala. **George L. Whitfield**, BA, LLB’63, an attorney in the Grand Rapids, Mich., firm of Warner Norcross & Judd, was named to the 2001–2002 edition of *The Best Lawyers in America* in the field of employee benefits.

Roger Beckham, BE, and **Carroll Chambliss**, BE, wrote the cover story in the International District Energy Association’s III-Q 2000 issue of *District Energy* magazine. Titled “Adelphia Coliseum: the NFL’s ‘Cool’ New Stadium,” the article describes how the Nashville thermal plant converts the city’s trash into energy and uses that energy to cool the 960,000 square feet of enclosed space in the stadium. **Joel Rochow**, BA, G’62, writes that he is enjoying retirement in Arlington, Va., after 22 years on assignments in Reykjavik, Iceland; Calcutta, India; provincial Vietnam; Warsaw, Poland; San Francisco; Yaounde, Cameroon; and Bangkok, Thailand.

REUNION OCTOBER 25–26, 2002

Lamar Alexander, BA, joined the board of directors of Beacon Education Management, a school management services company in Westborough, Mass. **Terry Foster**, BA, retired after 30 years of medical practice in Louisville, Ky. He and his wife of more than 38 years, **Virginia Aber Foster**, BA’63, divide their time between northern Wisconsin, Florida, and Louisville. Their daughter, Alexandra, practices law in Longview, Texas. Terry’s pursuits include sailing, golf, furniture making, and painting. **Brett W. Hawkins**, MA, PhD’64, of White Fish Bay, Wis., retired after 37 years as a college professor at Washington and Lee University, the University of Georgia, and the University of Wisconsin–Milwaukee. He is author of numerous publications in peer-reviewed professional journals and seven books. Listed in *Who’s Who in America* for the past 14 years, he currently writes short fiction. **Geneva**

Diana Coogle HER SIDE OF THE MOUNTAIN

When one realizes the pull of nature and the power of words to shape the soul, very little else in the way of material needs may be required. Diana Coogle, BA’66, who lives on the side of Grayback Mountain in the Siskiyou of southern Oregon, can attest to this.

Living in a home she built by herself in 1974 then expanded some years later, this writer, playwright, and teacher coexists in harmony with nature around her. In listening to the earth she finds a thread that weaves its way seamlessly between her life on the mountain and the creative nonfiction she writes.

“Those who knew me at Vanderbilt know that I’m not a very practical person,” laughs Coogle. “I wouldn’t have thought during my years at Vanderbilt that I’d be the most likely person to live alone up in the mountains.” But she has lived in her house now for more than 25 years, “and I love it,” she says. “This house suits me very well. Because I built it myself, I completely created my own space. People’s reactions to it when they visit are something like their reactions to me, because they’re really responding to an expression of my personality.”

The house began as a 10-foot by 12-foot room with a loft and skylights that she built by herself for \$300 in 1974. At the time, her son was two years old. As he grew, she added to the structure (this time with the help of a carpenter friend), and the 120-square-foot house became 500 square feet. She has no electricity, no refrigeration. She cooks on a propane stove, heats with wood, and showers outside. She does have a phone now, because, as she explains in the introduction to her book *Fire From the Dragon’s Tongue*, which was a finalist for the Oregon Book Award in

1999, “I thought that listening to the human world might be important, too.”

Cars, however, cannot make it to her home. “One of the special, poetic things about the house is that there have never been any vehicles around it at all. You have to walk to get here.”

If all this sounds as though Coogle is an austere woman, think again. She studies guitar with a former



student of Segovia, practices yoga, and teaches writing at Rogue Community College in Grants Pass, Oregon. She has written plays for children and adults, all of which have been produced, and continues to write essays, which she reads weekly on Jefferson Public Radio. It is most often through the essays that she communicates how she listens to nature through all her senses.

Her winter passion is cross-country skiing, and her summer passion—and the source for an upcoming book—is backpacking to and swimming in high altitude lakes. “I swam in Crater Lake last summer for more than 30 minutes and really felt the kind of at-oneness that

people talk about. These lakes are very blue and very deep. Most are glacier-fed, and to be in the middle of this very cold, blue lake with snow-covered peaks surrounding me was just ecstasy.”

Spring and summer near her home bring not only backpacking and swimming, but also tending to her steep, mountainside garden. “I have a lot of peonies and foxglove, Shasta daisies and daffodils,” says Coogle, “but I need to build a cage around my roses. The deer and I are coming to terms with what I can and cannot grow around here.”

—Bonnie Arant Ertelt

Johnson Sparling, MA, a retired elementary school teacher and assistant principal in Fortville, Ind., is helping raise her ten-year-old grandchild who attends the school from which she retired. She also was elected to the local school board. **Leah Marcile Taylor**, BA, a history professor at Wesleyan College in Macon, Ga., was named Georgia Professor of the Year in 2000 by both the Carnegie Foundation for

the Advancement of Teaching and the Council for the Advancement and Support of Education. **Linda Windrow Veirs**, MLS, participated in the groundbreaking ceremony for the new East Granby Public Library in Connecticut. She is director of the existing library and leads the fundraising and planning stages for the new facility. She and her husband, **James W. Veirs**, BS, MS’69, live in North Granby.

J. Thurston Roach, BA, was elected to the board of directors of Deltic Timber Corporation in El Dorado, Ark. He is president and CEO of HaloSource, a chemtech company in Seattle, Wash.

Lillian B. Clark, MAT, was named Citizen of the Year by the Campbellsville, Ky., Business and Professional

Women’s Club and selected “Phenomenal Woman of the Year” by the Louisville *Courier-Journal*, January 2000. She is an adjunct professor at Campbellsville University. **Richard Colson McCord**, BA, married Shalynn Mary Gillespie on Dec. 2, 2000. They live in Santa Fe, N.M., and Smyrna, Tenn.

Patrick G. Hogan Jr., PhD, is professor, emeritus, at the University of Houston. He was editor of *South Central Bulletin*, the official publication of the South Central Modern Language Association, for 15 years and was president of the South Central Renaissance Society and founder of the South Central College English Association. **Lola Llewellyn**, BSN, was honored at a surprise reception last September by the establishment of an endowed professorship at the Loewenberg School of Nursing at the University of Memphis. The professorship was established by

Methodist Healthcare. She is a long-time associate and vice president of nursing for Methodist Healthcare–Memphis hospitals. **Bob Pearson**, BA, was confirmed in June 2000 by the U.S. Senate as the U.S. Ambassador to Turkey. Previously, he had a three-year appointment to Paris, France, where Bob was deputy chief and his wife, Maggie, was embassy press spokesperson. **Rowena Porter Sewell**, BSN, was named president and CEO of Hospice of Rockingham County, a private, non-profit organization in Reidsville, N.C.

J. Randolph Humble, BA, was elected president of the Tennessee Trial Lawyers Association for 2000–2001.

He is an attorney with the Knoxville firm of Rainwater & Humble. **John McClellan Marshall**, MA, introduced American law to Polish academia when he started a series of four-week courses in American history and Constitutional law at the Marie Curie Skłodowska in Lublin, Poland. He also oversaw the creation of a local chapter of Phi Delta Phi International Legal Fraternity, which was named in his honor. He is a judge in the Fourteenth Judicial District of Texas in Dallas. **John Mazach**, BA, was named vice president and integrated project team leader of the new aircraft product support and services organization for Northrop Grumman’s Integrated Systems Sector, working with air-

borne early warning and electronic warfare systems located in Jacksonville, Fla. He joined Northrop Grumman in 1999 after serving in the U.S. Navy for 32 years and reaching the rank of vice admiral.

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'67 William C. Caldwell, BE, joined Hydraulic Energy Products in Denver in systems design, component sales, and distribution of fluid power applications.

'68 Joe Lena Collins, MA, EdS'75, a retired Nashville educator, was selected *Who's Who of American Women 2000* and as "Woman of Purpose" by the United Methodist Women-Belle Meade United Methodist Church. **George S. Drag-nich**, BA, is counselor for labor and social affairs and deputy chief of the economic section at the American Embassy in London and was promoted to the rank of minister-counselor in the U.S. Foreign Service. **Jim Fuqua Jr.** was elected mayor of Hendersonville, Tenn., in November 2000. **John H. Martin**, BA, was elected to the board of directors of the Defense Research Institute, the nation's largest association of civil litigation defense lawyers. He is a senior partner and head of the trial department at the Dallas firm of Thompson & Knight. **G. Patrick Maxwell**, BA, MD'72, a Nashville plastic surgeon, was named by *Town and Country* and *W.* magazines as one of the top plastic surgeons in the United States and world. **Steffen H. Rogers**, MA, PhD'69, was named 15th president of Bucknell University in Lewisburg, Penn. Previously he was vice president for academic affairs and provost at Clemson University. **David S. Williams**, BA, was elected secretary-treasurer of the Southern Association of Orthodontists. He has an orthodontic practice in Columbia, Tenn., with a branch office in Lawrenceburg.

'69 Diane Reese, BA, joined Data Management & Research in Nashville as national director of quality and client services. **Gene Shanks**, BA, president and CEO of NetRisk management software and advisory services company in Nashville, was appointed to the board of directors of The New Power Company, the first national residential and small business energy provider. **Thomas W. Sterling**, BE, was elected president and CEO of Transtar, a Monroeville, Penn., holding company that includes seven railroads, two

water carriers, and Great Lakes port facilities. **Steven A. Stinson**, BA, JD'72, joined the West Palm Beach, Fla., office of Gunster Yoakley as a member of the litigation department. **Bill Young**, BA, writes with a correction to a class note that appeared in the Fall 2000 issue of VANDERBILT MAGAZINE. He was honored in 1999 by the secretary of defense as an active-duty representative of the Vietnam War. Young received the Navy Cross for a combat rescue of a downed pilot in North Vietnam. The ceremony also honored many previous medal of honor winners.

'70 Samuel D. Sapp, A, is a member of the Georgia Pharmacy Association and the Academy of Pharmacy Technicians. He writes that he had a letter to the editor published in the November 2000 issue of *Smart Money* magazine. **Mary Fitch White**, BA, of Ann Arbor, Mich., published a novel, *Second Families*, available on the web at amazon.co.uk.

'71 Steve Dougan, BA, was appointed by the Lansing, Mich., city council as city clerk, filling out the remaining year of a four-year term. He is responsible for overseeing four elections during the year. **Howard C. Irwin**, BE, moved to Kingsport, Tenn., to work with Willamette Industries as construction manager. **Beth McCoy**, MME, last year was presented the Conductor's Award by the Johnson City Symphony Orchestra in Tennessee. She was chosen because of her contributions to the development, promotion, training, enjoyment, and appreciation of music. She is director of the East Tennessee Children's Choir. She also teaches private piano lessons, writes scores for choirs, organizes the Annual Handbell Extravaganza for the Virginia Highlands Festival, and is active in church music programs. **Robert B. Thompson**, BA, was named to the newly established endowed New York Alumni Chancellor's Chair at the Vanderbilt Law School. Previously he was a professor at Washington University School of Law and served as editor of *Corporate Practice Commentator*.

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'72 W. Ladd Bodem, BE, was named vice president of client services at Authoria Inc., a provider of Web-based human resource communication applications headquartered in Waltham, Mass. **David Tussey**, BE, joined the New York City office of Sapient, an Internet

solutions and e-business consultancy as a director. **Richard Wallman**, BE, senior vice president and CFO at Honeywell, was named to the board of directors of Breakaway Solutions, a full-service provider for e-businesses.

'73 Nancy Oliver Gray, BA, president of Converse College in Spartanburg, S.C., was named to the board of trustees at Princeton Theological Seminary in New Jersey. She was vice president of seminary relations at Princeton Seminary from July 1998 to June 1999. **Lydia Luttrell Grub**, MSN, an instructor of nursing at Aquinas College in Nashville, is author of *Doing Chemistry: A Story for Women* (1st Books Library, Bloomington, Ind.). **Paula Lovell**, BA, president of Lovell Communications in Nashville, was reappointed to a second three-year term on the Atlanta Fed's board and reappointed as deputy chairman of the board. **Dan Prince**, BA, is director of Self Taught Artists Resources in Franklin, Tenn. **Audrey Talley**, BA, was elected vice chancellor of the Philadelphia Bar Association and will head the organization in 2003. She is chair of the business law section at Drinker Biddle & Reath.

