



May 2, 2000

MEMORANDUM

To: Members of the Duke University Board of Trustees

From: Nannerl O. Keohane

Subject: Summary of Activities

**DUKE
UNIVERSITY**

We have a very full agenda for our Commencement meeting. We are pleased that Elizabeth Dole will address the graduates, and look forward to presenting her and Andrew Young with honorary degrees. We also are looking forward to honoring retiring Trustees Randy Tobias and Ike Robinson, and to saluting University Marshal Pelham Wilder and Vice Presidents Myrna Adams and Janet Dickerson, for their years of service to Duke. The campus, as always, is spectacular, thanks to Joe Jackson and his colleagues in our grounds department.

As we approach the end of a highly productive academic year, I am pleased to share with you this report on some of the honors, activities, and events involving Duke faculty, students, staff, and alumni since the Trustees' meeting in February.

Spring Reunions

Spring is not only the time to send our new graduates out into the larger world beyond our "Gothic Wonderland," it is a time to welcome back their predecessors. Nearly 3,000 alumni and their guests returned to campus the weekend of April 14-16 for the second in the new series of spring reunions. Despite less-than-perfect weather, it was a wonderful weekend with huge white tents on both East and West campuses serving as headquarters for the 10 reunioneing classes, along with our Half Century Club. Some 2,200 danced to the music of The Platters in the new Sheffield Tennis Center Saturday night, and many filled the Chapel the next morning for a special Palm Sunday service made possible by Will Willimon and Rodney Wynkoop. I met with many alumni during the weekend, and I came away -- as I always do from these conversations -- impressed by their enthusiasm for the university and their interest in what's happening on campus.

Administrative Update

As you know, Dr. James Clack, director of Counseling and Psychological Services, has agreed to serve as interim vice president for student affairs, succeeding Janet Smith Dickerson, effective July 1, when Janet leaves for Princeton. Jim has done a superb job as director of CAPS. As a member of Janet's leadership team for the past four years, he is familiar with all the major challenges Duke faces in supporting the lives of our students. When I met with the Student Affairs directors to announce Jim's interim appointment, I stressed that given the critical issues on our docket -- planning for new residential life facilities and programs, ensuring a welcoming and supportive environment for our diverse student body, improving the workings of our honor code, and aggressively addressing challenges surrounding binge drinking and the use of drugs -- it is important not to lose our momentum while we search for a new vice president. I have told Jim that I want him to be an active leader, not a caretaker. He has agreed enthusiastically. A search committee for Janet's permanent successor will be named this spring.

I met with the university's alcohol task force, chaired by Vice President Dickerson, on April 19. Much of the

work of the task force is being conducted by three subcommittees looking at education and orientation, campus culture, and intervention and treatment. Janet sent a letter to the parents of all Duke undergraduates in March asking them to talk with their children about problems associated with excessive drinking on campus and the importance of making responsible decisions. The two-page letter suggested that parents use spring break as an opportunity to discuss "risking-taking behaviors and personal responsibility" with their children. The letter noted that the clear majority of Duke students drink responsibly or not at all, and that students also have become increasingly creative in proposing and staging social events that do not feature alcohol. But Janet acknowledged that the problem of excessive drinking is a deeply rooted element of the culture at Duke and most other universities across the country. I know the Student Affairs Committee will receive an update from Janet on the work now underway to address the excessive use of alcohol at Duke.

As you know, Rex Adams announced to his board of visitors last month that he will step down in June 2001 as dean of the Fuqua School of Business at the completion of his current five-year term. Rex has been a superb leader at Fuqua; the school has great momentum and is well positioned for the future. Provost Peter Lange and I will be forming a committee soon to begin an international search for a successor.

Our national search for a successor to Myrna Adams as vice president for institutional equity is entering its final stage, and I hope to be able to advise you of my selection by the time of our meeting. Chancellor for Health Affairs Ralph Snyderman is nearing the completion of the Medical Center's search for a vice chancellor for medical center development to succeed Joe Beyel who is leaving Duke for a senior position at the University of Louisville.

Health System Update

J. Robert Clapp, Dr. William J. Fulkerson, and Mary Ann Crouch have been named to run the day-to-day operations of Duke Hospital; hospital COO Brenda Nevidjon has accepted a faculty position in the Duke School of Nursing. Hospital CEO Mike Israel announced the new management structure April 13 and, in a change from past practice, said each of the three administrators will report directly to him. Clapp, who has been associate vice chancellor, will serve as interim chief operating officer for at least six to 12 months. Fulkerson, who has been executive medical director of the Private Diagnostic Clinic, is now chief medical officer at Duke Hospital in charge of clinical operational units, as well as chief medical officer of the PDC. Crouch is the hospital's chief nursing officer.

