

February 10, 2005

MEMORANDUM

TO: Members of the Duke University Board of Trustees

FROM: Richard H. Brodhead

RE: Summary of Activities

As usual, the agenda for the Winter meeting is brimming with important topics, including the processes in place for the renewed round of strategic planning. We'll be talking about many other issues at length, of course, and I look forward to receiving your reactions and counsel. Despite the ostensible downtime of the recent holidays, Duke people have been busy as ever, as you will notice from this summary of highlights of recent news, events, and scholarship.

Passing of President Emeritus Douglas Knight and Dr. William Shingleton

I note with sadness the passing of two key figures in Duke's modern history: **Douglas Knight** and **William Shingleton**. President Emeritus Knight, who led the university from 1963-1969, died in January at the age of 83. It was a privilege to know him even briefly and an honor for me to have his participation in my inauguration last Fall. During his tenure at Duke, Doug Knight launched a number of durable initiatives that included the joint M.D.-J.D. and M.D.-Ph.D. degrees, the university's first art museum, a school that became the Fuqua School of Business, the addition of a phytotron and a hyperbaric chamber, and construction of a major wing of Perkins Library that quintupled its capacity. It was he who first proposed creating Central Campus, about which we will talk more when we meet. We mourn his loss and will honor his memory at a memorial service in the Duke Chapel on April 15.

Last month also saw the passing of the founder of the Duke Comprehensive Cancer Center, Dr. Bill Shingleton. Shingleton, a North Carolina native and distinguished surgeon, helped secure startup funding from the National Cancer Institute and led the Cancer Center to a position of prominence from 1972 through 1987, increasing its complement of physicians and scientists from 50 to more than 360 while dramatically expanding clinical and laboratory space. Today the Cancer Center is recognized as a national leader, and our faculty receive more than \$200 million annually in peer-reviewed research funding.

Campus Response to Tsunami

A sadness that cut across every border was generated by the news of the Southeast Asian tsunami. Hardest hit, of course, were the many touched members of the Duke community with family and friends in that corner of the globe. Paradoxically, such disasters also highlight the intellectual resources of a great university. Experts such as assistant public policy professor **Anirudh Krishna**, who studies poverty in developing countries; Dr. **John Fairbank**, associate professor at Duke University Medical Center and co-director of the National Center for Child Traumatic Stress; and Nicholas School of the Environment and Earth Sciences professors **Randy Kramer**, **Peter Malin**, **Orrin Pilkey**, and **Stuart Pimm** – scholars of rural economic development in Indonesia and Sri Lanka, earthquake seismology, coastlines, and conservation ecology, respectively – were quick to help interpret the event, explain its causes and conditions, and advise the media, leaders, and the Duke community on how best to help.

With compassion and alacrity, our students, staff, and faculty – with the help of Student Affairs, Community Affairs, Religious Life, and the Community Service Center – responded to the disaster by launching drives to raise donations through food points, a benefit CD, outright gifts, and other means; to provide volunteer service opportunities; to marshal research and educational resources; and to organize faith responses. Chancellor **Victor Dzau** and his colleagues in the Medical Center and Health System have explored how our medical and nursing personnel could assist in the region. The campus witnessed so many outpourings of a collective desire to help that we had to call a special meeting so people could learn of and build on others' efforts to help.