'74 Vivian Shipley, PhD, was presented a Southern Connecticut State University Faculty Scholar Award for her third book of poetry, *Devil's Lane*. She is a professor at the university and editor of *Connecticut Review*. **Harold Ivan Smith**, EdS, last December was a pulpit guest on Robert Schuller's "Hour of Power" television broadcast from the Crystal Cathedral in Garden Grove, Calif. He was interviewed for his work as a grief counselor and about his book, *A Decempered Grief* (Beacon Hill). A resident of Kansas City, Mo., he also wrote *Friendgrief: An Absence Called Presence* (Baywood). **Susan Vanhook Williams**, BA, was installed as president of the Shreveport Medical Society. She is an assistant professor of medicine at LSU Health Sciences Center and is board certified in internal medicine and rheumatology.

'75 Anthony A. Joseph, BS, a partner and co-chair of the white-collar criminal defense practice group at the Montgomery, Ala., law firm of Johnston Barton Proctor & Powell, is in the midst of a three-year term as an Alabama State Bar Commissioner for the 10th judicial district. **Bill Norton**, BA, JD'82, an attorney with the Nashville firm of Boul

Cummings Connors & Berry, was an adjunct professor of bankruptcy at the Vanderbilt Law School during the fall 2000 semester. **Thomas F. Parrish Jr.**, BE, MS'77, of Tullahoma, Tenn., married Angela K. Young on Sept. 30, 2000. **Marty Singer**, MA, PhD'77, was appointed president and CEO of Ultra Fast Optical Systems, an optical switching technology company with offices in New York City and Northbrook, Ill. **Daniel Surface**, BA, joined Nashville Public Radio as director of development and marketing. **Bruce Trimble**, BA, of Jacksonville, Fla., was promoted by SunTrust Bank to executive vice president and line-of-business manager of private client services for the North Florida market.

'76 David N. Jewell, BS, of Lexington, Ky., was promoted to IT specialist with IBM Corporation and continues to specialize in software performance testing analysis. **Creighton Michael**, MA, was featured in the January 14, 2000, edition of the *Greenwich Time* newspaper in Connecticut for his art show *Creighton Michael: Haiku/Innuendo*. He displayed paintings from both his Haiku and Innuendo series. He lives in Bedford, N.Y., and maintains a studio in New York City. **Suzanne Ortega**, MA, PhD'79, was named vice provost for advanced studies and dean of the graduate school at the University of Missouri-Columbia.

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'77 Susan W. Caro, BSN, director of the Family Cancer Risk Service at Vanderbilt's Ingram Cancer Center, received the Frances Williams Preston Award for Breast Cancer Awareness. **Patti A. Christensen**, BS, was appointed to the St. Johns County Court, Seventh Judicial Circuit, by Florida Governor Jeb Bush. She lives in St. Augustine. **Michael Goldston**, BA, president of Cambridge Equity Advisors in Nashville, was named one of "The 150 Best Financial Advisors for Doctors" by *Medical Economics*. **M. Williams Goodwyn Jr.**, BA, joined Birmingham-based Coca-Cola Bottling Company United as vice president and general counsel. **Ann McDaniel**, BA, was named senior director of human resources of the Washington Post Company. Previously she was managing editor of *Newsweek* and head of its Washington bureau. **Nancy Pierce**, BE, and her husband, Dennis, operate their own plastics ex-

trusion company with plants in Dallas and St. Louis. They live on a 450-acre ranch in Forney, Texas. **Gamiel Ramson**, BA, an attorney in New York City, and his wife, Amy Jocelyn, announce the birth of a daughter, Joëlle Nathalie, born on Feb. 11, 2000.

'78 Tom Alderson, BA, writing under the name T.A. Alderson, is author of *Subversion* (Broadway Books). He lives in Takoma Park, Md. **Michael C. McChesney**, BA, was profiled in the Oct. 13, 2000, edition of the *Atlanta Business Chronicle*. He is founder and president of WebTone Technologies, an e-business solutions company. **Peter Oldham**, BA, JD'82, an attorney with Harwell Howard Hyne Gabbert & Manner in Nashville, received the Chairman's Leadership Award from the YMCA of Middle Tennessee for providing exceptional leadership and service to the community. **Charles E. "Rick" Rule**, BA, joined the Washington, D.C., office of Fried Frank Harris Shriver & Jacobson as an antitrust partner. **Kurt Schmalz**, BA, JD'83, became a "name" shareholder in the Beverly Hills, Calif., law firm of Lurie Zepeda Schmalz & Hogan, a business litigation law firm.

'79 M. Hayne Hamilton Jr., BA, MBA'84, purchased Brandau Printing, an 88-year-old Nashville-based company. He bought the business from **Seawell J. Brandau**, BA'58. Hayne and his wife, Laura, have two children, Whatley, four, and Hayne III, three. **P. Steven Kratsch**, BA, JD'82, of Decatur, Ga., joined the national law firm of Kurak Rock and continues his practice in bankruptcy, finance, corporate law, and commercial litigation. **Joanna Ormiston Long**, MA, published her fourth novel, *An Artist Now Unknown* (Providence House Publications), about an artist in Renaissance Italy. She also is an artist and currently is at work on an illustrated songbook for children. She lives in Nashville. **Nancy Pellegrino**, BA, joined Mellon Private Asset Management in Seattle as a sales manager for the Pacific Northwest. **Brad Stach**, MA, director of audiology and clinical services at Central Institute for the Deaf in St. Louis, was appointed to the Missouri Commission for the Deaf by interim Missouri Governor Roger Wilson.

'80 Mark D. Arons, BA, of East Haven, Conn., married Audrey Craemer on Nov. 4, 2000. **Eric Butte**, BE, was promoted to director of system development at Space

Systems/Loral, designing commercial satellite systems and broadband Internet services. He, his wife, Karla Jo, and their daughter, Aubrey Anna, live in Cupertino, Calif. **Deborah Osborne Holtsclaw**, BS, was elected regional director of alumnae for Kappa Kappa Gamma fraternity for the Midwestern region of the country. She lives in Carmel, Ind., with her husband, Michael, daughter Susan, 12, and son Stephen, 15. **Terry W. Saltsman**, BS, joined the Nashville accounting firm of Williams Crosslin Sparks & Vaden as director of operations/information technology. **Steve Stuehrk**, BS, joined the Ft. Lauderdale-based FTTrust Co. as vice president of institutional sales for the midwestern region of the United States.

'81 Elizabeth Damato, BSN, joined the Frances Payne Bolton School of Nursing at Case Western Reserve University in Cleveland, Ohio, as an assistant professor. She is a specialist in neonatal nursing. **George Fandos**, BS, was named chief customer officer at Realeum, a provider of Web-based property management and asset optimization solutions for real estate owners and managers based in Alexandria, Va. **Ross Staine Jr.**, BA, was named a partner in the Houston law firm of Fulbright & Jaworski, practicing in the areas of project and commercial finance and corporate law.

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'82 William W. Horton, BA'82, and his wife, Judilyn, announce the birth of their third child, Lindsay Grace Horton, born on July 11, 2000, joining sister Denise, six, and brother Reid, five. They live in Birmingham. **Matthew Kisber**, BA, and his wife, **Paige Lowe Kisber**, MEd'92, announce the birth of a son, Harrison Lowe Kisber, born on April 14, 2000. They live in Jackson, Tenn. **Anita Timbrock Kontilis**, BS, and her husband, Jim, announce the birth of a son, Thomas Alexander Kontilis, born on Dec. 17, 1999, joining sister Karis, seven, and brothers Nikolas, five, and Lukas, four. They live in Houston. **Carol J. McDonald**, BS, works as a software engineer for Sun Microsystems in Burlington, Mass., after 13 years abroad in Germany, France, and Switzerland. **Juliann H. Panagos**, BS, joined the Houston law office of McGlinchey Stafford in the practice of labor and employment law. **Mike Walters**, BA, was named senior vice president of provider services at Parkstone Medical Information Systems, a Ft. Lauderdale-

based developer of handheld tools for physicians. **Jeanette Warner-Goldstein**, BA, JD'89, and her husband, Paul Goldstein, announce the birth of a son, Jerome Blakeman "Blake" Goldstein, born on Sept. 13, 2000, in New York City.

'83 Harry Campbell, BA, was promoted to CEO of uclick, an online syndication company in Kansas City, Mo. **Lisa Miller Makepeace**, BA, received an M.B.A. in December 1999 from the University of Richmond. She works part-time for the accounting firm of Deloitte & Touche as targeting coordinator for the global resources group, and keeps busy with her three children, twins Chandler and Austin, six, and Daniel, three. **Jerzy Patoczka**, MS, PhD'88, presented a photography exhibit, *Impressions from Four Continents*, last September at the Skulski Art Gallery of the Polish Cultural Foundation in Clark, N.J. **Sandy Severino**, BA, married Sheri Meryl Ptashak on Jan. 13, 2001. He is director of bond sales in Manhattan for Deutsche Bank Securities, specializing in Latin American bonds, and she is a vice president and director of investor relations for Citigroup.

'84 Laura Beth Warren Billings, BA, lost her husband, B. Welby Alexander Billings, to acute t-cell leukemia on Aug. 25, 2000. She lives in Dallas with their children, Sarah Caroline, eight, and Benjamin, four. **Tracy Ginter Bushkoff**, BA, and her husband announce the birth of daughter Rebecca Kathryn, born on July 4, 2000 ("our firecracker"), joining sister Jessica, four. They live in Arlington, Va., where Tracy is a self-employed psychotherapist. **John L. Feininger Jr.**, BE, and his wife, **Eleanor Lawwill Feininger**, BA'85, announce the birth of their third daughter, Ansley Eleanor, born on Oct. 9, 2000, joining sisters Sterling and Harrison. Eleanor is on a leave of absence from Georgia Pacific, and John was promoted to marketing manager at Kawneer Company. They live in Norcross, Ga. **Joseph Henderson**, EdD, was named to the Alabama A&M University Hall of Fame last summer. He was a track and field coach at AAMU where his teams garnered four national championships, 10 NCAA regional championships, 16 consecutive conference outdoor championships, and 11 consecutive cross country championships, with more than 50 All-Americans and several Olympians. **Marisa Longrais Human**, BS, and her husband, **David Human**, BA'81, an-

announce the birth of their second son, Stephen Antonio "Anthony" Human, born on Aug. 20, 2000, joining brother David, 10. They live in St. Louis. **Alexander Jackson IV**, BA, married Andrea M. Kirchgessner on July 29, 2000. He is a private investment fund manager for Whitney & Company in Stamford Company, and she is a senior technical designer with Ann Taylor of New York. **Michael Shepard**, BS, a geology professor at Bloomsburg University in Pennsylvania, was featured in *Press-Enterprise* newspaper for his creation of a goniometer, a device that will help NASA scientists determine what the surface of asteroids and other heavenly bodies is like. **Michael J. Zambetti**, BA, MBA'86, was promoted by First Union National Bank to senior vice president and site manager of the North Florida commercial real estate underwriting and portfolio management units. His wife, **Karen Thompson Zambetti**, BS, a substitute teacher in elementary school, stays active with their two daughters, "and is a terror on the tennis courts!"

'85 Robin Thomas Baskin, BS, and her husband, Robert, announce the birth of their first child, a son, Henry "Hank" Thomas Baskin, born on June 2, 2000. Robin resigned her position as program manager at St. Mary Villa in Nashville to be a full-time mom. "Hank has already attended three football games and Homecoming!" **Ann Boehlke**, BS, announces two releases in August 2000: the birth of son Josiah Mackinlay Polhemus on August 16, and the video release of "The Scottish Tale" on August 15, a movie produced by and starring Ann that was written and directed by her husband, Mack Polhemus. The video is available at Hollywood Video stores nationwide. **Whitney C. Broach**, BS, was named director of business development and process management at Hitachi Data Systems, a Denver-based provider of information technology infrastructure services and products to large organizations. **John Burchfield**, BS, and his wife, Mary, announce the birth of their third child, Elisabeth Erann Burchfield, born on April 9, 2000, joining brothers Michael and John. After working in the department of ophthalmology at the University of Rochester (N.Y.), John has accepted a position in private practice with Vision Associates in Toledo, Ohio. **Martin L. Craig**, BE, was promoted to district sales manager with Eli Lilly in Houston and promoted to the rank of commander in the U.S. Naval Reserves. **Margaret Douglas Hamilton**, BA, and her husband, Joe,

announce the birth of their fourth daughter, Mary Charles Hamilton, born on July 24, 2000, joining sisters Tillman, eight; Catherine, six; and Frances, four. They live in Atlanta.

