



February 14, 2003

MEMORANDUM

**DUKE
UNIVERSITY**

To: Members of the Duke University Board of Trustees

From: Nannerl O. Keohane

Subject: Summary of Activities

I trust that all of you had a wonderful holiday with family and friends. We've had much to celebrate here at Duke - everything from weathering a historic ice storm to attaining a major milestone in our Campaign for Duke. I am pleased to provide this report of some of the honors and activities of our faculty, students, staff and alumni since the Board's December meeting.

Campaign for Duke

Just as Trustee Peter Nicholas predicted at our October meeting, the Campaign for Duke has now passed the \$2 billion mark. When I think back seven years ago to when we embarked on this campaign, such a figure would have seemed outrageously ambitious, even by Duke standards. But through the leadership of Ginny and Pete Nicholas and the loyal efforts and generosity of hundreds of thousands of donors and volunteers, Duke has been able to reach this historic milestone nearly a year ahead of schedule.

It's truly astounding what this campaign will mean for Duke and its future.

We've raised \$281 million for financial aid, which will allow Duke to continue to be affordable to all students. We've raised another \$150 million to establish 95 professorial chairs and to support lab facilities and other faculty needs. All told, about half of the campaign total has been directed to fund faculty research and university programs.

The list of facilities built or renovated during the campaign is impressive. They include the McGovern-Davison Children's Hospital, the John Hope Franklin Center for Interdisciplinary and International Studies, the Brodie and Wilson recreational centers, the West Edens Link, the Fox Student and Magat Academic Centers at Fuqua, the Schwartz-Butters Athletic Center, the Ambler Tennis Stadium, the Sheffield Tennis Center, the Yoh Football Center and the Doris Duke Welcome Center in the Sarah P. Duke Gardens.

Other facilities, including the Center for Interdisciplinary Engineering, Medicine and Applied Sciences and the Nasher Museum of Art, are under construction, while construction of still others, including the sciences center, the Albert Eye Research Institute, a second public policy building, an addition to the Divinity School and the renovation of Perkins Library, are scheduled.

Even though we have reached a goal, there are still significant areas of need that require our sustained attention: financial aid for undergraduate, graduate and professional students; support for our faculty; unrestricted endowment funds; and funds to complete our facilities. As you know, the Campaign for Duke ends Dec. 31, and we hope to "fill all our buckets" by that time.

Many people are responsible for helping Duke become only the fifth American university to reach the \$2 billion level in a single fund-raising campaign. They include deans, trustees, development staff, dedicated volunteers and generous donors. This support for Duke's most important goals and its future has been truly remarkable.

Commencement

Another exciting piece of news is that United Nations Secretary-General Kofi Annan will deliver our 2003 commencement address on May 11.

As leader of the world's preeminent international organization, Secretary-General Annan has been a tireless advocate for equality, tolerance and human dignity. In this time of international uncertainty, we are honored to have such a distinguished leader speak to our graduates and their families. The secretary-general is well known for his crusading work against poverty and HIV/AIDS, for championing the protection of human rights and the environment, and for reforming the U.N. organization. In 2001, his efforts were recognized when he and the United Nations were awarded the Nobel Peace Prize.

We were told that Secretary-General Annan chose Duke among the many speaking invitations he receives in part because of the university's commitment to HIV/AIDS research. I am certain that everyone present at commencement will benefit from hearing his message.

Class of 2007

In December, we notified 472 high school seniors that they are the first members of Duke's Class of 2007. The number of Early Decision applicants was down this year -- about 10 percent fewer than last year -- but Director of Undergraduate Admissions **Christoph Guttentag** reports that the applicants were stronger overall. For those admitted in December, the average SAT score is above 1,400; nearly 20 percent are students of color; and the states with the most representatives are New York, Florida and North Carolina.

A few universities -- including Yale, Stanford and the University of North Carolina at Chapel Hill - recently announced that they are replacing their binding Early Decision policies with non-binding Early Action plans. Duke is not contemplating such a change at this time. By limiting the number of Early Decision admits to less than a third of the class (29 percent this year), Duke leaves the large majority of places to students who do not wish to make an Early Decision commitment. Most high school seniors don't have a clear first-choice college by the end of October, and we want to make sure they they're not at a disadvantage when they apply to Duke.