Continuing Education on Israel-Palestine Conflict

Meanwhile, the fostering of learning and conversation around Middle Eastern issues, jump-started by last Fall's Palestine Solidarity Movement Conference and the many programs of the Freeman Center for Jewish Life, continues to inform Duke courses, cultural events, guest speakers, and interactions. By the time we meet, Ambassador Dennis Ross, who as U.S. Envoy to the Middle East from 1988-2000 earned bipartisan recognition as our country's leading expert on the peace process, will have spoken at the Sanford Institute in a free public lecture. Thanks to the good work of Professor **Bruce Jentleson**, director of the Sanford Institute and a Middle East scholar himself, Ambassador Ross will have a full schedule of meetings with faculty and students during his much anticipated visit. Meanwhile, a joint Duke-UNC film festival dedicated to exploring Palestinian representations of self is already underway and will continue through April. Last month the Freeman Center and Duke's Center for Jewish Studies presented a guest lecture by Professor Naomi Chazan, a visiting fellow at MIT who was a member of the Knesset from 1993 to 2003. At the end of February, the Kenan Institute for Ethics director **Elizabeth Kiss** has arranged for Duke to host The Daniel Pearl Dialogue for Muslim-Jewish Understanding, a public discussion featuring both Judea Pearl, the father of the *Wall Street Journal* reporter who was kidnapped and murdered in Pakistan in February 2002, and Akbar Ahmed, a professor of Islamic Studies at American University and former cabinet officer from Egypt. Also, Professor **Chris Schroeder** in the School of Law has just confirmed that Daniel Alayon, the Israeli Ambassador

to the United States, will be speaking at Duke on March 7. All of these speakers and programs will help our campus community gain a richer understanding of the conflict that has divided Israel and its Arab neighbors, particularly the Palestinians.

Martin Luther King Celebrations

Learning the lessons of history and examining the use of art and education in the causes of social justice were themes of our Martin Luther King celebrations last month, as undergraduates orchestrated a “Freedom School” that drew their peers (and many others) to speakers, performances, and demonstrations throughout the week. Prison rights activist and UC-Santa Cruz professor Angela Davis delivered a keynote address in Page Auditorium, and musician and historian Bernice Johnson Reagon, who founded Sweet Honey in the Rock and the Smithsonian Institution’s Program in Black American Culture, delivered another one in the Chapel. Both were well attended and well received by members of the campus community.

Coincident with the King remembrances was the commemoration of James B. Duke Professor Emeritus of History **John Hope Franklin**’s 90th birthday, marked by performances, exhibits, and a panel featuring many personal tributes to his mentoring, scholarship, and influence. Dr. Franklin himself spoke about past and current efforts to address racism. We were especially pleased by the news from Mary Semans, Duke Trustee Emeritus and Chair Emeritus of The Duke Endowment, who announced the creation of the John Hope Franklin Scholars Program, a partnership to help underachieving high school students prepare for college through the study of history. We look forward to welcoming many future Franklin Scholars to Trinity College and Pratt.

Samuel DuBois Cook Society

This week, the Samuel DuBois Cook Society, named for our Emeritus Trustee and long-time civil rights educational leader, honored several members of our community for their leadership. Among them was Dean of the School of Medicine **R. Sanders Williams**, who received the Pioneer Award for his leadership in expanding opportunities in our medical school. **Judith White**, Assistant Vice President for Campus Services, was honored with the Community Betterment Award along with **Bradley Simmons**, Director/Instructor of the Djembe and Afro-Cuban Ensembles. The Undergraduate Student Awards went to **Julia Hamilton** of public policy studies and **Venis Wilder** of biological anthropology and anatomy. The Graduate Student Award was won by **Staci Arnold**, a joint degree student in the School of Medicine and the Fuqua School of Business.

I was honored to participate in an informal conversation “around a kitchen table” in the Griffith Theater with President Johnnetta Cole of Bennett College (and former president of Spelman College), along with Associate Professor **Lee Baker** of the Department of Cultural Anthropology, Clinical Social Worker **Rebecca Reyes**, and Duke student **Vivian Wang**. We owe a special thanks to Vice President for Institutional Equity **Ben Reese** and Associate

Professor of the Practice **David Malone**, for chairing this year's Cook Society program.

Recent Gifts to Support University Priorities

Our new leadership team of Vice President for Alumni Affairs and Development **Bob Shepard** and Executive Director of University Development **Ellen Medearis** have reported a number of prominent gifts in the last month, among them nearly \$15 million from The Duke Endowment for a variety of undergraduate initiatives, Perkins Library, the Law Library, the Goodson Chapel in the Divinity School, and more than a half million dollars for our Neighborhood Partnership efforts. We also just announced a \$1 million gift from the Wachovia Foundation – half for the Neighborhood Partnership and half for innovative Fuqua School of Business programs that likewise benefit the community. The Lilly Endowment has given \$6.7 million to promote innovative pastoral leadership and excellence in ministry in support of an initiative it has previously funded at Duke Divinity School. We also publicly announced the magnificent gift from Bill and Sue Gross, which I told you a bit about at our last meeting.