Keith R. Haupt, BE, was named a partner in the Cincinnati law firm of Wood, Herron & Evans, practicing intellectual property law. "My other full-time pursuits," he writes, "include husband and father to two-year-old triplets (Bradley, Meagan, and Rachel)." **Eric T. Helman**, BA, was profiled in the Sept. 22, 2000, edition of the Tampa, Fla., *Business Journal*. He is president and CEO of SourceTrack, a business-to-business e-purchasing service for mid-sized companies and their suppliers. **Cynthia Green Higgins**, BA, and her husband announce the birth of a daughter, Claire Lane Higgins, born on Oct. 4, 2000. They live in Charlotte, N.C. **Kerri Woodberry**, BA, was profiled in the June-July 2000 issue of *Contemporaria* magazine. She is a plastic surgeon in St. Louis specializing in hand surgery and is an assistant professor of surgery in the division of plastic and reconstructive surgery at St. Louis University.

'86 Ashish K. Bahl, BE, and his company, CyberStarts, were profiled in the Oct. 13, 2000, edition of the *Atlanta Business Chronicle*. **Wende Gladfelter**

Gaikema, BE, and her husband, Jeff, announce the birth of their third son, Andrew David Gaikema, born on Jan. 18, 2000. They live in Glen Ellyn, Ill.

Brian Hopper, BS, a board certified Ob/Gyn, opened a new practice in Bartow, Fla. **Inman Majors**, BA, is author of *Swimming in Sky* (Southern Methodist United Press). See "Books," page 36. He lives in Tullahoma, Tenn., and teaches at Motlow State Community College. **Nancy**

Christensen Schultz, BE, and **Walter David Schultz**, BS, MBA'89, announce the birth of a son, Garrett Christensen Schultz, born on Oct. 31, 2000. They live in Nashville. **Maxine Kijek Sims**, BSN, and her husband, Craig, announce the birth of their second child, Conner Edward Maxwell, born on Aug. 25, 2000, joining sister Emily, three. They live in Dallas. **Courtney Allen Van Winkle**, BA'86, was named a shareholder in the Richmond, Va., law firm of Allen Allen Allen & Allen. She handles complex automobile and product liability cases. **Breck Wheeler**, BA, MBA'89, joined Baltimore-based Legg Mason Capital Markets as a managing director and senior analyst in the equity research department's sports, media, and entertainment group.

Heidi Ueberroth NBA STANDOUT

An all-American girl with a global perspective—that's Heidi Ueberroth, BA'87.

Ueberroth, 35, is executive vice president of Global Media Properties and Marketing, NBA Entertainment—the marketing and media arm of the National Basketball Association. She is the highest-ranking female executive in the four major professional sports leagues.

Her responsibilities are divided between overseeing the marketing partnerships (with sponsors such as Coca-Cola, Yahoo, and American Express) and worldwide television distribution for the NBA and the WNBA (the five-year-old women's professional basketball league).

Ueberroth's position with the sports organization combines two of her main interests—television and international business. Her love of far-flung climes dates back to her formative years, when her parents were involved in the travel industry. They gave their middle daughter a vision of the world as marketplace. Her interest in sports also comes naturally, as her father, Peter Ueberroth, once served as commissioner of major league baseball and was head of the 1984 Olympics in Los Angeles.

After graduating from Vanderbilt with a degree in English, she took a job in Paris, marketing the men's professional tennis tour for Ohlmeyer Communications. In 1993, ESPN/Capital Cities bought that com-



pany, and the following year she was "drafted" by the NBA as director of international media programs.

Although she never donned a basketball jersey for Vanderbilt, the fit and focused California native knows her way around the sport and around the globe. "Susan Wiltshire [classics professor] once told me that everyone should travel around the world before the age of 25," she says. "Tell her it's taking me a little longer, but I'm getting there." And indeed she is—from Hong Kong, Sydney, and Paris to Warsaw and Mexico City.

With a television presence in more than 200 countries and offices in 15, the NBA is deluged with requests to enter more countries. "We're seizing the opportunities as fast as we can," says Ueberroth. In fact, the number of television networks carrying NBA games and special features has doubled since she came on board in 1994.

These days, there's nowhere she can go without bumping into the NBA. She remembers a side trip several years ago to Guilin, China. A young guide there welcomed her to the "sister city to Orlando, home of the Orlando Magic and Shaquille O'Neal." Says Ueberroth, "I was looking around at my bags for an NBA-something sticking out, but no, that was just how he greeted all his guests. He was proud of that connection."

It's just more proof that Heidi Ueberroth is doing her job. —Judith DeMoss Campbell

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'87 Dan Bean, BA, was profiled in the Oct. 20, 2000, edition of the *Financial News and Daily Record* in Jacksonville, Fla., as a law clerk for U.S. District Court Judge John H. Moore II. **Chris Crain**, BA, was profiled in the Oct. 11, 2000, edition of the *Atlanta Constitution* as editor and co-publisher of *Southern Voice*, an Atlanta-based gay and lesbian newspaper. **Todd Foster**, BA, joined HQ Global Workplace in Dallas as vice president of e-commerce development. **Celia Waddell Leggett**, BA, and her husband, Paul, announce the birth of their fourth child, Grace Anne, born on Sept. 22, 2000, joining sisters Caroline and Christen and brother Matthew. They live in Houston. **Felicia Rose Marockie**, BS, married Michael Jay Fisher on Oct. 21, 2000. She is regional vice president of sales and marketing for Loews Hotels, and he is president of Allied International. They live in Scarsdale, N.Y., and New York

City. **Michael D. Marselli**, BA, was appointed by Los Angeles-based Informa Research Services to lead their newly formed Syndicated Business Market Research division. **Cathy Morello Miller**, BA, and her husband, Robert, announce the birth of their fifth child, Katherine Elizabeth, born on Oct. 17, 2000, joining sister Lauren and brothers Douglas, Christian, and Craig. They live in Darien, Conn. **Gail Stenstad**, MA, PhD'88, was appointed chair of the East Tennessee State University department of philosophy and humanities. **Dwight Turner**, BE, his wife, Elizabeth, and their children, Julia and Eric, relocated from San Diego, Calif., to West Palm Beach, Fla., where Dwight joined Infineon Technologies as a senior field sales engineer covering Motorola cellular phone design in South Florida and Ft. Worth, Texas. He also is a lieutenant commander in the Naval Reserves and says "hello to both the '87 engineering school and ROTC graduates."

'88 Ian Burnett, BS, and his wife, Jane, announce the birth of a son, Colin James Arthur Burnett, born on Dec. 21, 2000. They live in Atlanta. **John J. Burton**, EdD, is the principle author of *Hypnotic Language: Its Structure and Use* (Crown House, Whales, U.K.). He has a private counseling practice in Greenville, S.C. **Paul Collins**, BE, and his wife, Valerie, announce the birth of their first daughter, Anna Meredith, born on Sept. 22, 2000. They live in Bridgewater, N.J., and Paul is a research fellow for Merck & Co. **Cathy Gordon Cutler**, BSN, and her husband, Jim, announce the birth of a daughter, Katherine Elizabeth, born on Sept. 8, 2000, joining brothers Jamie and William. They live in Winter Springs, Fla. **Rebecca Edwards Dugan**, BS, and her husband, Bob, announce the birth of their third child, Samuel Monaghan Dugan, born on March 30, 2000, joining sister Madeline, five, and brother John, two. They live in Nashville.

A HERO TO WOMEN

For her successful work in helping women escape the dangerous cycle of chemical dependency and prostitution, the Rev. Becca Stevens, MDiv'90, was named Nashvillian of the Year 2000 by the *Nashville Scene*. Stevens serves as executive director of the Magdalene project, a nonprofit organization dedicated to providing sanctuary, support services, and educational opportunities to women with a criminal history of drug abuse and prostitution. Magdalene's residential program provides long-term and secure housing as a haven from the social and economic factors that drive women to prostitution. In addition to providing transitional housing and meals for up to two years, Magdalene services include chemical dependency treatment, technical training and tuition assistance, legal support, medical and dental assistance, and transportation. Stevens also serves as Episcopal chaplain at St. Augustine Chapel on the Vanderbilt campus.



ERIC ENGLAND

Kendra Lynn Farn, BA, married Noah Robert Finz on December 30, 2000. She is a correspondent for WCBS-TV in New York City, and he is sports director and anchor at WTNH-TV, the ABC affiliate in New Haven, Conn. **Anne Hyman**, BS, married Stuart Aaron Fierman on June 17, 2000. They live in Atlanta. **Walt Massey**, BS, writes that four Vandy engineering graduates serendipitously wound up at the project team meeting for the construction of the new Vanderbilt Children's Hospital. Joining Massey at the meeting were **Scott Johnson**, BE'87, **Don Jost**, BE'65, and **Jim Stephenson**, BE'77. **Todd Miller**, BA, is managing director of pan-Asian television for Sony Pictures, AXN, in Singapore, a channel focused on action/adventure. "We see ourselves as adventurous, irreverent, and daring, and current projects include 'Action Babes' and the Eco-Challenge." Anyone who will be in that area of the world can reach him at Todd.Miller@spe.sony.com. **Rebecca Horton Penovich**, BA, was named director of brand communications at Maryland Public Television. **Ivan J. Reich**, BA, JD'88, was made a shareholder in the Ft. Lauderdale law firm of Becker & Poliakoff. **Shawn A. Taylor**, BA, married Eugenie Honore Provosty on Nov. 11, 2000. They live in Charleston, W.Va. **Jane Vaden Thatcher**, BA, was elected to serve on the board of directors at the Savannah Bank in Georgia. She is general manager at Dan Vaden Chevrolet-Oldsmobile.

'89 Jennifer Oldham Hatcher, BA, and her husband, Christopher, announce the birth of a daughter, Caroline Webb Hatcher, born on June 21, 2000. They live in Arlington, Va. **Laura Ferman Farrior**, BA, and her husband announce the birth of their third child, a son, Wyatt John Nunnally, born on Feb. 17, 2000. In December, Laura ran her first marathon. They live in Tampa, Fla. **Laura Mazar Meanwell**, BE, and her husband, Mark, announce the birth of their second child, Jeremy Ian, born on Dec. 5, 2000, joining brother Cameron Alan, two. They live in Memphis. **Jodi Carpenter Nevels**, BS, and her husband, Chris, announce the birth of their third daughter, Parker Grace, born on Nov. 10, 2000, joining sisters Avery, five, and Carson, three. They live in Suwannee, Georgia. **Jennifer Hood Peppers**, BA, returned to her hometown of Franklin, Tenn., to work as a general surgeon with Franklin Surgical Specialists. She attended medical school and general surgery training at Tulane University and spent a year in London training in laparoscopic surgery. **Jim Philip**, BA, was named a partner with Thomas Weisel Partners, a San Francisco-based merchant bank. **Palmer Pillans**, BA, was named an associate with the Nashville law firm of Miller & Martin practicing in estate planning, probate and taxation, and corporate law. **Tina Hayes Wilkinson**, BA, and her husband announce the birth of their first child, Benjamin Jordan Wilkinson, born on July 5, 2000. They live in Dunwoody, Ga.