As you know from the news clips distributed with the materials for our meeting, the International Union of Operating Engineers at Duke has organized a petition drive to become the bargaining agent for registered nurses at Duke Hospital. Last week, after discussions between Duke attorneys and attorneys for the Operating Engineers, an agreement was reached on the categories of nurses at Duke who would be eligible to vote in the election scheduled by the National Labor Relations Board for June 2-3.

As Chancellor Snyderman has discussed with the Trustees on several occasions, this is clearly a very difficult time for academic health centers. The combination of managed care constraints and the Balanced Budget Amendment have created enormous fiscal pressures on the hospital, depressing the clinical revenues needed to support our teaching and research missions. The Health System continues to institute programs to reduce costs, and we are working hard to ensure that we continue to provide needed support to our physicians and nurses to ensure that the quality of care we provide our patients does not suffer. As we know from other academic health centers across the country, Duke is relatively well positioned. At the same time, however, the Hospital's management and the physicians and staff are being asked to do more with less. Hospital CEO Michael Israel and other Health System leaders feel strongly that the best way to meet the serious challenges Duke Hospital faces is through collaboration, capitalizing on the experience and commitment of the nurses, physicians, and hospital leaders.

The first comprehensive survey of employees of the Duke Health System showed that most feel they have positive influence on the care of the system's patients and often achieve extraordinary performance, but regard their pay and opportunities for advancement as unsatisfactory. A total of 6,207 employees of Duke Hospital, Durham Regional Hospital, Raleigh Community Hospital, Triangle Hospice, and Duke Community Infusion Services completed the survey last fall. A truly disquieting finding was that only 23 percent of respondents were confident that senior Health System leaders would take action in response to the survey findings of employees' concerns. The best way to respond, of course, is to act quickly on the findings, and Chancellor Snyderman and his management team are moving aggressively on a number of issues identified in the survey. Two teams composed of senior leaders and operating staff from within the health system have already been formed to address the most important issues.

Under Executive Vice President Tallman Trask's leadership, the campus has made considerable progress in recent years in reducing the growth of our central administrative budgets with the savings allocated to support enhancements to our academic programs and student support services. The Medical Center, of course, has been engaged in its own systematic efforts to reduce administrative costs. A new effort to save significant amounts of money throughout the university and health system without detriment to our labor force is beginning to pay off. Led by Trask and Health System Executive Vice President William Donelan, the "Procurement Initiative" is focusing initially on three areas -- office supplies/equipment, clinical engineering/facilities, and the pharmacy. Teams working from across the Duke system already have figured out how to cut more than \$14 million from last year's bill for office, pharmacy, facility, and clinical engineering supplies and services. Team leaders expect to have plans ready before the end of summer that will trim another \$2 million to \$6 million from last year's costs for a total projected savings of \$16 million to \$20 million in FY 2001. As Tallman points out, the work so far shows not only that the opportunities existed, but that we are able to work together across the system to identify creative solutions. While most of the teams are still negotiating contracts with vendors, the office supplies and equipment team expects to start rolling back costs on June 1 with a single vendor, Corporate Express, and a system that stresses use of generic items from a "hot list" of most-needed supplies and on-line ordering.

Human Resources

As part of a reorganization of its systems and services, Human Resources is changing the way hiring is done. The results are already apparent. Last year, Duke reduced the time it takes to hire new employees by some 36 percent. This year, the process of recruiting, hiring, and enrolling employees is expected to become even more effective, thanks to the implementation of a new automated system designed to reduce the number of steps involved in the hiring and enrollment process and to drastically reduce paperwork. Employment/recruitment offices throughout Duke will all work with this system, so candidates need to submit their credentials once to be considered for all jobs that match their qualifications, rather than needing to apply for a specific job title.

One of the benefits we provide our employees is subsidized day care for their children. In early April, we had a day care "crisis" when the downtown Durham YMCA Early Learning Center, with which we contract for 120 places for children of Duke employees, was closed for eight days due to a staffing dispute. It was resolved through the creative efforts of Tallman Trask and Human Resources' Director of Staff/Labor Relations Mindy Kornberg. An agreement was worked out with the "Y" whereby the facility was made available to Duke, and we, in turn, contracted with Bright Horizons Family Solutions to manage the center. Most of the teachers are back and, at last report, most of the children of Duke parents were back at the center. Bright Horizons is one of the nation's leading providers of worksite child care, and manages day care in the Triangle for Glaxo-Wellcome and IBM among others. We continue to provide our annual \$400,000 subsidy to the Center to ensure that Duke employees can have access to high quality day care.