Let me say a bit more about the \$23.5 million gift from the Grosses. While \$3.5 million will support the Fuqua School and other Duke areas of interest to the donors, the vast majority of it – \$20 million – is for financial aid. \$15 million is designated for undergraduates and the balance for medical students. Bill Gross was an A.B. Duke Scholar as an undergraduate, and he was motivated by a strong desire to create opportunities for others as they were created for him. Financial aid has helped make Duke great from the outset, and as costs continue to climb while government funding continues to decline, it is more vital than ever to our mission. Bill and Sue have recognized and endorsed this institutional priority, setting an example of leadership that I hope will inspire others in the years ahead. We are grateful to them – as are future generations of smart, wonderful Duke students we do not yet know.

This gift is particularly timely in view of proposed federal changes to Pell Grants and the Perkins Loan Programs, critical components of student aid packages for low-income students. Director of Financial Aid **Jim Belvin**, who has co-authored a new book entitled *How to Save for College*, points out that these rule changes will likely result in more borrowing for many. Duke, however, with the help of generosity like the Grosses' and the Trustees' strong support, will continue to fulfill its promise to meeting 100% of each student's demonstrated need, revising institutional need-based aid awards to replace federal funds that have been available to our neediest students. Each year we invest some \$50 million in grant aid in financial aid programs to ensure that no student is denied access to a Duke education as a result of his or her financial circumstances. We will be monitoring the proposed changes to federal financial aid programs with great care and will continue to advocate for programs which serve the needs of our students and their families.

To help secure more resources for financial aid, Ellen Medearis has brought **Susan Ross** back into the University Development Office to take charge of fund-raising for that important goal. Susan has been raising funds at Duke for a long time, and many of you have known her as a leader of the Annual Fund, as chief development officer for Arts and Sciences or in Athletics.

We look forward to announcing several other major gifts in the weeks ahead. These are high-profile contributions whose magnitude brings publicity – but there continue to be literally thousands of others that further strengthen the school. Under the leadership of its new director, **Hank Woods**, the Duke Annual Fund passed the \$13 million mark earlier this month and appears to be on its way to achieving its \$22 million goal – the result of many contributions from alumni, parents, and friends. I want to thank the Trustees for the leadership you have given in setting an example both as philanthropists and volunteers in these efforts.

Undergraduate Admissions

The major development since December has been the logging of a record number of applications. This year the Admissions Office will receive more than 18,000 applications, easily eclipsing last year's record of 16,747. Records have been set in the number of applications to both Trinity and Pratt, as well as in the number of African-American, Latino, Asian, and international applicants.

While it is still too early to be certain, early reviews suggest that this year's class will again be the strongest applicant pool in the university's history. With a few thousand SAT scores still to be entered in the system, more than 1200 applicants are already known to have scored 1550 or higher, and more than 3000 applicants earned SAT scores of 1500 or higher, both records.

Even as the Admissions Office is busy reading and evaluating applications, plans are being made for recruiting and selecting students who will enter in 2006. We expect to contact over 50,000 juniors by mail and email over the next two months, and 110 programs (jointly sponsored with Harvard, Georgetown, and the University of Pennsylvania) are being planned for high school juniors, their parents, and secondary school guidance counselors in 55 cities.

The class graduating from high school in 2006 will also be the first to take the new SAT and ACT exams, which include a new writing component as a required part of the SAT and an optional part of the ACT. All students applying to Duke will be required to complete the writing portion of whichever test they choose to take. Over time this additional test data should be helpful in selecting the class, although admissions officers will want to review a year or two's worth of data before deciding how best to use it.