'90 Brian J. Donnelly, BA, was named life and disability sales manager for the Nashville and Memphis territories by Prudential Group Insurance. **Stephen D. Hurd**, BA, JD'99, joined the Nashville law firm of Sherrard & Roe as an associate in the areas of health care and corporate finance. **Stephen LaMastra**, JD, was promoted to executive vice president and general counsel of Atlanta-based Wolf Camera. **Kelly Cambias Miles**, BA, and **David Miles**, BA, announce the birth of their second child, Patrick Gaffney Miles, born on Oct. 4, 2000, joining sister Sarah Jane. They live in Atlanta. **Karen Napoli Schulz**, BS, and her husband, Garth, announce the birth of their second child, a daughter, Ainsley Jane, born on August 1, 2000. They live in Rye, N.Y. **Samantha Gerow Stichter**, BS, and **Michael Stichter**, BA, announce the birth of their second child, John Stanford Stichter, born on May 26, 2000, joining brother Andrew, three. Samantha and Michael run Oak Inheritance, a Web-based children's furniture retail store. **Gail Burke Tway**, BS, and her husband, William T. Tway, announce the birth of their second child, William Burke Tway, born on July 12, 2000, joining sister Lily, three. They live in Louisville. **Jeffrey Ullom**, BA, finished a doctorate at the University of Illinois and joined the faculty at Vanderbilt's theatre department. **Jennifer Plisky Vido**, BS, and **Durbin Paul Vido**, BA'88, announce the birth of a son, Samuel Paul Vido, born on Dec. 28, 2000. They live in Bel Air, Md. **Michael A. Voigt**, BA, was promoted to vice president, invest-

ments, at the Venice, Fla., office of Raymond James & Associates. He and his wife, Lisa, have three children: Megan, 10; David, six; and Tara, four. **Heather Weller**, BA, and her husband, Jeff, announce the birth of their first child, Laurel Anne, born on Sept. 9, 2000. They live in Petaluma, Calif. **Alan Willig**, JD, is employed by WEST GROUP in New York City, a legal software and online services marketing company.

'91 Katrina Gwinn-Hardy, MD, works as an assistant professor of neurology at the Mayo Clinic Jacksonville (Fla.) studying the genetics of Parkinson's disease with her husband, John Hardy. She is the "proud mother of three stepchildren." **Jill Bensonhaver Healey**, BA, and **Mike Healey**, BA'92, announce the birth of their first child, Brendan Cole Healey, born on Aug. 1, 2000. They live in Lexington, S.C. **Julie Cox Kennon**, MD, and **Jerry Kennon**, MBA'95, announce the birth of their third child, Cole Everett, born on Sept. 3, 2000, joining sister Isabel, four, and brother Will, two. They live in Nashville. **Scott Allen Rhodes**, BS, married Christina Adams Meza on Oct. 21, 2000. They live in Nashville. **Leslie Turner Schuster**, BS, MBA'93, and her husband, James, announce the birth of their first child, Lucille Elizabeth, born on June 15, 2000. They live in Delaware, Ohio. **Kristen Ann Steele**, MBA, married Kurt Adam Schilling on May 20, 2000. They live in Hamden, Conn. **Kate Malone Stout**, BA, and her husband, Richard, have twin sons, born on Dec. 27, 2000. They live in Nashville. **Frances DeLaGarza Thompson**, BA, and **Davison Robert Thompson**, BA, announce the birth of Dorothy Joiner Thompson, born on Jan. 18, 2001, joining brother Davison Thompson. They live in St. Louis. **Kelly D. Turney**, MDiv, assistant director for equity at Emory University in Atlanta, compiled and edited an eumenical book of inclusive worship resources entitled *Shaping Sanctuary: Proclaiming God's Grace in an Inclusive Church*, published by Reconciling Congregations Program in Chicago. **Lydia Arnold Turnipseed**, BA, and her husband, Terry, announce the birth of their first child, Lucile Mae, born on Aug. 27, 2000. They live in Washington, D.C. Lydia writes that she ran into her Pi Phi little sister, **Mary Burwell Espy Schorr**, BS'92, last summer.

92 Christopher Barbic, BS, creator of the YES College Preparatory School in southeast Houston, was named one of America's Best Young Community Leaders by *Rolling Stone* magazine and Do Something, a national youth leadership organization. He was recognized at an awards ceremony in New York City and received a \$10,000 grant. **Leah Krauth Bentley**, BS, and **Eric Jason Bentley**, BA, celebrated their sixth wedding anniversary in September 2000. Eric is the director of operations of Turnberry Homes in the Brentwood/Franklin, Tenn., area, and Leah opened her own business, Social Graces, a store specializing in invitations, stationery, and entertaining accessories. **Stephen Russell Berry**, BA, MEd'94, is pursuing a Ph.D. at Duke University. He and his wife, **Dana Thomas Berry**, BS, MEd'93, had their second child, Stephen Russell Berry Jr., on May 30, 2000. They live in Durham, N.C. **Chris Eades**, BA, and **Nicole Clark Eades**, BA'93, announce the birth of their first child, a daughter, Alexandra, born on Sept. 28, 2000. Chris is an equity analyst at UBS Warburg in New York, and Nicole works at Camilla Dietz Bergeron Ltd., a New York antique and estate jewelry firm led by **Camilla Dietz Bergeron**, BA'64, a Vanderbilt trustee. The Eades live in Darien, Conn. **Emily Claire Eddins**, BA, married William Lance Conn on April 22, 2000. They live in London, England. **Jay Frein**, BA, and **Elizabeth Goodwin Frein**, BS, moved to Nashville from Chicago. Jay works for Fisher Investments in sales, and Elizabeth is an art teacher at Walnut Grove Elementary School in Williamson County. **Katherine Kemp**, BA, married **Dean Collis**, BA'91, on Oct. 21, 2000. (Homecoming weekend) in Nashville. They live in Louisville, where she is a human resources manager for Tricon Global Restaurants, and he is a physician practicing pain management anesthesia. **Jennifer Clayton Kolar**, BA, and her husband, Alan, announce the birth of a son, Clayton Edward Kolar, born on August 1, 2000. They live in Atlanta. **Valerie Lightfoot**, BA, and **Warren Lightfoot**, JD'91, announce the birth of their third child, first daughter, Valerie Bennett, born on Jan. 12, 2001. They live in Birmingham. **Beth Lucas**, BS, and **Todd Lucas**, BS, announce the adoption of their daughter, Sydney Romdoeul Collins Lucas, from Cambodia on June 5, 2000, joining brother Jackson, two. They live in Barrington, R.I. **Malia Gaye**

McKinnon, BA, married David Robertson Frame on Oct. 16, 1999. She works for Ivillage in London, England. **Katie Shasteen Proctor**, BA, and **Collins Proctor**, BA'91, announce the birth of a son, LeRoy Collins Proctor Jr., born on Sept. 6, 2000. They live in Atlanta. **Greg Shockro**, BA, and **Herb Allen**, BS'94, last November celebrated the third anniversary of The Trace, a Nashville restaurant they established that generates annual revenues of more than \$2.4 million. **Susan B. Steelman**, BA, JD'95, joined the Nashville law firm of Greenbaum Doll & McDonald as an associate in the health care and insurance practice group and corporate and securities practice group. **Kimberly A. Sullivan**, BA, MBA'97, was named vice president of marketing at Transcender Corp. in Nashville. **Jay Turner Jr.**, BA, JD'99, was named a partner and assistant development director at Marketstreet Equities Company, a private investment firm located in Nashville. **Walter L. Woodrick**, BS, and his wife, Wendy, announce the birth of their first child, Whitney Lauren Woodrick, born on Oct. 15, 2000. They live in Panama City, Fla.

93 Tanya Capeling, BS, and **Curtis Capeling**, JD, announce the birth of a son, Maximilian, born on July 18, 2000, joining sister Madison, four. They live in Nashville. **Jennifer Farnette Caver**, BA, and her husband, Giles, announce the birth of twin sons, William Albert and Henry Adam, born on July 8, 2000. They live in Charlotte, N.C. **Catherine Christie**, BS, a physician in internal medicine with Eastern Shore Rural Health in Franktown, Va., received a Board of Internal Medicine Certification. **Youndy C. Cook**, BA, is an associate at the labor and employment law firm of Ford & Harrison in Tampa, Fla., and was co-editor of *Wage and Hour Answer Book*. She writes that she enjoys getting together with "my friend and fellow alumna. **Holly Hammette Mann**, BA." **Allison Withers Edwards**, BS, MEd'94, is an associate with the Austin, Texas, office of Fulbright & Jaworski, in the practice of intellectual property and technology law. **Mary Fowler**, BS, and **Chad Fowler**, BE, announce the birth of a daughter, Claiborne Parke Fowler, on Aug. 10, 2000. They live in Charlottesville, Va., where Mary is an assistant professor and Chad is a systems analyst. **Dorothy Elizabeth Friedrichs**, BA, married Travis Todd Curtis on Oct. 28, 2000. They live in Nashville. **Frederick William Fuller IV**, BS, married Kristin Lynn Alfano

on May 20, 2000. They live in Hoboken, N.J. **Krista Renee Kuhnert**, MSN, married James Vincent Gainer III on Oct. 27, 2000. They live in Nashville. **Joseph William Lester III**, BA, married Lisa Hunt Parker on Oct. 7, 2000. They live in San Francisco. **J. Rowanne McIntyre McKnight**, BA, writes that she moved back to Nashville with her husband, **Jay McKnight**, MBA'97, and their one-year-old son, James. **Monica Ann Robilio**, BA, married **Trevor J. Dean**, MBA'97 on Oct. 7, 2000. They live in Boulder, Colo. She completed a master's degree in museum studies at San Francisco State University. **Scott Seder**, BA, of Chicago, writes that **Troy Duncan**, BA, and **Jennifer Gries Duncan**, BA, had their first child, Elizabeth Duncan, born on Oct. 12, 2000. "the same day that Troy Duncan turned 30 years old! What a great birthday present." **Sarah Townswick**, MBA, and **Donald Townswick**, MBA'92, announce the birth of their first child, Charlotte Margaret Elise Townswick, born on Dec. 8, 2000. They live in Wethersfield, Conn. **Bill Trocchi**, BA, and his wife, **Amy O'Dell Trocchi**, BA, announce the birth of a son, Tyler Samuel Trocchi, born on Oct. 8, 2000. They live in Nashville where Bill works with smallbusiness.com with numerous other Vanderbilt alumni.

94 Charlotte Christine Ecker, BS, married Frank Michael Davis Jr., on Oct. 14, 2000, at her parents' home in Purcellville, Va. The couple lives in Chevy Chase, Md. **Hill Ferguson IV**, BA, MBA'00, married Genevieve Mitchell Frazer on Oct. 9, 2000. They live in San Francisco. **Alan Haguewood**, BA, JD'98, and his wife, Vickie, announce the birth of a son, Elias "Eli" Graham, born on March 31, 2000. They live in Memphis where Alan works in house at FedEx. **Katherine Johnson**, BS, MEd'95, writes that after five years of teaching middle school and high school science in Alabama and New Jersey, she is working toward a master's degree in geology at Ohio University in Athens. She specializes in sedimentology and paleontology and spent the summer in Utah looking at Flagstaff limestone. **Kevin P. Kimery**, BA, joined the Nashville law firm of Waller Lansden Dortch & Davis as an associate in the area of general business transactions. **John L. King**, BA, was awarded a Ph.D. in economics from Vanderbilt in December 2000, "bringing roughly a decade in Nashville to a triumphant finish." **Mark Mikesell**, BS, and his wife, Season, announce the birth of a

daughter, Delanie Skye Mikesell, born on Dec. 22, 2000. They live in Geneva, Ill. **Patricia Wade Eichner Mouer**, MDiv, was ordained as an Episcopal priest on Dec. 9, 2000, in Asheville, N.C., where she lives with her husband, Joe, and two sons. **Dave Sugg**, BA, married Julie Bonner on Dec. 1, 2000. **Bryan Tharpe**, BE, and **Mark Miklis**, BE, were groomsmen. **Honey Taylor**, BA, married Jed Nachman on Oct. 21, 2000. They live in New York City.