Even though the number of early applicants was down this year, the total number of applicants this year is a record - more than 16,200. Another significant statistic this year is that the percentage of admitted students who applied for financial aid is the highest in five years. Of the 472 admits, 205 (43 percent) indicated they would apply for need-based financial aid. Last year, that figure was 39 percent.

"It could just be the economy, that people are hedging their bets more," Guttentag said when announcing the statistics. "But I think it also represents the fact that a higher percentage of people believe that our commitment to making Duke affordable is real. That's a really positive sign."

Rhodes and Mathematics Awards

I was proud to learn that two of our seniors were among the 32 recipients selected for Rhodes Scholarships in December. **Dave Chokshi** of Baton Rouge, La., a double major in chemistry and public policy studies, and **Jacob Foster** of Winchester, Va., a physics major, were chosen from among 981 applicants at 341 colleges and universities throughout the country. Dave and Jacob are both recipients of A.B. Duke Scholarships, and both were recently named winners of the Faculty Scholar Award, the highest honor that the Duke faculty can bestow upon undergraduates.

Duke's success over the last decade in prestigious competitions like the Rhodes, the Truman and the Goldwater

indicates how highly the intellectual community regards our students. It also reflects Duke's success in recruiting bright young people to campus and helping them reach their potential during their four years here.

Another indication of student success came during the latest William Lowell Putnam Mathematical Competition, a prestigious and grueling national event. A team from Duke scored third, behind Harvard and MIT, winning \$15,000 for Duke's Department of Mathematics. The three winning team members, **David Arthur, Nathan Curtis** and **Kevin Lacker**, each won \$600, and Lacker received another \$2,500 for being among the five highest-ranking contestants.

Moody's Rating for Health System

I am pleased to report that Moody's Investors Service has affirmed the Aa3 rating for Duke University Health System, revising its outlook from "negative" to "stable." The rating recognizes the hospital's global reputation as a leader in clinical and medical research, and signals Moody's approval of our long-term lease agreement with Durham Regional Hospital and acquisition of Raleigh Community Hospital.

As you may know, Moody's has been very tough on hospitals. It said the improved rating reflects our improved performance, as Duke has focused on core operations at all sites and garnered operating efficiencies through overhead and clinical consolidation efforts. Moody's remains concerned with the system's above-average debt load, an area we will continue to address.

Research Highlights

News of Duke's accomplishments has reached far and wide over the past several weeks, from *The New York Times* to National Public Radio and news outlets overseas. The following are just a few examples of Duke research since my last report.

In the largest study ever of baby sea turtles, Duke researchers found an unexpectedly small percentage of males on Carolina and Georgia beaches, which could bode ill for the future of the entire Southeastern loggerhead population. **Larry Crowder**, the Stephen Toth Professor of Marine Biology at the Nicholas School of the Environment and Earth Sciences, and his team, including researchers from two Florida institutions, also raised about 1,200 hatchlings and released them after identifying the genders. The research, funded mainly by a \$350,000 grant from the Environmental Protection Agency, should provide information critical to boosting the numbers of the threatened species.

Duke researcher **Elizabeth Brannon** and two outside colleagues reported in the journal *Psychological Science* that rhesus monkeys can learn the correct order of images and answer questions about them. The monkeys can choose which image came first in the same list and also compare the order of pictures that came from different lists. The scientists, whose research is supported by the National Institute of Mental Health and the National Science Foundation, said they have not yet found the limits of the monkeys' learning capacity.

In a study funded by the U.S. Department of Defense, Duke researchers found that pesticides and anti-nerve gas agents given to protect Gulf War soldiers in 1991 -- and still used by the military -- could explain veterans' complaints about sexual problems and infertility. Pharmacist **Mohamed Abou Donia** and his team found that rats exposed to the chemicals suffered cell damage to their testes and experienced reduced sperm production. Many Gulf War veterans have complained of sexual problems, from lack of libido to burning semen and infertility. The study was published in the *Journal of Toxicology and Environmental Health*.