Administrative Appointments

If you have been following campus news from afar, you know that Duke has added its first Nobel laureate to the faculty. Chancellor Dzau announced last month that **Peter Agre**, winner of the 2003 Nobel Prize in Chemistry, will join Duke University Medical Center as Vice Chancellor for Science and Technology. In this newly created leadership post, Dr. Agre will help guide the development of Duke's biomedical research enterprise and enhance its effort to train, support and attract the world's top scientists and students. Dr. Agre will be a senior advisor to Chancellor Dzau, Deans Sandy Williams and **Catherine Gilliss**, to Provost **Peter Lange**, and myself on research directions at Duke as well as the social policy dimensions of medical research. He is

also eager to help us think about the urgent need to improve science and math education in the public schools.

Dr. Agre comes to us from Johns Hopkins Medical School. He shared the Nobel Prize for revealing the molecular basis for the movement of water into and out of cells. Dr. Agre has begun a six-month sabbatical at Duke, and will formally assume his duties as vice chancellor on July 1.

In December, Provost Lange announced that **Deborah Jakubs**, Director of Collections Services for Duke University's Perkins System Libraries, was selected to become the Rita DiGiallorardo Holloway University Librarian and Vice Provost for Library Affairs, succeeding David Ferriero who left Duke to be the chief operating officer of the New York Public Library. Jakubs will oversee eight libraries, the Center for Instructional Technology, and the university archives and its records management program. Her management track record, commitment to internationalization, experience in both print and electronic information, and knowledge of Duke – she has worked here since 1983 and served as director of the Duke-UNC Program in Latin American Studies – will serve us well. Among her top assignments will be to preside over the completion of the renovation and expansion of Perkins, including the five-story Bostock Library and the Karl and Mary Ellen von der Heyden Pavilion.

In January I was delighted to announce that Ben Reese, interim Vice President for the Office of Institutional Equity, has been given an appointment in that role. A clinical psychologist, Ben has been at Duke since 1996, overseeing institution-wide efforts to foster cross-cultural relations, promote diversity and foster equal opportunity within both the university and the health system. At my request, a review committee chaired by Professor **Ann Brown**, M.D., of the Women's Health program, reviewed Reese's performance and that of our Office of Institutional Equity. It's apparent that Ben has been a strong leader, a gifted mediator, and a skilled educator whose values resonate with those of the institution. In announcing his appointment, I stressed the high priority Duke's leaders give to providing a welcoming and nurturing environment for all students, faculty, and staff, and the degree to which we all are responsible to support the efforts Ben and his colleagues are engaged in.

As you know, one of the institution's highest-profile initiatives is the Institute for Genome Sciences and Policy. I am pleased to note that the IGSP's new Center for Population Genomics and Pharmacogenetics will be Professor **David Goldstein**, whom we have recruited from University College, London. Goldstein and his colleagues will help us understand genome evolution and variation within and across species, focusing on susceptibility to disease and responses to drugs in ways that have the potential to improve the safety and effectiveness not only of pharmaceuticals but of healthcare delivery itself. To paraphrase IGSP Director **Hunt Willard**, it's all about getting the right drug to the right person at the right dose at the right time. Like Peter Agre, Goldstein is both a leading thinker in his field and a teacher strongly committed to working with undergraduates – a combination dear to a president's heart.

Scholarship and Research

The faculty have continued to be recognized for the creation of new knowledge, and I want to mention some prominent examples of groundbreaking Duke research that have been in the news since our December meeting. Much of it has been in the areas of neuroscience and genomics, which Duke identified as priorities for investment in “Building on Excellence.”

Readers of *The New York Times* and virtually all leading papers will know of the results of a seven-year project reflecting new molecular, genetic and behavior studies that reveal startling truths about the brainpower of birds. An international consortium of neuroscientists has proposed a radical renaming of structures in the avian brain to portray birds as more comparable to mammals than formerly realized. The Avian Brain Nomenclature Consortium, funded by the NIH and NSF, published an article in the February 2005 *Nature Reviews Neuroscience* of which Professor **Erich Jarvis**, of the Department of Neurobiology and a consortium organizer, is the lead author. According to Jarvis, new research “debunks the theory that the brain evolved in stages, like the laying down of geological sediments layer by layer. There is no evidence to show that there was a primordial brain structure to which so-called higher brain structures were systematically added.” His organization’s dramatic proposal is expected to change the way neuroscience research will be thought about and conducted for the next century. The Trustees may recall that in 2002, Jarvis received the Waterman Award as the outstanding young scientist in the country from the National Science Foundation.