95 Nancy Austin, BMus, married Steven Patterson on Oct. 7, 2000. They live in Memphis. **Elizabeth Bannan**, BA, was featured in the Sept. 25, 2000, edition of the *Marin Independent Journal* newspaper in Novato, Calif., for choosing a career as a high school English teacher. **Edward Chin**, BS, married Melanie Dorado on Nov. 11, 2000. At the wedding were **Courtney Chan**, BS, and **Minh Huynh**, BS. The couple lives in Allen, Texas, and Edward practices law at Fred Misko Jr. **Heather O. Hale**, BS, of Nashville, was named production controller and quality assurance chemist at Quality Systems for Permacrete's product line and development. **Michael Kula**, BA, married Meagan Ivers on Sept. 3, 2000. They live in Boston. **Jennifer Adams McArthur**, BA, and her husband, Jason, announce the birth of their first child, William Jackson, born on July 31, 2000. They live in Boca Raton, Fla. **John Stephen Moody Jr.**, BA, married Rachel Janece Poinsett on Oct. 7, 2000. They live in Houston. **Sepand Moshiri**, BS, is a health care representative with Pfizer in Houston. **Andrew Murr**, MS, transferred from Nashville to the Birmingham office of Barge Waggoner Sumner & Cannon as an environmental engineer. **Doak Procter IV**, BS, joined the Houston office of Fulbright & Jaworski in the international law firm's intellectual property and technology department. **Barbara McBain Sniezek**, BA, of Nashville, writes that she had a great time running the New York marathon last November with **Michelle Lambert**, BS'94, and **Sharon Russ**, BS'94. Barbara adds that she is "moving to Oahu, Hawaii, in the summer of 2001." **Tricia A. Thornton**, BA, is pursuing a Ph.D. in neuroscience at Vanderbilt. **Richard J. Wallace III**, BA, married Elizabeth Ann House on June 17, 2000. He is an attorney at the Dallas firm of Passman & Jones, and the couple lives in Addison, Texas. **Robin Bicket White**, BA, JD'98, joined the Nashville law firm of Mendes & Gonzales as an associate in the practice of commer-

Denise Lasprogata BLIND AMBITION

In 1990, Denise Lasprogata's close high-school friend lost her sight in a car accident and went from doling out fashion tips to relying on others to help her dress. Although an estimated 8.5 million Americans are legally blind or sight impaired, Lasprogata, BA'95, discovered that no system had ever been developed to help these individuals make independent decisions regarding their clothing choices. She decided to change that.

After several years of research on properties of various papers and plastics, Lasprogata has patented a clothing label that identifies the color and fiber content of a garment and provides care instructions in both Braille and raised letters. The labels are produced on a specially coated plastic paper that is washable, withstands the heat of a clothes dryer, and is nonabrasive to skin.

Her small product's big idea has made Lasprogata a pioneer in the fashion industry.

"The blind population is one that has been overlooked," says the Philadelphia native. "Dressing rooms have to be handicapped accessible, but where are the products and services for the blind? No one's called attention to it."

In 2000 Lasprogata moved to New York City and launched her own company, DEE DEE (her nickname), offering a signature line of women's dresses and casual wear that features her patented labels. The labels are manufactured by the Brooklyn Association for Retarded Citizens, which employs disabled adults and, says Lasprogata, "reinforces the point of the product line, which is the promotion of independence."

"Clothing has always been a problem for me," explains Rachel Graff, a blind East Village resident and one of Lasprogata's consultants. "First you have to have someone tell you the color, then you have to manually make your own labels. Nothing beats having a washable tag already sewn on the clothes."

Already the DEE DEE line is being sold in Manhattan's high-end department store Henri Bendel's, as well as in trendy boutiques in New York, Los Angeles, and Philadelphia. A Web site, www.deeedeet.com, is also in the works.

"My Vanderbilt psychology degree—particularly courses in cognitive psychology and perception—

cial, business, and bankruptcy law. **Alison Wille**, BS, was the 2000-2001 recipient of the Charles T. Lebovitz Award at Tuck School of Business at Dartmouth College in Hanover, N.H. The award recognizes outstanding contributions to the daily life of the school. **Robin Crews Wilson**, BS, serves as an ordained United Methodist minister at First United Methodist Church in Montgomery, Ala. **Brittany Windsor**, BA, married Robert Harrell on Sept. 9, 2000, in

Atlanta. Among the Vandy grads in attendance were matron of honor **Beth Moore Bender**, BS; bridesmaids **Kristen Gahagan Weber**, BA, **Mimi Addicks Decker**, BS, and **Nanette Thompson**, BA; and scripture reader **Molly Henneberg**, BS. The couple lives in Atlanta where Brittany works at Deloitte Consulting, and Robert is a manager in e-procurement consulting at i2 Technologies. **Ernest C. Woodward**, BE, attends graduate school at MIT, studying ocean engi-

neering and electrical engineering. He earned a master's degree in electrical engineering from Georgia Tech in 1996.

96 Philip Atteberry, BE, married Mary-Audrey Proups on Sept. 23, 2000. They live in Chicago. **David Bazy**, BA, joined the Houston office of Fulbright & Jaworski in the international law firm's health law litigation department. **Stacey Carstens Bell**, BA, and her husband



Denise Lasprogata (right), with consultant and customer Rachel Graff, displays separates from her clothing line that conveys sequined messages in Braille.

really gave me the tools I needed to interpret a visual world into a tactile world," says Lasprogata, who reads Braille by sight and spent five years volunteering as a personal shopper for the blind. "I am better able to understand how the mind works to perceive, whether it's through sight or without sight."

Lasprogata hopes her clothing line will encourage major designers and retailers to adopt her tag technology, and she also is lobbying for government-mandated Braille labeling.

"This is more than simply a trendy idea with civic interest," she urges. "For the blind, Braille is a functional necessity. These tags are opening exciting new doors for them."

—Phillip B. Tucker



Lasprogata's clothing labels are made using a special heat-sensitive plastic paper.

announce the birth of a daughter, Caitlyn, born on May 31, 2000. They live in Lacey, Wash. **Charlton Henry Calhoun IV**, BA, married Shannon Elizabeth Looney on July 22, 2000. They live in Decatur, Ga. **Jocelyn Deering Challas**, BA, and **William Howard Challas**, BA, announce the birth of a daughter, Abigail Jane Challas, born on Jan. 5, 2001. They live in Chapel Hill, N.C. **Bill Curran**, BA, joined Baptist Hospital in Nashville as Web site coordinator. **Tiffany Franklin**, BA, was promoted to assistant director of the Career Management Center at Drexel University in Philadelphia. **Kady R. Garcia**, BS, MEd'97, married Robert Numerick on Dec. 30, 2000. Her new name is Katherine Numerick, and they live in Jefferson City, Mo. **Mark Horenkamp**, BA, married Dorae Haag on Aug. 5, 2000. They live in Lebanon, Ill. **Carrie Jackson**, BMus, MSN'98, married Lewis Lanier Scruggs III on Nov. 4, 2000. Bridesmaids included **Ann Farkas Twadell**, BS, **Stephanie Ann Parks**, BA, **Natalie Nicole Bridget Blanchet**, BS, and **Kelly Moore Coopersmith**, BA. Carrie is a nurse practitioner with a cardiology group in Athens, Ga. **Jennifer Pentecost**, BA, moved from New York to the Bay area of California to work with Hewlett Packard. She lives in San Jose. **Bo Ranney**, BA, and his wife, **Harriette McClure**, BA'97, were co-stars aboard the Holland America cruise ship *Volenaam*, according to a note sent in by Bo's parents, **Bruce Ranney**, BA'70, and **Valerie Ranney**, BME'70. **JoAnna Watson**, BS, earned an M.Ed. degree in reading from Salem State College in May 2000 and teaches middle school French in Bass River, Mass.

97 Tania Archer, BA, JD'00, was named a member of the 2000-2001 Fellowship Class of NAPIL (National Association for Public Interest Law). In her NAPIL project, she worked with Legal Services of Southern Piedmont (Charlotte, N.C.) to strengthen the local Hispanic community through legal representation. **Ellen Renae Carr**, BS, married Nicholas Edward Robinson on Sept. 30, 2000. They both attend the University of Kentucky College of Medicine. **Lori Aeryn Flanagan**, BA, and **James Burton Vincent**, BA'94, were married on Sept. 30, 2000. They work in New York City. **Lisa Katherine Gohmann**, MEd, married Michael Laurence Orrick on Oct. 27,

2000. They live in Franklin, Tenn. **Kristin Rebecca Hedgepath**, BE, married Daniel Alan Gilchrist on Sept. 16, 2000. They live in Stanford, Calif. **Douglas R. Hilfiker**, BA, joined the Rochester, N.Y., law firm of Harter, Secrest & Emery as a practice associate in the trust and real estates group. **Sarah Anne McBean**, BS, MSN'98, and **Austin Edward Garza**, BS'96, MD'00, were married on Sept. 23, 2000. They live in Nashville. **Jason Northcutt**, BA, passed the New York State bar exam last November and is employed by Paul, Hastings, Janofsky & Walker in New York City. **Nicole Underwood**, BS, married Kenden Maynard on Sept. 30, 2000. They live in Nashville.

'98 **Laney Blessey**, BA, married **Matt Bataille**, JD'99, on Sept. 3, 2000. They live in New Orleans, where she is a customer relations manager at Crescent City Motors. **Lauren J. Eck**, MSN, and her husband, Steven, announce the birth of Regan Jessica Eck, born on Sept. 21, 2000, joining sister Natasha Lauren, two. They live in Garrettsville, Ohio, and would love to hear from classmates at eck@modex.com. **David B. Farnsworth Jr.**, BE, and **Vanessa A. Wysoki**, BA'99, celebrated their first wedding anniversary on Nov. 20, 2000. They live in New York City. **Becca Harbin**, BA, works as an account coordinator for Ketchum, a public relations agency in Atlanta. **Maevie Elliott Hughes**, BE, and **Chris Hughes**, BS, work for Brown & Root Services supporting the NATO peacekeeping operation in the Balkan region as a cost specialist and estimator. Maevie is located in Ferizaj, Kosovo, and Chris in Kumanovo, Macedonia. **Mary Love Peters**, BS, MS'00, works with children with speech and language disorders at Vanderbilt's Bill Wilkerson Center. **Gabrielle Prisco**, BS, returned to New York City to begin law school at New York University. After finishing a two-year stint as assistant debate coach at the University of Alabama, she earned a master's degree in communication and last summer taught debate to students and teachers in Latvia, Lithuania. **John E. Pizzi**, BS, accepted a job as a product manager with NOVO, an Internet services firm in New York City. **Armand Brook Rabinowitz**, BS, is an assistant agent at the William Morris Agency's motion picture talent department in Los Angeles. "At least the long hours have some incredible perks," he writes. **Katherine Elizabeth Reeder**, BA, married **Mark Lowell Hayes**, BA, on December 30, 2000. They live in Birmingham where she is

pursuing an M.D. degree at the University of Alabama Medical School, and he is employed by Hoover School District. **Brooke Gallagher Reusch**, BA, is membership services coordinator for the Philadelphia Museum of Art. Her husband, **Jason Scott Reusch**, BA'99, is vice president of technology at Theados Corp. **Diane E. Rockwell**, MSN, married Jerry A. Merrill on July 22, 2000. They live in Charlotte, N.C., where Diane is an acute care nurse practitioner at the Sanger Clinic. **Rebecca Torok**, BS, married Ryan Hinton on July 29, 2000. Vandy alumni in attendance included **Leila Ghabriel**, BS, and **Navjot Vidwan**, BS. The couple lives in Pittsburgh where Rebecca is a corporate recruiter for a B2B e-commerce company.

'99 **David Benson**, BS, writes that he attends law school at Kent College of Law in Chicago. He notes that two of his roommates also returned to school: **Mike Wilde**, BS, at the University of Miami College of Law, and **Eric Whittier**, BA, at medical school in Philadelphia. **Nick Ellinger**, BA, MBA'00, joined Healthstream, a Nashville technology firm, as a customer relations manager for the marketing department. **John Griffin**, BE, lives and works in both Houston and New York City as an energy investment banker with JP Morgan Chase. **Adam Harder**, BA, and **Megan Taylor**, BA'00, were married on July 9, 2000. They live in Boston where she is an actuarial analyst with Tillinghast-Towers Perrin, and he attends Tufts Medical School. **Jane Elizabeth Harrison**, BS, married James Louis Mazurek Jr. on Aug. 19, 2000. They live in Savannah, Ga. **Jessica Liess**, BS, ME'd'00, teaches special education at New Trier High School in the Chicago area. **David L. Maynard**, MBA, joined Merrill Lynch as a financial consultant. He lives in Winston-Salem, N.C., with his wife, Stephanie. **Matthew Bruce McClellan**, BS, teaches 9th and 10th grade English at the Lovett School in Atlanta. **Allen X. Romero**, BE, writes that he works with his brother's Internet start-up company, E-Tang.com in San Francisco. "I have lost 25 pounds and feel better than ever. I frequently take advantage of the beautiful Northern California landscape ... hiking, mountain biking, swimming in the ocean." He encourages Vandy alumni to look him up when in the Bay area. **Michael B. Rustici**, BS, married Elizabeth Autumn Bowie on Oct. 7, 2000. They live in Franklin, Tenn. **Ivan Tang**, BE, and **Kathleen Rands**, BS, were married on May 22, 1999. They live in

Raleigh, N.C. **Becky Williams**, BS, ME'd'00, and **Allen MacKenzie**, BE, were married on June 17, 2000. They live in Ithaca, N.Y., where Becky is a special education teacher in an elementary school, and Allen is working toward a Ph.D. in electrical engineering at Cornell University.