The Campaign for Duke

The Campaign for Duke continues to go extremely well, thanks to the leadership of co-chairs Pete and Ginny Nicholas and the work of the deans and our able Development staff led by John Piva and Bob Shepard. The Campaign Steering Committee met on campus last month, and we are extremely grateful for their leadership. Pete and John Piva will provide a campaign update at our meeting.

Since the Trustees' last meeting, we have announced a number of major gifts. Let me highlight a few of those which span the university.

Last week, we announced that the son of former Duke engineering professor William Henry "Nick" Gardner, Jr. is giving \$7 million in his father's honor to the Pratt School of Engineering. Alston Gardner of Atlanta made the gift to endow two professorships, eight graduate fellowships, all named for his father, and to provide undergraduate financial aid. The gift was announced at a surprise recognition event for Nick Gardner. The elder Gardner is the former president and current vice president of the civil engineering firm Gardner & McDaniel, P.A. of Durham. He graduated from Duke in 1945 with a degree in civil engineering and returned to his alma mater in 1953 to teach for a decade. He also was head engineer for many Duke buildings constructed during and after that period. Nick Gardner's contributions to his profession and to his alma mater are many and varied; his career exemplifies the service to society that our engineering graduates provide. His work on some of Duke's most important buildings provides ample testimony to his enduring skills.

In what appears to be the largest gift ever to support scholarship on women at a private university, the co-founder of the software company Red Hat, Marc Ewing, and his wife, Lisa Yun Lee who will receive a Ph.D. in Germanic studies at commencement, are giving nearly \$3 million to endow a professorship named for long-time faculty member Jean O'Barr, the founding director of our Women's Studies Program, and five fellowships. I plan to make a formal announcement of the gift May 4 at the opening of a New York City conference celebrating the program and the accomplishments of generations of Duke women. I am especially pleased that Trustee Melinda French Gates and Trustee Emerita Judy Woodruff will also be featured speakers at the conference. Lisa and Marc's generosity and foresight are exemplary, and we are very grateful to them. Both Lisa and Marc are just 30 years old, making them the youngest million dollar donors to The Campaign for Duke.

Hendersonville businesswoman Aileen Todd, whose husband battled Alzheimer's disease for 15 years, has made a \$2 million gift to the Deane Laboratories at the Medical Center to support Alzheimer's disease research. Researchers at the Deane Laboratories are working to identify the causes of a wide range of neurological diseases from Alzheimer's and Parkinson's diseases to Hodgkin's disease and epilepsy. This far-sighted philanthropy will accelerate the work of our medical researchers and advance us towards the goal of curing these dreaded neurological diseases.

Alumnus Robert E. Torray and his wife, Nancy, have given more than \$1 million to provide scholarships for undergraduate students who are particularly disadvantaged economically. Our need-based financial aid system is one of the Trustees' highest priorities, and enlarging our endowment for financial aid is a principal objective of The Campaign for Duke. We are deeply grateful to Bob and Nancy for this investment in the lives of talented and deserving young people.

Duke alumna and Campaign Steering Committee member Gretchen Schroder Fish and her husband, Edward A. Fish, have given \$2 million to support renovation of Perkins Library. At the dinner celebrating their \$1 million pledge, Ed made a surprise announcement of an additional \$1 million in Gretchen's honor. Gretchen and Ed have been generous supporters of Duke and our libraries for many years, and we are grateful for this most recent expression of confidence in the university as we make needed changes to ensure the future strength of

our libraries. We're seeking \$30 million in our campaign to renovate Perkins, expand and preserve the collections, and advance technological resources.

The new Duke University Institute on Care at the End of Life has received two gifts totaling \$650,000 to support the institute's efforts to help people near death and their families. The donations were announced by Dr. Keith G. Meador, institute director, at a dinner with former First Lady Rosalynn Carter and 350 other invited guests following a symposium on access to care for dying patients and their families. A \$550,000 gift from the Mary G. Stange Charitable Trust of Troy, Michigan, will be used to establish The Donald H. and Mary G. Stange Memorial Endowment Fund on Medicine and Christian Faith at the Institute. A \$100,000 gift, donated by Mr. and Mrs. L. Merritt Jones, Jr. of Raleigh, has established the Leonidas Merritt and Susan Pickens Jones Endowment Fund for continuing-education efforts.

We also celebrated last month the dedication of two major additions to our athletic facilities, the Schwartz-Butters Athletic Center and the Sheffield Tennis Center. It was wonderful to have Tom Butters back again and to share with Alan Schwartz and Karl Sheffield and their families our appreciation for their generosity to Duke.