A \$15 million NSF grant – the largest single amount ever delegated to a study of evolution – has established a new National Evolutionary Synthesis Center in temporary quarters on Ninth Street in Durham as a hub for researchers from Duke, UNC, and NCSU. An in-house team of some 30 scientists, including the world’s only phylogenetic consultant (funded by Hunt Willard, director of the Duke Institute for Genome Sciences and Policy), will collaborate with hundreds of visiting researchers including biologists, physicians, paleontologists, crop scientists, and computer scientists as they mine genetic data in new ways. One of the center’s prominent tasks, according to Director and Associate Professor of Biology **Clifford Cunningham**, will be to develop a common “language” to enable communication among disparate scientific information databases on the large number of organisms important to evolutionary studies. It will also emphasize educational programs in which scientists communicate their results to policymakers, help teachers develop lesson plans on evolution, and seek to interest students at historically minority colleges and universities in studying evolution.

A new study in the *Journal of Neuroscience* authored by Duke researcher **Miguel Nicolelis** of the Department of Neurobiology, has shown the promise of instant-to-instant electrical “brainscape” mapping of neural activity in living rats with the aid of hairlike microelectrodes. Finding strong evidence that memories are consolidated during sleep and that perception depends not just on external signals but on measurable internal states of attention and expectation, Nicolelis and his colleagues believe that their new analytical technique will facilitate unprecedented insights into healthy and diseased brains that could lead to better understanding and new treatments for

epilepsy, Alzheimer's, and schizophrenia. Nicoletti's research was funded by the National Institutes for Health and several other agencies.

In yet other research funded by the NIH, Assistant Professor of Pathology **Herman Staats** of Duke's Human Vaccine Institute has reported in the *Journal of Virology* that male and female mice have very different immune responses to three different HIV vaccines, suggesting that the most potent of such vaccines may turn out to be gender-specific in humans as well, perhaps necessitating separate delivery mechanisms for men and women – or even separate vaccines.

Further work with yeast cells was reported in the journal *Cell*, in which other Duke researchers have demonstrated for the first time what happens inside a cell when it is deprived of the essential nutrient iron. Professor of Pharmacology and Cancer Biology **Dennis Thiele** shows how the activity of more than 80 different genes is dramatically reduced in response to iron deprivation, reprogramming the cell's metabolism in ways that, in humans, may contribute to hereditary blood disorders, Parkinson's, and some cancers. With funding from the NIH, Thiele's team found that iron-starved cells overproduce a protein called Cth2, which binds gene expression machinery and targets messenger RNA to be destroyed or degraded. Without messenger RNA, a gene cannot translate its genetic code into proteins that carry out its intended functions.

Bill Shingleton would be proud that scientists at the Duke Comprehensive Cancer Center have identified a critical switch that turns on a blood stem cell's ability to regenerate while also producing daughter cells that are themselves capable of becoming mature blood and immune system cells. The March issue of *Nature Immunology* features an article on the work of Assistant Professor of Pharmacology and Cancer Biology **Tannishtha Reya**, whose team is researching a protein called Notch that resides on the surface of stem cells; when Notch activity is turned off, they found, stem cells quickly begin to change into more mature cells that can no longer produce new blood-forming cells. These studies, funded in part by NIH, the American Heart Association, and the Cancer Research Institute, may open the door to more successful manipulation of stem cell growth for treatment of a variety of diseases including T-cell leukemias and other cancers.

In still other work supported by NIH as well as a Doris Duke Clinical Scientist Development Award, Professor of Pulmonary Medicine and Cardiology **Jonathan Stamler** and others have uncovered results that may lead to a new, more direct method for treating sickle cell disease-- which afflicts one in every 600 African-Americans – with therapies that restore nitric oxide to blood cells. Reporting in the *Proceedings of the National Academy of Sciences*, they believe their research may lead to the re-evaluation of nitric oxide's role in other conditions besides sickle cell anemia that are characterized by a deficiency of oxygen delivery to tissues, such as heart failure, diabetes, and pulmonary hypertension.