'00 **Frank W. Burns III**, BS, a second lieutenant in the U.S. Army, is on a one-year tour of duty at Camp Hovey, South Korea, serving as a combat engineer platoon leader. **Ghangis DeDan Carter**, ME'd, was named assistant director of programming at Vanderbilt's Bishop Joseph Johnson Black Cultural Center. **Martin M. Gibson**, BS, joined First Republic Bank on Park Avenue in New York City as a personal banker. **Kasie Kline**, BS, teaches fourth grade at Mittlestadt Elementary School in Houston. "I am teaching with four of my former teachers," she writes. "One of them is the principal." **Lou Pham**, BA, joined the Nashville office of New England Financial insurance and investment agency as a registered representative. **Frank John Scarangella**, BA, moved to Boston to attend graduate school at Emerson College. **Privott Sledge**, BS, joined the Nashville law firm of Boulton Cummings Connors & Berry as the human resources and facilities coordinator. **Laura Tarumianz**, BS, works in Washington, D.C., as a staff assistant for U.S. Congressman Van Hilleary (R-Tenn). **Elizabeth Vise**, BS, joined *Coastal Living* magazine in Birmingham as a promotion assistant.

DEATHS

Katharine Ogden Adams, A'26, MA'28, of Jacksonville, Fla., Jan. 19, 2000.

Elizabeth Rutherford Hayes Elliott, BA'26, of Memphis, Oct. 10, 2000, of heart failure. She was a retired teacher and homemaker, a member of Second Presbyterian Church and was honored as a 75-year member of Kappa Alpha Theta sorority. She is survived by two daughters, including **Elaine Elliott Crews**, BA'59, four grandchildren and two great-grandchildren.

Ann Leslie Nichol Moore, A'28, of Concord, Mass., Jan. 6, 2001. A native Nashvillian, she moved to Boston in 1931 with her husband and started a family. During World War II, she volunteered at the James Jackson Putnam Children's Center and later worked with children's educational

television programs. After her husband's death in 1957, she earned a certification in nursery and kindergarten teaching. She was a community volunteer in programs for young children. Survivors include four children, 11 grandchildren, and eight great-grandchildren.

Leah Rose Werthan, A'29, of Nashville, Oct. 11, 2000. A community and cultural leader who devoted herself to the well-being of Nashvillians, she was a founder of the Bill Wilkerson Speech and Hearing Center, the Green Hills Health Center, the Nashville Family Shelter, Social Action Group on Aging, and Nashville Memorial Hospital, among others. She also helped establish and served on the boards of the Dede Wallace Center, Senior Citizens Center, Cumberland House for Emotionally Disturbed Children, Council Home for Convalescent Children, and the Leah Rose Residence for Senior Citizens. Her support for Vanderbilt spanned the entire University. She was a life member of the Chancellor's Council and a member of donor societies at the Divinity School and Heard Library, and she supported the National Commodore Club, Vanderbilt Institute for Public Policy Studies, Blair School of Music, School of Nursing, Peabody College, the Mary Jane Werthan Chair in Jewish Studies at the Divinity School, and the Albert and Bernard Werthan Chair at the medical school. Survivors include a daughter, two sons, 11 grandchildren, 18 great-grandchildren, and a sister.

Emily Almon Anderson, BA'31, MA'32, of Rockport, Texas, Sept. 2, 2000.

E. Stanley Matthews, BA'31, of Shreveport, La., Nov. 21, 2000.

Lora Devault McCormick, BA'31, of Johnson City, Tenn., Nov. 11, 2000.

Evangeline Hemplemann Parrot, BA'31, of Louisville, Ky., Aug. 4, 2000. As a Vanderbilt student, she was affiliated with Delta Delta Delta, the Girls Glee Club, and Three Arts. She is survived by three children, **Penelope Parrot Pearson**, BA'61; **Ted Parrot**, BE'63; and **Kenneth Parrot**, BA'69.

Leonard Scott, BA'34, of Little Rock, Ark., March 25, 2001. He received a J.D. degree from Harvard University and served in the U.S. Army during World War II. He was a member of the Pulaski County Bar Association, American Bar Association, American

Judicature Society, and a fellow of the American College of Trust and Estate Counsel. He was a member and past president of the Downtown Little Rock Rotary International and the Central Arkansas Rose Society, and a member of Temple B'Nai Israel. He also was a Scottish Rite Mason. Survivors include his wife, a son, a daughter, four grandchildren and three great-grandchildren.

Louise C. Bennett, BA'32, of Brentwood, Tenn., Aug. 3, 2000.

Winn Ownbey Chappell, BA'35, MA'36, of Montgomery, Ala., March 28, 2001. She was a professor at Huntingdon College in Montgomery for more than three decades and sponsored many student organizations. She was a member of First United Methodist Church and participated in numerous civic organizations. Survivors include her husband, **Gordon T. Chappell**, E'33, MA'36, PhD'41; a son, **Charles Richard Chappell**, BA'65; a daughter, **Winn Chappell Tarver**, BA'67; and five grandchildren.

John Long Wilson, BA'35, of Palo Alto, Calif., April 5, 2001. He was a professor of surgery emeritus at Stanford University. He served with the U.S. Navy as a flight surgeon during World War II and spent 15 years as professor and chair of the surgery department at the American University of Beirut. Survivors include his wife, five children and four grandchildren.

Howard H. Patrick, BD'36, of Columbus, Ohio, Sept. 23, 2000.

Leon J. Epstein, BA'37, MA'38, PhD'41, of San Francisco, Nov. 6, 2000. He was a longtime professor at the University of California-San Francisco who did groundbreaking research into manic-depressive disorders and pharmacological treatment of mental illness in seniors. He served as a lieutenant commander in the Navy during World War II and pioneered the development of psychological profiling to establish the suitability of individuals for positions in active combat. Survivors include a daughter, son, and five grandchildren.

Ralph L. Cash, BA'36, MD'40, of Princeton, Ky., March 11, 2001, at his home. He was retired from the family medical and surgery practice that he took over from his father in 1946. A World War II Army veteran, he was a captain in the Medical Corps and received the American Defense Medal,

Battle Star of Pearl Harbor, Battle Star for the Battle of Guadalcanal, and, in the European Theater, the Battle Star of Central Europe under the American Victory medal. He was a member of Ogden Memorial United Methodist Church and was a recipient of the AMA Physician Recognition Award and Princeton Kiwanis Outstanding Citizen Award. Survivors include two daughters, two sons, nine grandchildren and two great-grandchildren.

Joyce L. Jones, BA'36, of Huntsville, Ala., March 31, 2001, at her home. She taught at Huntsville High School and was a photojournalist for the *Huntsville Times*, the *Birmingham News* and the *Birmingham Post-Herald*. Her stories and photographs appeared in numerous national publications including *Life* and *Look* magazines and she wrote "The Cat With A Thousand Faces." She was a member of Gamma Phi Beta sorority at Vanderbilt. Other affiliations included the First Christian Church, the Neaves Davis Detention Center for Children, Salvation Advisory Board, Friends of the Library, International Services Council, Historic Huntsville Foundation, Huntsville Humane Society and the Huntsville Botanical Garden. She is survived by a daughter and one granddaughter.

Frank Mitchell Farris Jr., BA'37, of Nashville, Sept. 26, 2000. He was founder of one of Nashville's most prominent law firms, Farris Warfield & Kanaday. Prior to that, he founded the law firm of Farris Evans & Evans after serving with the Navy during World War II. He was a trustee and general counsel for George Peabody College for Teachers until its merger with Vanderbilt in 1979 and elected to the Vanderbilt Board of Trust that same year. He later was voted a lifetime trustee and was a former member of the Board's executive committee. As a Vanderbilt student, he was elected president of his freshman and junior classes. He won the Frank K. Houston Prize for oratory during his junior year. He also served as business manager for the *Commodore* yearbook and was inducted into Omicron Delta Kappa national honorary fraternity. A director emeritus of Third National Bank, he was an elder with First Presbyterian Church. Survivors include his wife and daughter.

C. Carroll Ijams, MS'37, PhD'41, of Memphis, Dec. 8, 2000, of heart failure. He was retired chairman of the physics department at the University of

Memphis, where he taught for 30 years. After earning the Ph.D. at Vanderbilt, he worked for the Procter & Gamble Defense Corp. Wolf Creek Ordnance Plant in Milan, Tenn., and at the Gulf Ordnance Plant in Prairie, Miss. In 1943 he received a Navy commission and was attached to the electronics division of the Bureau of Ships. His last active duty assignment was atomic weapons testing on the Pacific atoll of Bikini in 1946. He retired as a captain from the Naval Reserve in 1973. Survivors include his wife, two daughters, and four grandchildren.

Cal Turner Sr., E'37, of Scottsville, Ky., Nov. 14, 2000. He was founder of Dollar General Corp. In 1994 he was named to the Discounting Hall of Fame by *Discount Store News*, an honor given to only one person per year. He and his late wife established the Laura Kemp Goad Scholarship at the Blair School of Music and supported the Methodist Studies Program at the Divinity School and the Kim Dayani Human Performance Center. In 1994, his son, **Cal Turner Jr.**, BA'62, established the Cal Turner Program in Moral Leadership at Vanderbilt to honor his father. The program is a cooperative effort between the schools of law, medicine, business, and divinity designed to inspire honest and visionary leadership. Cal Turner Sr. also was a benefactor to the town of Scottsville and area churches. He is survived by two daughters; another son, **Steve Turner**, BA'69; eight grandchildren; and 16 great-grandchildren.

Thomas L. Edwards, A'38, of Sarasota, Fla., Dec. 24, 2000. He is survived by his wife.

Sam Wood Boone, BA'39, of Winter Park, Fla., Sept. 5, 2000, of cancer. He is survived by his wife.

Merrill Rust Stone Jr., BA'40, of Nashville, Nov. 19, 2000, of heart failure. He worked for General Shoe Corporation and in 1955 founded the Merrill Stone Company, a supplier to shoe and boot manufacturers. He served in the Navy during World War II and was awarded the Silver Star. He retired from the Navy as a lieutenant commander. He was affiliated with the Southeastern Shoe Trades Association, Hillwood Country Club, Cumberland Club and First Presbyterian Church where he had served as a deacon. He is survived by a son, **Merrill Rust Stone III**, A'81.

Samuel Igou Yarnell, BA'40, of Chattanooga, Oct. 14, 2000. A former member of the Vanderbilt Board of Trust, he was president and chairman of the board of American National Bank and served on the board of the Federal Reserve of Atlanta. He was a past campaign chairman for the United Way of Chattanooga and was chairman of the boards of trustees for Bright School and Girls Preparatory School. During World War II, he served as an Army weatherman and landed on Utah Beach on the third day of the Allied invasion. He was a member of the board of trustees of First Centenary United Methodist Church, a member of the Rotary Club, Chattanooga Golf and Country Club, and the Mountain City Club. Survivors include his wife, **Ellen Cameron Yarnell**, BA'43; a son; two daughters, including **Nancy Yarnell-Houser**, BA'76; and five grandchildren.

Rosamond Carey, BSN'41, of McAlester, Okla., Feb. 9, 2001, at her home.

Jane Sheaff Gilreath, A'41, of Carmel, Ind., Nov. 13, 2000.

William David Hudson Jr., BA'41, of Clarksville, Tenn., Dec. 30, 2000.

Katherine "Katsy" Aycock King, BA'41, of Lexington, Ky., Jan. 1, 2001, of a heart condition at her home. A former St. Louis businesswoman, she was owner of King's Row Gallery where she sold English antiques and furniture. She served on the women's board of the St. Louis Symphony and was a board member of the Missouri Botanical Garden. Survivors include two daughters and four grandchildren.

John C. O'Connor, E'41, of Naples, Fla., Jan. 1, 2001.

Daphne Myrlee Teague Strickland, N'41, of Birmingham, Ala., Feb. 2, 2001.