A number of our top researchers have focused their talents on the fight against breast cancer. Dr. **Kimberly Blackwell**, assistant professor of oncology, reported recently that breast cancer tumors that stop responding to

the drug tamoxifen actually change their cellular characteristics and respond to other types of drugs, including Herceptin. The findings could mean a major advance for thousands of women who have limited options for cancer treatment, she said. The research was funded by an NIH Breast Cancer SPORE grant and an unrestricted research grant from GlaxoSmithKline.

Also, oncologists at the Comprehensive Cancer Center are testing a technique called "gene expression profiling" that subtypes each breast cancer tumor by its genetic defects so doctors can customize the treatment. Dr. **Matthew Ellis**, director of the breast cancer program, said the technique could spare millions of women from receiving toxic chemotherapy needlessly. His team, funded by a \$3.7 million grant from the Avon Foundation and the National Cancer Institute, is leading a national clinical trial to study gene profiling.

Other Duke researchers will lead a new study to help find out how far the nation's supply of smallpox vaccine could be stretched after a bioterrorism attack. The study led by Dr. **Emmanuel Walter**, associate director of the Primary Care Research Consortium of the Duke Clinical Research Institute, will determine whether diluted amounts of smallpox vaccine will boost immunity in previously vaccinated adults. The National Institute of Allergy and Infectious Diseases will sponsor the multi-site trial.

Duke researchers had an important presence at the 75th annual scientific session of the American Heart Association in Chicago this winter. Dr. **Pascal Goldschmidt**, chief of cardiology, led a team of researchers who found that, as people age, they lose valuable stem cells that continuously repair damage to blood vessels. This process may cause older people to develop atherosclerosis, which can lead to coronary artery disease. The research, based on experiments in mice, could lead to new treatments of one of the leading causes of death and illness in the country.

On quite a different research front, physicist **Vladimir Litvinenko** and his team at the Duke Free-Electron Laser Laboratory are testing a powerful new laser that would produce the tiniest three-dimensional holographic images ever achieved. Called the "Blue Devil OK-5," the new Russian-made laser is part of a 12-year-old research partnership between Duke and a Siberian physics laboratory. We hope the OK-5 is up and running by summer, and anticipate it could lead to some startling new research, including the ability to produce X-ray holograms of molecular-sized structures and to seemingly "freeze frame" blindingly fast chemical reactions in mid-flight. The project is partially funded by a \$3.2 million grant from the U.S. Department of Energy through the Triangle Universities Nuclear Laboratory (TUNL), a joint project of Duke, the University of North Carolina at Chapel Hill and North Carolina State University.

In addition to carrying out all of this and many other kinds of research, Duke experts have also written books recently that reached out to mainstream audiences. In their new book *Why We See What We Do: An Empirical Theory of Vision*, for example, Duke neurobiologist *Dale Purves* and Beau Lotto, of the Institute of Ophthalmology at University College London, claim that the human visual system does not generate a picture of what actually exists in front of the viewer at any given moment. Purves and Lotto describe eyesight instead as a reflex response to the accumulation of past experiences.

Swapping campuses

Although we're meeting during the height of the basketball season, when our neighborly rivalries are at a peak, I'm happy to report on some new interactions now taking place through the Robertson Scholars Program. For the first time, some of our Duke scholars are living on the UNC campus for a semester, and vice versa -- with interesting results. For instance, Duke scholar **Crystal Sanders** is rooming with her sister, Natalie Sanders, a UNC Morehead Scholar. Another Duke scholar, **Randall Drain Jr.** of Philadelphia, is continuing to compete on Duke's lacrosse team while living at UNC. Both of our local daily newspapers wrote wonderful feature stories about these exchanges.

Collaboration between our two universities has been greatly enhanced by the Robertson Scholars Program, which is funded by a \$24 million endowment gift from Julian and Josie Robertson. The four-year merit scholarship covers tuition, room and living expenses at UNC, and tuition at Duke. Robertson Scholars come together for special seminars taught by faculty of both universities, as well as for study-abroad opportunities, internships, research projects, service-learning programs and a full semester in residence at the other campus. The program also runs a free express bus between Duke and UNC and offers collaboration grants to faculty and students to support joint programs between the two universities.

Gifts and Congressional funding

During the holidays, I followed up on my October communication to the 15 members of the North Carolina Congressional delegation by asking them to encourage the House and Senate Appropriations Committee leadership to move quickly to complete the remaining appropriations bills and to provide the highest funding level possible for the National Institutes of Health, the National Science Foundation, the Department of Energy's (DOE) Office of Science and federal student aid programs.