Over at the Pratt School, neural engineer **Warren Grill** and doctoral candidate **Joseph Boggs** are at work on a “bladder pacemaker” which may assist more than 200,000 Americans living with a spinal cord injury or related problems. In work sponsored by the NIH and published in the

Journal of Neurophysiology, these biomedical engineers show that mild electrical stimulation of a particular nerve in cats' pelvises can trigger coordinated contraction of the bladder and relaxation of the urethral sphincter. The system they envision for availability as a human implant by the year 2010 would be less invasive and more practical than current implants, which require doctors to sever nerves and insert electrodes into the spine.

In the December issue of *Neurobiology of Disease*, research professor of neurosurgery **Ashok Shetty**, with research associates **Bharathi Hattiangady** and **Muddanna Rao**, showed that in rats, chronic epileptic seizures, long thought to boost production of new brain cells, actually decrease neuron production in the hippocampus, the brain's learning and memory center. Their work, funded by the National Institute of Neurological Disorders and Strokes, explains why chronic epileptics are prone to learning and memory deficits and depression.

Interest in a different aspect of oncology prompted Duke Clinical Research Institute scientists **Shelby Reed**, **Kevin Schulman**, and **Kevin Anstrom** to describe in the journal *Cancer* a novel method they developed for estimating the long-term survival benefit of new medical therapies. They found that the expected increase in survival among patients who take the leukemia drug Gleevec will offset the drug's high price – that, in other words, treatment is cost-effective from society's point of view. In this case, based on projected costs and survival estimates, the group calculated the incremental cost of Gleevec at \$43,100 per life-year saved, well under the commonly accepted threshold for medical therapies in the U.S. of \$50,000 per life-year saved. Although such cost analyses are not explicitly incorporated into the current U.S. health care system, the new Medicare drug benefit may one day require data demonstrating the value of outpatient pharmaceuticals if Medicare patients are to gain access to such treatments. The group's work was funded by DUMC and Novartis.

And in the lab of **John Thomas**, the Fritz London Distinguished Professor of Physics, new work with lithium-6 gas chilled almost to absolute zero suggests that it changes phase to a superfluid state, bolstering previous evidence for the kind of frictionless flow in an exotic Fermi gas that one would normally only expect at high temperatures in a superconductor. As reported in *Science Express*, this special kind of superfluidity can be used to model long-sought superconductors that could, say, conduct electricity without resistance at room temperature. The research, conducted jointly with the University of Chicago, was funded by the Department of Energy, the U.S. Army Research Office, NASA, and the NSF.

Henry Petroski, the Aleksandar S. Vesic Professor of Civil Engineering at Duke's Pratt School of Engineering, has made a new contribution to the history of engineering. Petroski demonstrates in his latest book, "Pushing the Limits, New Adventures in Engineering" (Alfred A. Knopf) how predicting the technological future has always been a risky business. He notes that a bank president in 1903 advised Henry Ford's lawyer not to invest in the Ford Motor Co. because "the horse is here to stay." And in 1977, the founder of the Digital Equipment Corp. said there was no reason for people to have a computer at home. In his book, Petroski turns his observant eye to large feats of engineering – bridges and buildings and dams that are among the largest

constructions on Earth. Engineers pushed the limits of technology in the past century to accomplish things that were not even dreamed of in the 19th century. And so it will be in the 21st century, he says, with the contents of any list of engineering achievements that will be compiled in the late 2090s being virtually unpredictable today.