Hannah Abramson Greenfield, BA'42, MA'43, of Northfield, Ill., Oct. 3, 2000. She taught high school Latin and English in Chicago for more than 25 years and was chairman of the school board of Congregation Kehilath Israel. Her civic activities included involvement with the League of Women Voters and formulating recommendations for the Illinois Constitutional Convention. She was an avid reader, gardener, and solver of crossword puzzles. Survivors include her husband; a son; daughter; sister, **Sonia Abramson Doochin**, BA'47; and two brothers, including **Jerome Abramson**, BA'48, MD'52.

George Plummer Wood Jr., A'42, of Macon, Ga., July 23, 2000.

James Abernathy, A'43, of Birmingham, Ala., Jan. 1, 2001. A Vanderbilt football player, he was a longtime supporter of the National Commodore Club. Survivors include his wife, **Aileen Harper Abernathy**, A'48, and two children.

Henry M. "Bull" Bailey Jr., BE'43, of Sacramento, Calif., April 23, 2000, at his home after a short illness. He was a member of Sigma Alpha Epsilon fraternity and Tau Beta Pi honorary society. He served in the Navy during World War II and the Korean War. He retired from the Department of Defense in February 2000 where he was a microelectronics support engineer at McClellan Air Force Base.

Dallas B. Reynolds, MD'43, of Huntsville, Ala., March 3, 2001. He was one of the first board-certified OB/GYN physicians in North Alabama. It was estimated that he delivered more than 12,000 babies during his career. He was a member of the American College of Surgeons, the American College of Obstetrics and Gynecology and served on numerous committees and boards at both Huntsville and Crestwood Hospitals. He was on the executive board of Hospice, was a founding member of Trinity Methodist Church and was awarded the Bronze Star in World War II. Survivors include his wife, **Lorene Wilson Reynolds**, BSN'42; two daughters, including **Miriam Reynolds Keat**, BA'67; two sons, including **James A. Reynolds**, MD'82; five grandchildren and two sisters.

Leonard H. Seitzman, BA'43, MD'46, of San Antonio, Texas, Aug. 9, 2000.

Mary Elizabeth Tyler, BSN'44, of Portage, Mich., March 20, 2001. After earning her Vanderbilt degree, she was director of the Huron Road Hospital School of Nursing in Cleveland, Ohio. She returned to Vanderbilt as an instructor in the School of Nursing and later earned a master's degree in public health at Harvard. Survivors include her husband, a son, a daughter and a sister.

Melba Sherman Brandes, MA'45, of Chapel Hill, N.C., March 2, 2001. Before attending Vanderbilt, she earned degrees from Whitworth College in Brookhaven, Miss., and Millsaps College in Jackson, Miss. She taught at Ward-Belmont School in Nashville after earning the master's degree at Vanderbilt before joining the

English faculty at the University of Mississippi in Oxford. Her teaching career included stints at Southern Mississippi, Ohio University, North Carolina College and the University of North Carolina at Chapel Hill. After her retirement, she worked at the PTA Thrift Shop, the Village Advocate, and the North Carolina Department of Motor Vehicles. She was a volunteer with a special reading program at Grey Culbreth Junior High School, the UNC program of reading to the blind, Meals on Wheels and worked as a coordinator with the Host Family Program for foreign students at UNC. Survivors include a daughter and granddaughter.

Patricia Kavanagh Payne, BA'46, of Alexandria, Va., Nov. 9, 2000. At Vanderbilt, she was a member of Kappa Alpha Theta and Phi Beta Kappa. She is survived by four daughters, including **Mary Payne Frank**, BA'74; four grandchildren; a sister, **Joyce Kavanagh Wendt**, BA'51; and a brother.

Martha Franklin Lovett, BSN'47, of Alexandria, Va., June 10, 2000. She is survived by a son, a daughter, two grandchildren, and two sisters.

Morton V. Malin, MA'47, of Strafford, Penn., Jan. 18, 1999. He is survived by his wife, **Edyth L. Malin**, BA'47.

James E. Cunningham, BA'48, of Houston, Nov. 27, 2000.

Fred N. Forsberg, JD'48, of Levittown, Pa., March 2000. He is survived by his wife.

Charles W. Lyon, BA'48, of Chattanooga, March 23, 2000.

John G. Coniglio, PhD'49, of Nashville, Feb. 26, 2001, at his home. He was an emeritus professor of biochemistry at Vanderbilt and worked and studied here for more than 40 years. In 1949, he was an Atomic Energy Commission postdoctoral fellow in biophysics at the Colorado University School in Denver and in 1969 was appointed editor of *Lipids*, a journal in the fields of lipid chemistry and metabolism. He also taught medical and graduate school courses. The annual John G. Coniglio Prize in Biochemistry is awarded to a top medical student who advances the field of biochemistry. Survivors include his wife, three sons, and five grandchildren.

Travis Morris Douglas, BA'49, of Santa Monica, Calif., Nov. 18, 2000. After graduating from Vanderbilt, he joined Anderson Clayton Cotton Company

where he worked for 35 years. He began work in Memphis classifying cotton and also worked in Houston; Sao Paolo, Brazil; Lausanne, Switzerland; and Guadalajara, Mexico. He is survived by his wife, a daughter, a son, and two grandchildren.

Herman Gray, BE'49, of Nashville, June 20, 2000.

J. Paul Johnson, LLB'49, of Bristol, Tenn., Dec. 1, 2000. He practiced law in Bristol until his retirement several years ago and continued to assist individuals with their personal affairs on a case-by-case basis.

Clyde E. Medford Jr., BE'49, of Crossville, Tenn., Dec. 31, 2000.

Patricia Macdonald Merrill, N'49, of Salado, Texas, Nov. 21, 2000.

Harry H. Stephenson Jr., BA'49, of Albany, Ga., Dec. 17, 1999.

Jane Carlisle Trabue, BA'49, of Franklin, Tenn., March 25, 2001, at her home. She was director of Nashville's Florence Crittendon Home for pregnant teens and worked in social services for various Nashville and Franklin hospitals and nursing homes. Survivors include a son, two daughters, six grandchildren, and a brother.

Marvin Brown Wilkes, BE'49, of Houston, Sept. 18, 2000. He was a World War II veteran who was awarded the Purple Heart. He was an electrical engineer with Anderson, Clayton & Company until his retirement. Survivors include his wife, a son, a daughter, and six grandchildren.

Melvin B. Butler, LLB'50, of Nashville, Nov. 29, 2000.

Arnold E. "Bud" Curtis, BA'50, of Nashville, March 10, 2001. He is remembered as a star of the nationally ranked Vanderbilt football teams of the late 1940s when he played defensive end, offensive end and kicker. A native of Philadelphia, he earned the rank of Eagle Scout and was a highly decorated World War II veteran, winning the Purple Heart, Silver Star, and Bronze Star. He was a partner in the Nashville insurance firm of Stokes, Brady and Curtis, which later merged with E.H. Crump Company of Memphis. He served as president of Insurors of Nashville, Insurors of Tennessee and the Southern Agents Conference. He also was active in Belmont United Methodist Church. Survivors include his wife, **Jean Thomas Curtis**, BA'48,

two sons, and seven grandchildren.

Richard Harwood, BA'50, of Bethesda, Md., March 19, 2001, of lung cancer at his home. He served with the Marine Corps in the Pacific Theater during World War II and participated in the invasion of Iwo Jima. He was a noted Washington, D.C., newspaperman who started his career in Tennessee and Louisville. He was hired by the *Washington Post* in 1966 and served as a national reporter, ombudsman and editor. He retired in 1988, but continued to work for the *Post* as an ombudsman or weekly columnist until 1999. Survivors include his wife, a daughter, three sons, and eight grandchildren.

Daniel M. Etter, BE'50, of Nashville and Viola, Tenn., Jan. 13, 2001. He was assistant director of new construction at Vanderbilt from 1950 through 1985, working on more than 25 projects, including Memorial Gymnasium, Rand Hall, Kissam Quadrangle, the Divinity School, University Club, and Olin Hall, among others. During World War II he was an aerial photographer with the Marine Corps. He was an honorary lifetime member of the Building & Owners and Managers Association of Nashville, a member of the Engineering Association of Nashville, and the Tennessee Association of Professional Surveyors.

Boyd Gaines Jacoway, BA'50, of Nashville, Sept. 12, 2000, at his home. During World War II, he served in the Pacific Theater with the Navy. At Vanderbilt, he was a member of Beta Theta Pi and played varsity football. He started Boyd Jacoway and Company as a manufacturers rep business and retired in 1997. Survivors include his wife, six children, and eight grandchildren.

Earl Bishop "Smokey" Stover, BA'50, L'52, of Silsbee, Texas, Dec. 9, 2000. He had a private law practice until he was elected Hardin County attorney and also served as associate justice of the Texas 9th Court of Appeals. He served with the U.S. Army in Germany after World War II and was honorably discharged as a sergeant. As a Vanderbilt student, he was a four-year letterman in football; president of Omicron Delta Kappa, Beta Theta Pi, and his junior and senior classes; editor of the *Hustler*; and elected Bachelor of Ugliness. He served on the boards of the Silsbee Chamber of Commerce, Silsbee Independent School District, and Kiwanis Club, and was active in the Boy Scouts of America, local theatre, and United

Appeals. Survivors include his wife, two sons, and two granddaughters. **Carmen Carolyn Cooke Wilkins**, BA'50 of Athens, Tenn., Sept. 26, 2000. She was a member of St. Paul's Episcopal Church and a board member of the McMinn County Museum and Museum Guild. Survivors include two sons and two daughters.

Robert L. Firnberg, A'51, of Wisner, La., December 21, 1999.

Janet Lemley Stone, PhD'51, of Nashville, January 12, 2001. During her career, she worked as a research chemist with Lion Oil Company, Parke Davis Laboratory, Marquette University, and the Vanderbilt University Heart Station. She was affiliated with the Centennial Club, Four Seasons Garden Club, Polk Association, Cheekwood, Hillwood Country Club, and the University Club. She was preceded in death by her husband, **Merrill Rust Stone Jr.**, BA'40, and is survived by their son, **Merrill Rust Stone III**, A'81.

Katherine Manier Jones, BA'52, of Anniston, Ala., Oct. 19, 2000. She was a teacher at Cohn High School in Nashville, Anniston High School, and the Donoho School in Anniston. She sang in numerous church and civic chorales. Other civic affiliations included the Matron's Study Club, the Reveler's Club, and Parents Anonymous. She is survived by her husband, **R. Earle Jones Jr.**, BA'45, MD'48, and two daughters.

O. Vance Mason, BD'52, of Chickasaw, Ark., December 25, 2000.

James H. Hunt Sr., BE'53, of Lakeland, Fla., Nov. 9, 2000. He was a retired engineer for Alcoa Industries, a veteran of the Korean War, and a retired captain of the Navy. Survivors include his wife, a daughter, two sons, and a granddaughter.

Robert Rutland, PhD'53, of Tulsa, Okla., Dec. 30, 2000.

Leonard A. Wright, A'53, of Nashville, Sept. 11, 2000. He was a member of Hillcrest Methodist Church, Iron Workers Union 492, Musicians Local 257, and Tennessee Art League. Survivors include three children and six grandchildren.

Jesse C. Crowe, PhD'54, of Bowling Green, Ky., Feb. 3, 2001, at home of a heart attack. He is survived by his wife and a daughter.

Virginia Emery Hendrickson, MAT'55, of Princeton, N.J., March 6, 2001, of breast cancer. She was a high school English teacher for a number of years and an editor and freelance writer at Harcourt Brace and Company in New York. She founded the Breast Cancer Resource Center at the Princeton YWCA and worked for several years as its first director. She was a volunteer with McCarter Theatre and a member of Nassau Presbyterian Church, where she was a deacon, elder and member of the cancer support group. Survivors include her husband, two daughters, a son and two grandchildren.

Louise Aland Levin, A'55, of Birmingham, Ala., Dec. 23, 2000. She is survived by two children and five grandchildren.

Thomas C. Binkley, JD'56, of Nashville, Dec. 3, 2000. A Nashville attorney, he was former president of the Tennessee Bar Association and the Tennessee Mental Health Association and was affiliated with the National Mental Health Association, Tennessee Department of Employment Security, Nashville Bar Association, American Bar Association, and the Tennessee Trial Lawyers Association. Survivors include his wife, two daughters, and three grandchildren.

Donald A. DuPlantier, BA'56, of Hilton Head Island, S.C., September 2000. Before moving to Hilton Head in 1990, he was employed by BATUS, now Brown & Williamson, in Louisville, Ky. He was a weekly volunteer at the Hilton Head Public Library and a member of St. Luke's Episcopal Church. Survivors include his wife, **Lucy E. Stites DuPlantier**, BA'57, a son, two grandchildren, and a sister.