The Association of American Universities, of which Duke is a member, sent a letter to the president and congressional leaders last October outlining the chilling effects that a long-term delay in funding might have for university research, including a reduction in the number of new grants and projects awarded this year by agencies such as NIH and NSF.

Meanwhile, Duke continues to compete well for available grant money. NSF recently awarded Duke a \$2.9 million grant to start a two-year Graduate Training in Biologically Inspired Materials program through the interdisciplinary Center for Biologically Inspired Materials and Material Systems, based at the Pratt School of Engineering. The center's director, **Robert Clark**, also a professor of mechanical engineering and materials science, tells us that this new curriculum will be unique not only to Duke but nationally. It will teach students how to use engineering principles to explore natural materials and processes in ways that could lead to biologically-based products. The grant will also fund undergraduate students, especially women and under-represented minorities, who wish to enter this emerging field.

In addition, NSF will provide \$360,000 to fund the Ralph Bunche Summer Institute for another three years. Political science professor **Paula McClain** has made this program one of the most important minority mentoring and recruitment programs in the country. Each year, Duke invites 20 of the country's best-qualified minority students to campus for six weeks of classes in politics and methods. The program seeks to present students with a sense of what professional political science is like, and how exciting it can be as a career. As a result, alumni of the Bunche program now include some of the most prominent junior and mid-level minority scholars in the ranks of political science departments across the country.

The BB&T Charitable Foundation has given a \$1 million grant to support the Markets & Management certificate program, Duke's interdisciplinary liberal arts approach to undergraduate business study. The grant will be used to support teaching of business ethics, speakers and conferences, faculty and student grants, and research in the Program on Value and Ethics in the Marketplace.

The Whitaker Foundation has awarded two grants totaling nearly \$2 million to the Pratt School to accelerate promising research and teaching programs in genomic technology and biomolecular modeling, as well as biophotonics, the merger of optical technologies with medicine. The awards to the school's Department of Biomedical Engineering will fund four new faculty members, support new Ph.D. fellowships, outfit two new laboratories and help develop new undergraduate and graduate courses in biophotonics and genomic technology.

As you know, expanding Duke's teaching and research capability in the sciences and engineering is an important priority in "Building on Excellence." I am thus especially pleased to report that the Duke Endowment has awarded \$13.5 million in gifts to Duke for science, engineering, research initiatives and other important projects. These gifts will enable us to create much-needed science, engineering and research programs and facilities that will unite disciplines and improve both teaching and research. The gifts will also give our students new opportunities to experience the excitement of research, and continue to enhance the ways in which they learn.

The Duke Endowment gifts provide \$6 million to support faculty from the departments of biology, chemistry, physics and biological anthropology and anatomy, and \$5 million for the new Center for Interdisciplinary Engineering, Medicine and Applied Science. The endowment will also provide \$1 million for the Center for Genome Ethics, Law, and Policy, a core component of the Institute for Genome Sciences and Policy; \$500,000 for expenses incurred during The Campaign for Duke; \$300,000 to restore the Aeolian Organ in Duke Chapel and \$700,000 to the Duke-Durham Neighborhood Partnership.

Duke and the Community

I was pleased when our colleague **Elizabeth H. Locke**, president of The Duke Endowment, described our Duke-Durham Neighborhood Partnership as making a "qualitative difference" in neighborhoods close to campus. The Endowment's \$700,000 gift will keep up the momentum by increasing programming at the Walltown Children's Theater, opening a health clinic in the new Lyon Park community center, continuing affordable housing initiatives in Walltown and supporting efforts by Durham Public Schools to close the achievement gap.

Over the past five years, The Duke Endowment has been an indispensable advocate of our efforts, donating \$2.5 million to the Neighborhood Partnership.

Those of you who attended the fall board meeting will recall the wonderful video and progress report on the Neighborhood Partnership presented by **John Burness**, senior vice president for public affairs and government relations. Duke's work with the 12 neighborhoods and seven public schools near its campus resonated so strongly with trustee emeritus Morris Williams that he and his wife Ruth made a \$500,000 donation to support the effort. Morris is a 1962 graduate who also earned a master's degree in teaching here in 1967. We are immensely grateful for the many gifts that he and Ruth have made to Duke over the years, in areas such as the Divinity School, athletics, medicine, arts and sciences and scholarship support. This latest gift is especially welcome since it will enable us to continue programs that truly benefit our community at a time when local government faces severe financial constraints.