Angela M. O'Rand, a Professor of Sociology and **Mary Elizabeth Hughes**, an Assistant Professor of Sociology, analyzed data from the 2000 Census to describe the generation born between 1946 and 1964 as they enter middle age. The good news is that the researchers believe the Baby Boomers are likely to enjoy good health and remain "actively engaged" longer than previous generations. But in "The Lives and Times of the Baby Boomers," O'Rand and Hughes foresee Baby Boomers continuing to work longer, extending responsibilities such as paying for college or having children at home to older ages. The least well-off may face higher risks of unemployment and worse health at a time when policy changes are encouraging them to remain at work longer. Low wages and job instability also may mean they have less saved than previous generations. Also, nontraditional families may pose new problems. Those who never married, had no children or were "absent fathers" may not be able to rely on family as part of their social safety net. The study is part of "The American People" series, sponsored by the Russell Sage Foundation of New York and the Population Reference Bureau of Washington, D.C., and is designed to put the results of Census 2000 in context.

We've been fortunate to have two provocative theater offerings this Winter, each of which is scheduled for performance in New York. Theater Previews, the professional producing arm of the Theater Studies Department of Duke, presented in February the premier of "Purgatorio" by Pulitzer Prize-winning playwright and Professor **Ariel Dorfman**. "Purgatorio" explores many of the same themes as Dorfman's award-winning play "Death and the Maiden," but takes the dilemmas a step further: can there be forgiveness and reconciliation if we have committed monstrous deeds? And how can we be expected to repent of those deeds without destroying our own identity, the bedrock of our past which made us who we are today?

Theater Previews is also producing Gore Vidal's new play "On the March to the Sea," featuring actor Chris Noth. Noth won a Theatre World Award for his performance as Senator Joseph Cantwell in the production of Gore Vidal's "The Best Man." Noth plays Union soldier Colonel Thayer, a complex character who is conflicted in his role in the Civil War as he participates in Sherman's march toward the sea. He alternately shows humanity and insensitivity toward his Southern hosts as his regiment commandeers their greatest source of pride and accomplishment – their home.

Construction Update

As the Trustees know, the work of our faculty and students requires modern facilities, and we are encouraged by the progress we are making in a number of important capital projects. Vice Presidents **Kemel Dawkins** and Tallman Trask report that Kilgo I and J are complete and await LEED certification from the U.S. Green Building Council. The new director of the Nasher

Museum, **Kim Rorschach**, and Trustee Emeritus Ray Nasher are pleased that the Nasher Museum of Art is essentially complete, with the issuance of its Certificate of Occupancy expected soon. Last month a dinner in New York City to honor Ray Nasher, his daughter Trustee Nancy Nasher, and key supporters of the Nasher Museum of Art was hosted by Trustee Bob Steel and his wife Gillian. The next day many of us attended a wonderful program about the Nasher Museum of Art – involving among others, architect Rafael Viñoly – for the arts media that drew more than 50 participants. A formal official opening is scheduled in the Fall.

Construction on other campus projects continues. To highlight a few:

The Divinity School addition, with site lighting, irrigation and walkways in place, is on track for its March 2005 completion. The exterior is primed for landscaping, and the interior work is drawing to a close as well, with only clean-up and touch-up still to be done. The Washington Duke Inn expansion is likewise on schedule for this spring, with work on the fourth and fifth floors nearly finished as interior improvements continue in the kitchen, mechanical, and back-of-house areas.

Summer 2005 will see the scheduled completion of the East Campus Residence Hall and the addition to the Sanford Institute for Public Policy. Interior work in progress now includes stud wall framing and drywall installation, and exterior work underway consists of roofing, brick and stone masonry, and window installation. The Law School addition is on schedule for completion a little later, in August; concrete has been poured up to the fourth floor and the steel is being erected for the penthouse.

Projects due to be finished in July 2006 include the Perkins addition and pavilion, with renovation of the 1996 addition due before we start renovation of the 1968 addition this August. Finally, at the French Science Center, slated for December 2006 completion, concrete structural work continues in the southern section of the site, footing and foundation work to the north.

Washington Update

In December, we welcomed five key staffers of the North Carolina congressional delegation to campus for our first District Directors Day event. These important aides, who run the members' home state offices, met with Duke faculty, administration, and staff to discuss topics including research underway at the free electron laser lab, visa, and financial aid issues that might affect their constituents, our work with the community through the Duke-Durham Neighborhood Partnership, and the various research, community, and patient programs being conducted by the medical center. Their feedback was very positive, and we look forward to continuing those conversations.