Student Honors

This is the time of year when our students and faculty reap the awards of years of hard work. I reported to you in February that Julian Harris had won a Rhodes Fellowship. I am pleased to report on several additional major awards.

Duke juniors David Matthew Baugh of Raleigh and Lakeytria Windray Felder of North Charleston, South Carolina, were among only 75 Truman winners selected nationwide. The Truman Scholarship recognizes academic accomplishments, leadership potential, and commitment to a career in public service. The awards, established by Congress in honor of President Harry S. Truman, provide up to \$3,000 for a student's senior year and up to \$27,000 for graduate study. Truman scholars participate in leadership development programs and have special opportunities for internships and employment with the federal government. In all, 31 Duke students have been named Truman scholars since the program's inception in 1977.

Jeremy A. Huff, a senior from Virginia Beach, Virginia, has received the prestigious Henry Luce Scholarship, which provides for 18 young Americans to live and work in Asia for a period of one year. The scholarship program seeks to increase awareness of Asia among young people likely to rise to positions of leadership in the United States. Deeply interested in legal and justice issues, Jeremy says he expects to be placed in a legally oriented position, probably in a government agency, a private law firm, or a non-governmental organization. While Jeremy has majored in literature, he plans to pursue a career in law. He has been admitted to Harvard Law School and will defer admission for one year while he works in Asia.

Four Duke students with a record of success in undergraduate research have won Barry M. Goldwater Scholarships, which recognize excellence in science, mathematics, and engineering. This year's recipients are Pavan Cheruvu of Tampa, Florida; Kevin Lacker of Cincinnati, Ohio; Daniel Neill, also of Tampa, Florida; and Scott W. Smith of Mahwah, New Jersey. They were among 309 students selected on the basis of academic merit from a national field of 1,176. Since the awards were inaugurated in 1989, 40 Duke students have received the honor, which provides up to \$7,500 a year toward tuition and other college expenses.

Beau Mount of Franklin, North Carolina, a 1999 graduate, and Brooke Nixon of Carmel, Indiana, who will graduate this month, have been awarded one-year fellowships from the Andrew W. Mellon Foundation. The fellowships, which cover tuition and fees for the year and provide a stipend of \$14,750, are intended to help promising students prepare for careers of college teaching and scholarship in humanistic fields. Dana E. Swango, Jr. of Laguna Hills, California, has won a Beinecke Brothers Memorial Scholarship for graduate

education. As one of 21 winners nationwide of the Beinecke Brothers Memorial Scholarship, Dana will receive \$2,000 when he graduates, and a stipend of \$15,000 each year for two years of graduate work. He plans a career combining research with policy development and implementation and expects to pursue a doctorate in economics.

A Duke team of sophomore Kevin Lacker, junior Carl Miller, and freshman Melanie Wood recently placed third in this year's Putnam mathematics competition. Harvard took first place, while a team from the University of Waterloo in Canada took second. Typically, only the very best math students at any college or university even attempt this competition. Lacker and juniors John Clyde and Michael Colsher scored in the top 10 of the 2,900 participants and will receive \$1,000 each, while Wood ranked in the top 40 and Miller was in the top 2 percent. Other Duke competitors included Matthew Atwood, Sooraj Bhat, Ning Lin, Jeff Mermin, Daniel Neill, Taren Steinbrickner-Kauffman, Tristan Tager, and John Thacker, who all ranked in the top 500. Trustees will recall that mathematics was among the academic areas Duke targeted for significant enhancement in the 1980's. The results of that strategic investment by the Trustees, both in terms of the quality of our faculty and our students, is reflected in the outstanding students we are now attracting to Duke.

The process for Fulbright Awards is still underway, but we understand that 16 Duke students have been accepted by the U.S. selection committee and at least seven have been accepted so far by the committee in the country in which they propose to study. We expect that number to grow before the awards announcement is made in a few weeks.

Major Faculty Awards

Six faculty members are new recipients of endowed chairs through the university's Bass Program for Excellence in Undergraduate Education, the \$40 million initiative that recognizes faculty who are both gifted teachers as well as scholars. The newly appointed Bass Fellows were recognized at a recent dinner at which Bob and Anne Bass and the other contributors of endowments for the chairholders were recognized. The faculty are Pankaj K. Agarwal, Earl D. McLean Jr. professor of computer science; Richard B. Forward Jr., Lee Hill Snowdon professor of zoology; and James T. Hamilton, Oscar L. Tang Family associate professor of public policy studies. I was especially pleased that three other Bass Fellows were honored as a result of generous philanthropy of our Trustees. M. Susan Lozier was named Truman and Nellie Semans/Alex Brown and Sons associate professor of Earth and ocean sciences; Charles M. Payne was named the Sally Dalton Robinson professor of history; and Gregg E. Trahey was named James L. and Elizabeth M. Vincent professor of biomedical engineering. We are extremely grateful for this strong support from our Trustees for these outstanding teacher-scholars.