Bill Donelan, chief financial officer for the health system, came up with still another way to help our community -- giving the former medical center laundry to the Durham Housing Authority to turn into housing for low-income senior citizens. The decision drew praise from city council members, who approved the necessary zoning changes so Duke could hand over the laundry, valued at about \$400,000, for a nominal amount and the cost of legal fees associated with the transfer. James Tabron, the director of the Durham Housing Authority, said he will pursue tax credits from the state housing finance agency to turn the 1960s-era industrial building into as many as 48 apartments. We are also considering installing a medical clinic at the new residence.

Honors and Awards

Youth Document Durham, a program that involves young people from diverse local communities in documentary projects, has received a 2002 "Coming Up Taller Award" from First Lady Laura Bush. Youth

Document Durham is a program within the Center for Documentary Studies that encourages youngsters to use oral history, interviewing techniques, research, writing, photography and other visual arts to examine topics ranging from jobs and careers to cultural diversity. Students from ages 10 to 16 present their work through publications, exhibitions, Web sites, radio and media projects, public forums and community service projects. The award carries a \$10,000 prize.

Grant Parker, an assistant professor of classical studies and an expert on the history of mapping and Roman history and literature, was chosen as one of nine "standout scholars" by *Black Issues In Higher Education*. The magazine recognizes scholars under the age of 40 for doing innovative research in their chosen field of study, as well as for reaching out to the next generation of scholars and working with students and communities of color.

The National Association of Student Personnel Administrators Foundation will present **Larry Moneta**, vice president of student affairs, with a Pillars of the Profession Award in March. This prestigious award recognizes student affairs professionals for their lifelong commitment to higher education, honoring them for their work with students, service as role models and contributions to the profession. Duke's former vice president for student affairs, Bill Griffith, is a prior recipient, so we're talking about an elite league. Larry has made major contributions to residential life and other areas during his time at Duke, bringing renewed energy and enthusiasm to our Office of Student Affairs.

Finally, the American Institute of Architects has named **Tallman Trask**, our executive vice president, as an honorary member-its highest honor for a non-architect. Noting that "his perceptiveness and sensibility have made him a virtual colleague in the design area," the AIA cited Tallman for his love of architecture and commitment to high-quality design both at Duke and in his previous position at the University of Washington. This is a well-deserved honor for Tallman who is often described as "practicing architecture without a license." Now he has one.

Fuqua builds alliances, expands

Extending our global reach and influence is an important priority in "Building on Excellence," and the Fuqua School is furthering that cause through a partnership with Seoul National University's College of Business Administration, the finest business school in Korea. The new alliance will allow Fuqua's two-year-old Cross Continent MBA program to expand from campuses in North America and Europe to a third campus in Asia. Starting in 2004, the schools will begin swapping students and professors for a globally integrated education on three continents. We expect final agreement upon formal acceptance by both universities' faculties, administrations and boards of trustees.

Here at home, Dean **Douglas T. Breeden** announced that Fuqua will increase the size of its daytime MBA student body by almost 20 percent beginning in August. Faculty will grow to about 95 by 2005. Even as it continues to grow, the school will remain smaller than many of its competitors, preserving the quality of its programs and its collegial and team-oriented environment.

Major Appointments

Adding to the exciting news coming out of Fuqua lately, I am pleased to announce the appointment of **Robert A. Garda** as director of the school's International Center. Garda's major roles will be to oversee the center, help American students gain an international educational experience and integrate foreign students into Fuqua. Garda has been an executive in residence and marketing faculty member at Fuqua for the last five years. Before that, he was chief executive officer of Nashville-based Aladdin Industries. He attended Duke on a football scholarship and graduated in 1961 with an electrical engineering degree before receiving his MBA from Harvard in 1963.