Robert G. Jones, BE'56, of Nashville, Nov. 11, 2000.

William C. Stevens, PhD'56, of Abilene, Texas, July 22, 2000.

Steven Lewin Grossman, BA'57, of Wheaton, Md., Jan. 7, 2001, of cancer. He was an administrative law judge since 1975 at the Federal Energy Regulatory Commission, an independent department in the Energy Department. He served in the Navy from 1957 to 1959 and retired from the Naval Reserve in 1989. He was a member and past president of Temple Shalom in Chevy Chase and past president of the Wheaton Urban District advisory committee. He also

interviewed and recruited students for Vanderbilt NROTC. Survivors include his wife, two sons, a daughter, a grandson, and a brother.

Sidney James Landman, MA'58, PhD'67, of New York City, December 18, 2000. A retired professor of English literature, he taught at Vanderbilt, Texas Christian University, and Louisiana Tech University. After retirement, he moved to Brooklyn and became a sales associate at Villeroy and Boch store on Madison Avenue. He was a member of the Empire State Society, Sons of the American Revolution, National Association of Watch and Clock Collectors, and a benefactor of the National Trust for Historic Preservation.

G. Wayne Sullivan, BE'58, MA'61, of Madison, Tenn., Aug. 10, 2000.

Julia F. Stifler, G'59, of Nashville, May 2000.

Sally Randolph Frierson Cook, BA'60, May 8, 2001, at her residence. During her career, she was employed by the Tennessee Department of Public Welfare and Helen Moskovitz & Associates. She was a junior warden and vestrywoman at Christ Church Cathedral, and also served as a member of the Altar Guild and Sunday school teacher. Her community affiliations included the YWCA, Planned Parenthood of Middle Tennessee, Nashville Public Education Foundation, Belle Meade Plantation, Junior League of Nashville, Dubious Diggers Garden Club, Richland-West End Neighborhood Association, United Way, Polk Memorial Association, Ladies Hermitage Association, Le Petite Salon, the Centennial Club and Kappa Alpha Theta Alumni Association. She is survived by her husband, three sons, and a granddaughter.

Donald W. Fortner, BE'61, of Nashville, March 31, 2001. At Vanderbilt, he was captain of the 1961 baseball team. He later pitched for Nashville Sporting Goods in the city league and was elected to the Nashville Amateur Baseball Hall of Fame. He coached numerous World Series teams in the Dixie Youth and Babe Ruth leagues. He worked for the Tennessee Department of Transportation and retired as a civil engineer manager in the structures division. He also owned and managed a land surveying business. He was a member of Two Rivers Baptist Church and First Church of the Nazarene. Survivors include his wife, two sons, two grandsons, parents, and brothers.

Lawrence E. Friedman, BA'61, of Tucson, Ariz., Nov. 7, 1999, from complications of cancer. He practiced internal medicine at the Thomas Davis Medical Center for 25 years. He is survived by his wife, **Linda Lyon Friedman**, BA'61, MS'62, a daughter, two sons, and two grandchildren.

Benjamin W. Rawlins Jr., BA'61, of Memphis, Sept. 12, 2000, at home of a heart attack. He was chief executive officer of Memphis-based Union Planters Bank. He is survived by his wife; three children, **Benjamin Wade Rawlins III**, BA'80, **Martha Virginia Rawlins**, BA'92, and **Ellen Austin Uzarowicz**, BA'94; and a grandchild.

Ben W. Sharpe, A'61, of Humboldt, Tenn., Jan. 6, 2000. He was a pathologist at Jackson-Madison County General Hospital since 1970 and is survived by his wife.

Cordell Thomas Taylor, BE'61, of Franklin, Ky., July 25, 2000.

Robert Morris Varn, BA'61, of Atlanta, Dec. 20, 2000. He attended Vanderbilt on a Naval ROTC scholarship and was a member of Kappa Alpha Order, secretary of student affairs, and a member of the student senate. He achieved the rank of captain in the Marine Corps during the early years of the Vietnam War and served on the counterintelligence team. An investment banker, he was active in the Atlanta business community and involved in many Atlanta civic and charitable organizations. He was honored by the Boys and Girls Club of Atlanta with the John Conant Award for service to Atlanta's youth. Survivors include his wife, a son, a daughter, and a grandson.

Sarah Pauline "Polly" Stone Glover, MAT'62, EdD'87, of Obion, Tenn., June 19, 2000, at home of cancer. She was a professor of English at the University of Tennessee at Martin. During her career, she was named to *Who's Who Among America's Teachers* and *Who's Who of American Women*. She also was named the first recipient of the Cunningham Teacher/Scholar Award at UTM, recipient of the UT National Alumni Association Outstanding Teacher Award, and recipient of the Outstanding Developmental Educator Award, West Tennessee. She was a member of the Tennessee Library Association, Tennessee Advisory Council on Libraries, Obion County Public Library Board, Reelfoot Regional

Library Board, and was a Sunday school teacher at First Baptist Church, Obion.

John Shelby Coffey III, BE'63, of Carlsbad, Calif., Nov. 11, 2000. A registered professional engineer, he was a self-employed consultant and served in the Air National Guard. He is survived by his wife, a son, a daughter, and two sisters.

Averil Collins Lashley, A'63, of Boston, Mass., January 2001. She was a publicist who established her own communications services firm in the Back Bay area. Survivors include a son and a daughter.

Joy Marsh White, BSN'63, of Maryville, Tenn., March 20, 2001.

David Zager, BE'63, of Columbus, Ohio, May 13, 2001. He worked in the construction business for more than 30 years and was past president of BIA of Central Ohio. Survivors include his wife, **Rhona Dermon Zager**, BA'58, MA'62, and two daughters.

Lawrence E. Marshall, LLB'65, of Midlothian, Va., Jan. 22, 2001.

Bettejean Charlee "Twink" Hagen Giusti, BA'66, of Cranberry Township, Pa., May 22, 1999.

Amanda Griffin Hyatt, BA'67, MA'74, of Atlanta, August 22, 2001, at her home after a long battle with cancer. She was active in community advocacy and activism and had been chairman of the Georgia Governor's Welfare Reform Task Force, Georgia Council on Vocational Education, and Council for Competitive Georgia. The United Way named its highest volunteer award for her in honor of her contributions to the Douglas, Ga., and Metropolitan Atlanta organizations. She is survived by her husband, **Wayne Hyatt**, BA'65, MA'74, a Vanderbilt Board of Trust member and immediate past president of the Vanderbilt Alumni Association Board of Directors.

Tucker White King, BA'67, of Jacksonville, Fla., January 20, 2001, of complications following cancer surgery. He served with an Army artillery unit until his discharge in 1971 and became a real estate broker with Cushman and Wakefield in Jacksonville. He was a member of St. Mark's Episcopal Church, Meninak Club, Seminole Club, Timuquana Country Club, Florida Yacht Club, the YMCA and the Traveler's Aid Society. Survivors include his wife, two daughters, two step-daughters, a stepson, his mother and a brother.

Thomas B. Warren, MS'67, PhD'69, of Arlington, Texas, Aug. 8, 2000.

Hugh F. Glynn, BA'68, of Titusville, Fla., Nov. 30, 2000.

Stephen Michael Trautman, BA'68, JD'74, of Nashville, Sept. 21, 2000, suddenly of an aneurysm at home. He practiced law in the private and corporate sectors. He was active in United Way, Big Brothers of Nashville, Special Olympics, and the Downtown Kiwanis Club. Survivors include his wife, a son, a daughter, mother and father, and a sister.

William G. Walker, PhD'68, of Owensboro, Ky., Jan. 24, 2001.

Thomas L. "Tommy" Ryan, BE'69, of South Pittsburg, Tenn., March 17, 2001, at home. He is survived by two sisters and two brothers.

Constance R. Charlton, BSN'71, of Antioch, Ill., January 2001.

Marcella M. Mosely, BS'72, MS'73, of Nashville, November 2000. She taught speech pathology and audiology in the Department of Communications at Tennessee State University. She was named Outstanding Teacher of the Year five years in a row, received the Distinguished University Service Award, and was listed in *Who's Who Teacher Hall of Fame*. She also ran a successful private practice. Survivors include two brothers, nieces, aunts, uncles, and cousins.

Emily S. Crandall, JD'73, of Palm City, Fla., Nov. 6, 2000. She was an attorney with the Guardian Life Insurance Company for 17 years before moving to Palm City. Survivors include her husband, father, and three stepchildren.

Thomas E. Blase, BS'75, BE'78, of West Palm Beach, Fla., July 25, 2000.

Kurt Decker, JD'76, of Sinking Spring, Penn., May 21, 2000, of a heart attack. He was a partner in the law firm of Stevens & Lee in Reading, Penn., and author of numerous books and articles. Survivors include his wife, a son, and a daughter.

Charley Ann Reichley, PhD'71, of Nashville, Dec. 9, 2000.

Alan C. "Chip" Rosser, JD'72, of Cincinnati, Ohio, Jan. 27, 2001, of a heart attack. At Vanderbilt, he was associate managing editor of the *Vanderbilt Law Review* and a Patrick

Wilson scholar. He was an attorney with the Cincinnati law firm of Strauss & Troy practicing in the areas of mergers and acquisitions, securities law and commercial transactions. He served as a coach and supporter of the athletic programs of Anderson High School and Anderson Township. Survivors include his wife and three children.

Thomas J. Hartland Jr., JD'77, of Atlanta, Sept. 19, 2000.

Anthony LeRoy Dunnivant, MDiv'79, MA'81, PhD'84, of Lexington, Ky., Feb. 2, 2001. He was dean and professor of church history at Lexington Theological Seminary. He is survived by his wife.

William Luther Legg, BA'81, of Winnetka, Ill., May 2, 2000.

Q. Jean Elissa (Qi-Chao Huang), BE'85, of Dayton, Ohio, Dec. 22, 2000. She was a licensed engineer in the state of Ohio and a member of the Church of the Incarnation. Survivors include her husband, two sons, and adopted family.

Timothy R. Phillips, PhD'86, of Wheaton, Ill., Sept. 27, 2000. He was a professor of historical and systematic theology at Wheaton College. He is survived by his wife, two sons, mother, two brothers, and a sister.

Erin L. Richey, JD'88, of San Diego, Calif., Jan. 2, 2001.

Douglas Andrew Durando, BS'91, of Forest Hills, N.Y., Feb. 24, 2001, of cancer. He was employed with Catalina Marketing in Greenwich, Conn. Survivors include his parents and a brother.

Paul David Miller, MA'91, of Brookline, Mass., April 2000.

Nathaniel Goodall Thompson, BA'95, of South San Francisco, Calif., Sept. 4, 2000.

Donald Evers "Dusty" Wheaton Jr., BA'98, of Gastonia, N.C., June 7, 1999. He was a lifetime member of Alpha Phi Omega Service Fraternity.

FACULTY/STAFF

Philip Grant Davidson Jr., head of Vanderbilt's Graduate School from 1942 to 1948 and provost until 1951, died Oct. 13, 2000, at his home in Nashville. He was a longtime leader in the Episcopal Diocese of Tennessee.

Survivors include a daughter, seven grandchildren, 18 great-grandchildren, and one great-great-grandchild.

Howard Edward Smith, a professor of chemistry for nearly 40 years, Sept. 23, 2000. He was a fellow of the American Association for the Advancement of Science and a member of the American Chemical Society, Royal Society of Chemistry, Sigma Chi, and the Tennessee Academy of Science. He is survived by his wife, a son, two daughters, and a grandson.

Nancy A. Walker, first director of women's studies at Vanderbilt, died Dec. 12, 2000, from complications of lung cancer. She was named director of the women's studies department in 1989 and held that post for seven years. During that time, she also served as an associate professor of English and attained full professorship in English in 1992. Her areas of study included American women's and 19th and 20th century literature, American studies, and American pop culture. She wrote more than 10 books on women's literature and women's humor and was a contributor and editor for a variety of professional journals. She is survived by her husband, Bert Augst, compliance analyst for Vanderbilt's Opportunity Development Center.

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Flowers left beneath the flag pole on alumni lawn in memory of the victims of the September 11th terrorist attacks in New York, Pennsylvania and Washington, D.C.