On April 27, 12 professors were honored at the annual Distinguished Professors Banquet at the Washington Duke Inn and Golf Club. The recipients of university-wide chairs were Bryan R. Cullen, James B. Duke professor of genetics; and Alfred Goshaw, James B. Duke professor of physics. Jean O'Barr, University Distinguished Service professor of the practice of women's studies, was recipient of a chair for service to the university. The recipients of school-specific or eponymous chairs in the School of Law were James D. Cox, Brainerd Currie professor of law; Deborah A. DeMott, David F. Cavers professor of law; and Jerome H. Reichman, Bunyan S. Womble professor of law. In the Pratt School of Engineering were David F. Katz, Nello L. Teer Jr. professor of biomedical engineering; and Kishor S. Trivedi, Trustee Emeritus Gerry Hudson professor of electrical and computer engineering. Chairs in the Trinity College of Arts and Sciences were Bruce Lawrence, Nancy and Jeffrey Marcus humanities professor of religion; Valentin Y. Mudimbe, Newman Ivey White professor of literature; and Maureen Quilligan, R. Florence Brinkley professor of English. And in the Fuqua School of Business, we had Katherine Schipper, L. Palmer Fox professor of business administration.

We reported in February that the Alfred P. Sloan Foundation had awarded Sloan Research Fellowships for 2000

to four young assistant professors in the sciences at Duke. We have since learned that two additional faculty members received Sloans -- Michael Ehlers in neurobiology, and John Graham in economics from the Fuqua School. These awards demonstrate the tremendous success the university has had in faculty appointments in recent years. Each award provides \$35,000 in unrestricted foundation support for the recipient over two years.

For his decades of pioneering work in exploring the earliest origins of primates, Elwyn Simons, James B. Duke Professor in biological anthropology and anatomy, and scientific director of the Primate Center, has been awarded the Charles R. Darwin Award for Lifetime Achievement in Physical Anthropology. The American Association of Physical Anthropologists cited Professor Simons for his contributions to our knowledge and understanding of primate evolution, his widespread and seminal influence as a scholar and teacher, and his service to the profession.

Bill Taub has won the Brandy McDaniel Social Worker of the Year award for his work with cystic fibrosis patients at the Medical Center's pediatric social services department. The award is presented annually to the social work professional who has demonstrated the highest professional standards.

Staff News

Each year Duke honors a few employees who have made truly distinctive contributions to the university. We are extremely grateful to the dedicated staff across the campus, who day-in and day-out make Duke such an extraordinary place to teach and to learn. A total of 24 employees were honored with one Presidential Award and five Meritorious Service Awards in each of four categories representing the variety of jobs at Duke. Those winning the Presidential Awards were: in the Administrative/Professional area, Tammy Moser Havener of the pathology department; in the Office/Clerical area, Robin Puckett of the Nicholas School of the Environment; in Service/Skilled Crafts, Sarah Parrish of the Cardiac Catheterization Laboratory; and in the Technical/Professional category, Corazon Manares of the Clinical Coagulation Lab. We're also creating three new honors for Duke employees -- the Blue Ribbon Awards for Diversity, Teamwork and Random Acts of Kindness.

We have had sobering news as well. Karen Paschall, a beloved 24-year employee at the medical center, news service, and most recently human resources, was shot and killed in her Durham home in March while talking on the telephone. An estimated 1,000 friends and co-workers attended her funeral in the Chapel, and remembered together all the good that Karen did. She helped raise money for the Durham Public Education Network, she volunteered in the Durham schools and in the community, and served as a children's dance instructor at the Hayti Heritage Center. A grant program has been established in Karen's name by the Durham Public Education Network to teach students non-violent conflict resolution skills and to support other programs aimed at preventing violence. Karen's senseless death has bolstered local interest in the "Million Mom March" to be held on Mother's Day in support of legislation aimed at reducing the proliferation of firearms in the United States. Local organizers estimate that as many as 100 Duke students and employees have committed to participate in the march.

Duke Research

In each of these reports in recent years, I have highlighted some of the research advances at Duke that have been reported since our last meeting. Once again, I'm pleased to note that faculty members have generated an impressive range of knowledge, both theoretical and with the potential for practical application.