Michael R. Gettes, who helped develop Georgetown University's network and computing services, has been appointed senior technology architect and strategist in the Office of Information Technology. **Tracy Futhey**, Duke's vice president for information technology, says Gettes will stimulate discussions across campus about Duke's future technological environment. His expertise and experience will also help us plan and build a robust infrastructure to support Duke's core missions of teaching, research and patient care. He arrives on campus in April.

New Web Site

Speaking of information technology, the redesign of Duke's main Web page has been completed and is now available for all to see. Developed by our Office of News and Communications in close collaboration with many others across the university, the new design will steer visitors more quickly to their destinations while highlighting the liveliness and intellectual vitality of the Duke community.

The overhaul is a response to repeated complaints from Duke's cyberspace visitors that the six-year-old site was obsolete, confusing, frustrating to use and unreflective of the Duke experience. Research also has shown that Web sites have a growing influence on how prospective students and other visitors perceive the university.

Student media projects

If you prefer television to online surfing, you may want to tune in to Cable 13 while you are here to catch an episode of DevilTime, Duke's first student-run televised news program in a decade. It's a very light-hearted program whose format is somewhere between NBC's morning "Today Show" and Comedy Central's satirical "The Daily Show." Students completed four broadcasts last semester -- on a \$100 budget -- and plan a new show every other Tuesday this semester, with repeats daily. The show is not for the faint-hearted or overly serious viewer (but it is fun).

Another interesting media experiment is the Froshlife iMovie project. Teams of first-year students were invited to use digital video cameras and Apple Computer's iMovie software to produce three- to five-minute films about "the first-year experience." The winning entries -- judged on innovative use of technology and cinematic quality by a panel of students, faculty and administrators -- won dorm-wide prizes for their residence halls.

Vice President for Student Affairs **Larry Moneta** says the benefits of the iMovie project are numerous. "It has forced the students to be more observant and to find the nooks and crannies of campus life," he said. "Because Froshlife is restricted to entries from teams based in freshman residence halls, it has also helped to build community and strengthen first-year class identity." The project also provides students with early exposure to cutting-edge computer equipment. Student Affairs is co-sponsoring it with Duke's Office of Information Technology and Apple Computer.

Martin Luther King Jr. Celebration

We celebrated our 14th annual Martin Luther King Jr. Commemoration Week by inviting Harvard Law School professor Lani Guinier to speak at Duke Chapel. She reminded us that it's important to try to learn from the experiences of people of color who live at the margins of our society. "Not to remake them in our own image," she stressed, "but to enable us to remake this great country so that it reflects all of our images."

Other events during the weekend included a standing-room-only screening of the film "Two Towns of Jasper"; a poetry slam by poet Saul Williams; and a panel discussion titled "Conversations on Health Disparities."

Women's Initiative

Many of you will recall the initiative we've undertaken to explore the special issues facing women at Duke. Although our timeline doesn't call for a final draft of our Steering Committee report until the end of June, I can share with you some of what we've already learned.

Based on data gathered from women employees, including those in the Health System, we know that the major concerns of our women employees involve child-care and maternity leave policies, flexible work options, professional development and mobility, and respect for all employees. We are already looking at ways to make improvements in these areas.

We have also begun thinking about how to enhance the undergraduate experience for women students. The peer culture is very strong at Duke, and it puts pressure on women to conform to norms of both "feminine behavior" and high academic achievement. Subtle forms of sexism, racism and homophobia in the student culture also affect the environment for women, and of course for men as well.

Some Duke women also lack the kinds of close relationships with peers or adults that would bolster greater resiliency and autonomy. We are beginning to consider developing a program for women at Duke that would offer both curricular and co-curricular components, bringing some of the best aspects of a women's college to our research university setting.

In addition, Provost **Peter Lange** and I have charged a Women's Faculty Development Task Force to make recommendations about how to improve the representation of women on our faculty. With considerable data now available about the numbers of women in certain disciplines, and the distribution of women faculty at Duke, the Task Force is developing strategies for recruiting and retaining women in the professional schools, as well as in various departments in the humanities, social sciences and natural sciences.

Finally, before I leave the subject of women, I would be remiss if I failed to mention the excitement shown by our students over our women's basketball team. For the first time in history, Cameron was sold out for a women's game when our No. 1-ranked Duke women hosted the University of Connecticut Feb. 1. Even though we lost that game, the crowd support was nothing short of electric, easily matching the intensity shown at our men's games. My great hope is that the students will continue to support **Coach Goestenkers** and her team so strongly in the future.