David Needham, professor of mechanical engineering and materials science at the Pratt School of Engineering, has discovered a promising new approach to treating cancer. Professor Needham uses sub-microscopic drug

carriers called liposomes that release their anti-cancer agents when triggered by heat. The development, tried so far only in lab animals, raises the possibility of treating cancers by injecting such liposomes into cancer patients and applying heat only at the region of a tumor to selectively release cancer-killing drugs. Needham's liposomes have received patent protection, and Duke has licensed the rights for commercial development to Celsion Corp. of Columbia, Maryland. Celsion helped support the initial animal study at Duke's Comprehensive Cancer Center and will also support further research at Duke and elsewhere using the new liposomes. Other support came from the National Institutes of Health. Professor Needham's work is a good example of one of the kinds of interdisciplinary strengths at Duke that we hope to build on in the planning process Provost Peter Lange is now leading.

Much of the research with potential for practical application comes, of course, from our medical center. When the American College of Cardiology had its annual scientific meeting a few weeks ago, Duke heart specialists reported on a wide variety of research findings that may help improve patients with heart disease. Duke researchers reported that as many as one-third of patients who experience a second heart attack shortly after being hospitalized for a first heart attack, continue to be treated conservatively in spite of newer and more aggressive therapies. Dr. Michael Hudson, cardiology fellow at the Duke Clinical Research Institute, says that mortality rates could be increased almost threefold if physicians treated patients more aggressively. The research was based on Hudson's examination of data collected in two large clinical trials supported by several drug companies.

Another study found that plain aspirin stood firm against its would-be rival, sibrافiban, in stopping blood clots from forming in patients at risk for a second heart attack. Dr. Kristin Newby, assistant professor in the Division of Cardiology working through the Duke Clinical Research Institute, said the study showed that aspirin remains an effective drug that is easy to administer, inexpensive, and carries minimal risk. Sibrافiban is an oral version of a family of drugs called glycoprotein IIb/IIIa platelet inhibitors. While drugs of that type that are delivered intravenously do produce benefits, the research documented that the benefits may not be as great as originally predicted. The data Newby looked at came from a study funded by Hoffman-LaRoche, Inc. Another study from the DCRI suggested one reason only modest benefit is seen from these intravenous drugs in patients with acute coronary syndromes is that they are sometimes given to people who would gain very little benefit from them. The researchers discovered that a simple blood test identified patients who benefited markedly when the drug was used. Lead investigator of that study was Dr. Robert Harrington, and his research was funded by Hoffman-LaRoche Inc., developers of one of the drugs.

Duke psychologist Edward Suarez found that, when put under emotional stress, people with low levels of the brain chemical serotonin showed a significant rise in immune system proteins known to contribute to heart disease. Subjects with normal or high serotonin levels did not show increased production of these proteins under the same stressful conditions, the study found. Suarez says his study, which was supported by the National Heart, Lung and Blood Institute, may explain why depressed and hostile individuals, who often have low serotonin levels, die more often from heart diseases and other illnesses that involve a heightened immune system response.

Contrary to popular belief, people with hard-driving, control-oriented personalities are not necessarily at greater risk for high blood pressure, heart attacks and other stress-related ailments unless they are unable to exert that control over their life circumstances. In fact, Gary Bennett, Jr., a graduate student in psychology at Duke's Behavioral Medicine Research Center, says many people with this personality trait can accomplish a great deal in their careers without damaging their health -- as long they approach work without hostility and their jobs allow them a fair amount of control and advancement. The research was funded by the National Institutes of Mental Health.

When a team of specialists cares for patients with congestive heart failure, the costs of treating these patients can be reduced by more than one-third, according to a new cost analysis conducted at the DCRI. Dr. David

Whellan, a cardiology fellow at the DCRI, said these savings are realized from shifting the focus of care from costly in-hospital settings to more frequent, inexpensive outpatient visits. Whellan says that for patients with chronic diseases like heart failure, we now know how to implement a disease management program that can close the gap between what we know and what is practiced. Since team members interact more often with patients -- either in the clinic or by telephone -- they can make more effective use of medications, especially newer and more powerful agents that many physicians may not feel comfortable using. The study was funded by Duke's Office of Science and Technology, which is supporting a number of projects investigating the use of evidence-based medicine teams in treating chronic medical conditions.

The ability of evidence-based medicine to change physicians' practice habits was tested in a novel study at the Duke Clinical Research Institute -- and the reports are not encouraging. Researchers wanted to see if findings from an important trial on the best way to treat heart disease in diabetic patients actually changed how doctors use that knowledge. The study showed that it didn't, due to physicians believing they already know the best way to treat their patients. Cardiologist Dr. Darren McGuire, who performed the analysis with his Duke colleagues, Drs. Kevin Anstrom and Eric Peterson, said the findings could hint at a more widespread problem in medicine. He said it appears that physicians continue to believe what they are doing is right, even in the face of evidence to the contrary. The data came from a large federally-funded trial in the treatment of diabetic patients.