Duke in the News

The university has received hundreds of complaints, and been taken to task in a *Wall Street Journal* editorial, for extending an invitation to Laura Whitehorn to participate in a speaker series at Duke. Whitehorn was recently released from federal prison after serving more than 14 years for her role in planting a bomb in the U.S. Capitol building in 1983, in protest of the U.S. invasion of Grenada. She has been active in recent years on behalf of prisoners who are HIV-positive.

Whitehorn was invited to speak in March about HIV/AIDS in prisons by a visiting professor at Duke who is teaching a graduate course, "Teaching Race, Teaching Gender," in Duke's African & African-American Studies Program. As you know, Duke does not exert control over or pressure its faculty and departments in their selection of campus speakers. One of our nation's greatest values, and one we at Duke celebrate, is the freedom for people to express their thoughts openly. Students, faculty and other members of the Duke community benefit from hearing and debating a wide variety of ideas. We have confidence in the ability of the members of our community to analyze and critique the arguments they hear. In this same spirit, we posted online an interesting sample of the many comments we received, both pro and con.

On a different topic, Duke has also received considerable publicity recently for its long-running legal case with

a former professor, one that could end up affecting the practice of scientific research at universities nationwide. The case centers on John Madey, a physicist who moved to Duke from Stanford in 1988. Duke built an addition to its physics building to house the innovative free-electron laser that Madey helped to pioneer. The device, which can be tuned to different frequencies, gives researchers a new view of problems ranging from physics to brain surgery

Nearly a decade later, following a series of disagreements, Duke removed Madey as head of its free electron laser lab. He resigned soon thereafter and took a position at the University of Hawaii, Manoa. The Mark III laser he brought from Stanford, however, remains at Duke. Madey sued, demanding return of the equipment and charging Duke with infringing on two of his patents. Duke contends the laser is essential to its federal research obligations. A lower court sided with Duke, saying the university was legitimately using the devices for "experimental, nonprofit purposes only."

However, in October, a federal appeals court disagreed, and now Duke has petitioned the U.S. Supreme Court to review the federal decision that substantially narrows the ability of academic scientists to use patented technology for limited purposes in basic research. The ruling has attracted concern from national research organizations and universities that fear it could hinder researchers who study everything from environmental processes to the mysteries of human cells.

Provost **Peter Lange** notes this ruling, were it to stand, would have the potential to complicate substantially, and thereby impede, research throughout the university. "A scientist's ability to respond spontaneously to insights during the research process promotes true exploration and discovery," he said. "This process, and university research generally, has proven to be one of the greatest, and least costly, sources of innovations that promote economic growth and technological leadership."

The Ice Storm

Finally, I want to express my appreciation to all those members of the Duke community who helped out when the severe ice storm hit in December. Duke was fortunate because our underground power grid kept operating, but hundreds of thousands of people did lose power. That's when Duke folks pitched in to help, including arranging with the county to open the Intramural Building to serve people with special medical needs. The county sent army cots and sheets provided by the Red Cross, and also blankets from the county jail.

Jim Wulforst, manager of Duke Dining Services, and his staff served meals to several hundred Durham police, fire and utility workers and donated food for 800 people at another Red Cross facility. Wulforst also personally lugged bagels, deli sandwiches, pizzas and a variety of hot foods, as well as bottled water, soft drinks and coffee to the Intramural Building. Many others were involved in this effort as well. You may recall that Duke was criticized for not doing more for the community during Hurricane Fran; I think our response this time better showed our deep commitment to the Durham community.

Similarly, within our own campus community, **Rob Sikorski** and his colleagues at the John Hope Franklin Center provided much-needed shelter for faculty, staff and families. Our Facilities Management crews worked tirelessly in difficult conditions to clear roads and open buildings. Duke people everywhere rose to the occasion, displaying great initiative and dedication during a very challenging period.

The ice storm did cause the worst damage ever at the Sarah P. Duke Gardens, which were closed for several days. Parts of Duke Forest still remain closed to the public as work crews continue to remove overhanging broken tree limbs and other material from forest trails and roads.

As always, if you have any questions or want additional information about any item in this report, I trust that

you will let me know.