A study funded by the National Cancer Institute, the Department of Veterans' Affairs, and the Duke Committee for Urologic Research, Education and Development at the Duke Comprehensive Cancer Center and elsewhere suggests that men who develop vertex baldness -- loss of hair at the crown -- at a relatively young age may be at a higher risk for heart disease and prostate cancer than those who experience either no hair loss or frontal baldness only. Male pattern baldness, coronary heart disease and prostate cancer are all linked to high levels of testosterone. Wendy Demark-Wahnefried, associate research professor of urology, and her colleagues have examined data from two separate studies and found that men who reported that they were balding at the crown by age 30 were significantly more likely to have developed prostate cancer than others.

Scientists have long known that immune system cells known as "killer CD8" cells attack the AIDS virus after it enters the body by killing virus-infected cells. They also have known that CD8 cells can stop the virus from infecting new cells. A team led by Dr. Michael Greenberg at the Duke University Center for AIDS Research has found that CD8 cells continue to fight the virus after it enters another kind of immune system cell and begins to reproduce. The new findings, reported in the March 28 issue of the Proceedings of the National Academy of Science, could provide insights into possible novel protective strategies. The research was supported by the National Institute of Allergy and Infectious Diseases.

A number of studies at Duke have focused on ways to help people stop smoking. That research appears also to pay off in other ways. For example, research using rats shows that a drug medical center researchers have successfully used to help people quit smoking may also help curb cocaine cravings. The drug, mecamylamine, originally was used to treat high blood pressure. Scientists now know that it blocks some of nicotine's ability -- and potentially that of other chemicals -- to generate feelings of pleasure in the brain. The rat study was directed by Edward Levin, associate professor in the Department of Psychiatry and Behavioral Sciences, and funded by the National Institutes of Health.

In an entirely different area of research, Professor of Medical Psychology Susan Schiffman and Research Associate Jennifer Zervakis have found that the innate desire to taste food and derive pleasure from that sensation is so strong that people sometimes stop taking life-saving medication simply because it tastes bad or ruins the flavor of otherwise enjoyable foods. In a series of studies, Schiffman and her colleagues found that specific drugs, either with a foul taste or which significantly distorted the flavor of foods, that were used to treat AIDS, heart disease, and depression, explains why some patients fail to take medications as recommended. The research is funded by the National Institutes of Health; in upcoming studies, Schiffman and Zervakis will test ways to alter the biochemical process of taste by changing the taste cells' signaling mechanisms.

And finally, sociology professor John Wilson and his colleagues have found that women not only are more likely to volunteer their time now than in previous years, but they do so despite being more likely to hold jobs outside the home. A new look at a nationally representative sample shows that women are more, rather than less, likely to volunteer than their mothers were at the same age. The researchers also found that women who work part time volunteer the most, while women who work more than a 40-hour week volunteer more than women not in the labor force. The work was funded by the Aspen Foundation.

In Other News

Twenty-two Durham teenagers in a Duke-sponsored mentoring program offered advice to U.S. Senate staffers on two vexing public policy issues -- homelessness and student privacy -- during a trip to Washington in March. The presentation and tour of the nation's capital were the early highlights of a year-long focus on leadership by students enrolled in Partners for Youth. The two-year-old program is part of our Duke-Durham Neighborhood Partnership Initiative. The trip was funded with support from the Best Buy Children's Foundation and has support from a variety of sources, including The Duke Endowment.

We announced in March that internationally renowned architect Rafael Viñoly has been selected to design the new Nasher Museum of Art. Mr. Viñoly is an exceptional architect, and his selection brings us much closer to the establishment of a new facility for teaching, for attracting special exhibitions and for displaying our diverse holdings. Viñoly may be best known for his recent completion of the Tokyo International Forum, a \$1.6 billion cultural center with an expansive glass hall and four exhibition spaces of varying sizes, the largest of which sits 5,000 people. Among his other major projects are the Regional Performing Arts Center in Philadelphia, the Princeton University Stadium in New Jersey, and the Samsung Cultural and Education Center in Seoul, Korea.

This week in Perkins Library we celebrated with the family of Julian Abele, the African American architect of Duke's West Campus, an exhibit of Abele's work which was curated by Professor of Art Richard Powell, with help from University Archivist William King. This is the first exhibit of Abele's work. Abele probably never saw the campus he designed because, as an African American in the 1920s and 30s, he would not have been welcomed in the South. I am especially pleased that we could honor this distinguished American architect whose contributions to Duke are manifest in this remarkable campus, and welcome back his family, including several Duke graduates. The exhibit is part of the 75th anniversary celebration of Duke's founding.

One of the many wonderful things about this university is the variety of its arts collections. The photographs of the late William Gedney are an example. The subjects of his images were as diverse as coal miner families in eastern Kentucky, Hindu worshipers in India, and counterculture youth in the 1960s. But until recently, the photographs of the intensely private Gedney were largely unknown. Now a web site has been launched that captures his life's work. It is a project of the Digital Scriptorium and the Rare Book, Manuscript and Special Collections Library, which houses the archive of Gedney's work. The site, which logged 340,760 hits in February, the first full month that it was operational, has been made possible by our libraries and a grant from the Institute for Museum and Library Services.

The third annual DoubleTake Film Festival was held last month and, from all accounts, went very well. The international festival, presented in association with the Center for Documentary Studies at Duke, celebrated the power and artistry of documentary cinema by showcasing new films and videos as well as compelling documentaries from the past. Screenings included regional, national and international documentaries, and more than 40 film makers and guests, including documentary film makers Ken and Ric Burns, feature film director Joel Schumacher, MTV reporter Serena Altschul and film curator Alan Berliner, took part in discussions, receptions and workshops.

I'm happy to report that once again, the medical school, law school, and Fuqua School of Business were ranked in to the top 10 in U.S. News & World Report's rankings of the top graduate schools. The medical school was placed 6th, Fuqua moved up from 9th to 8th, and the law school slipped from 8th to 10th. Among specialty programs, the medical school's physician assistant program was placed Number 1 in the nation, and physical therapy was tied for Number 3. The Pratt School of Engineering placed 33rd among 219 graduate engineering programs, and its biomedical engineering program was ranked 4th in the nation. Environmental engineering at Duke was ranked 18. The School of Nursing, which was unranked four years ago and was in 32nd place two years ago, moved up to Number 27 in the latest rankings for graduate schools. The nurse practitioner program in gerontology was ranked 9th. Fuqua's executive MBA program was ranked Number 4 in the nation, and the part-time MBA program was in 22nd place. The health sector administration program tied for 12th. The law school's program in international law was ranked 11th, dispute resolution was placed 13th, health law also was ranked Number 13, and intellectual property law was ranked 24th.

Duke Athletics

And last, but certainly not least, this continues to be another successful year for Duke athletics. The women's golf team is ranked Number 2 in the country and will soon defend its national championship. Women's lacrosse, ranked Number 3 in the country, is trying to repeat its success from last year and return to the Final Four. The women's basketball team finished in a first-place tie for the ACC regular season championship, then won its first ACC Tournament title ever by defeating UNC in an incredible championship game. Women's tennis, which just won its 13th consecutive ACC championship, is again in the running for a national title. Women's track and field has had an outstanding year, and the women's soccer and field hockey teams returned to the NCAA Tournament this year. In addition, our new women's rowing team earned several medals at the Southern Intercollegiate Rowing Association championship.

On the men's side, the soccer team pulled off an achievement similar to women's basketball -- they not only won the ACC regular-season title but also won their first ACC tournament. In fact, men's soccer went undefeated during the regular season, earning them the Number 1 ranking in the country. Men's basketball also was ranked Number 1 in the country at the end of the regular season, captured their second straight ACC Tournament, and made a third straight appearance in the Sweet 16 of the NCAA Tournament, despite losing five key players from last year's team. The men's lacrosse team is still very much in the hunt for a national crown this year. So is men's tennis, which recently won its sixth ACC title in the last seven years. And the men's track and field and cross country teams made great strides -- no pun intended -- this year, becoming a legitimate Top 25 program without the benefit of scholarships. Additionally, the baseball team, under new coach Bill Hillier, turned its season around by winning two of three games at nationally ranked Georgia Tech this season.

In late May and early June, Wallace Wade Stadium will be the center of the college track universe when it is the site for the NCAA Track and Field championships. It is truly fitting that Duke is hosting this major event because our revered track-and-field coach, Al Buehler, plans to retire after the NCAA meet. Since he arrived on campus in 1955, Coach Buehler has helped thousands of young athletes achieve their potential. His cross country teams won six ACC championships. And his peers have thought so highly of Coach Buehler that he has served as head manager of the U.S. track and field team at Olympic Games in Munich, Los Angeles, and Seoul. I seriously doubt that Coach Buehler will no longer be a part of the track scene. I recall him saying in a 1996 interview, "I'm like an old fire horse. Every time the bell rings I'm ready to go." Still, we will miss his upbeat presence on campus.

As always, I would be pleased to expand on any item in this report that you would like to know more about.