In January, I welcomed to campus Stewart Verdery, the Assistant Secretary of Border and Transportation Security Policy and Planning at the Department of Homeland Security. Assistant Secretary Verdery is in charge of visa policy for DHS, and we enjoyed a day's worth of talks

regarding the impact of existing visa policy on international students and faculty, as well as the steps DHS has taken or is planning to take to improve the system. All of us were impressed by Secretary Verdery's understanding and appreciation for the issues we raised, and his commitment to try to address our concerns. I appreciated our candid conversation and hope to continue to work with Homeland Security on visa policy and research support.

By the time you read this, President Bush will have sent his budget to Congress. We expect funding cuts in many of the research and student aid programs from which our faculty and students benefit. It is instructive to note how many of the major breakthroughs I report on in the research section of this report are funded by the NIH, an organization that is facing significant budget constraints. I plan to dedicate time during my trip to Washington next month to meeting with government officials to discuss our concerns about the impact such cuts will have on the education and research mission of universities. I will relay those conversations to you in my next report.

Duke and Durham

In January, the Duke-Durham Neighborhood Partnership celebrated the opening of its second community health clinic, the result of cooperative efforts by pastors in the Walltown Neighborhood Ministries, Duke, Lincoln Community Health, and Walltown residents. The Walltown Neighborhood Clinic at 815 Broad Street is a satellite of the Lincoln Community Health Center operated by the Duke Division of Community Health. It serves primarily low-income residents from the Walltown neighborhood, a block from East Campus, as well as greater Durham. Walltown, as you know, is one of the 12 neighborhoods in the Neighborhood Partnership, the collaboration between the university and nearby residents to improve the quality of life close to campus.

Susan Yaggy, chief of the Division of Community Health, has done a superb job in developing neighborhood and school-based clinics. She reports that more than half of Walltown residents lack health insurance and many must rely on public transportation, so that access to care needs to be affordable and offered close to where they live. Our goal is to focus on preventative medicine, encouraging patients to seek basic care at the clinic rather than in the emergency room. The Duke Endowment contributed \$240,000 to help launch the clinic and support the expansion of its sister clinic in the Lyon Park Community Family Life and Recreation Center, which also was aided by funds provided to the Neighborhood Partnership by Trustee Emeritus Morris Williams. Chancellor Dzau and I spoke at the dedication, naming the clinic in honor of Walltown founder and Duke employee George Wall, who was born into slavery in Randolph County in 1856, and moved to Durham in 1892 at the request of Trinity College President John Crowell when he brought Trinity to what is now East Campus. Wall worked for Trinity and Duke University presidents for more than 60 years, and some 30 of his descendants attended the ceremony. Neighborhood leaders, and *The Herald-Sun* in an editorial, praised all involved for working so well together toward a common goal.

As noted earlier, the Wachovia Foundation has given Duke \$1 million for after-school programs for low-income Durham school children and for Fuqua School of Business programs, including one that encourages MBA students to share their expertise with Durham nonprofit organizations. Project HOPE (Holistic Opportunities Plan for Enrichment), led by Professor of the Practice **Barbara Jentleson** of the Program in Education, is a comprehensive after-school program designed in collaboration with the Durham Public Schools and local leaders to help children from low-income families in Neighborhood Partnership neighborhoods do better in school, often with the help of Duke student tutors. Project HOPE received \$500,000, which will help extend the program by a minimum of five additional years by supporting salaries for key personnel. Last year, more than 165 children received individualized tutoring, mentoring, and arts enrichment programming at community centers located in their own neighborhoods, both after school and during the summer. In just one year, passing rates on end-of-grade tests for children in the program have improved from 50 percent to 69 percent in reading, and from 60 percent to 80 percent in math.

The Fuqua School will divide its \$500,000 equally between the Center for the Advancement of Social Entrepreneurship (CASE) under the direction of Fuqua Professor **Greg Dees** and the Center for Leadership & Ethics (COLE) directed by Associate Professor and Faculty Director **Sim Sitkin** at Fuqua. Created in 2002, CASE is a research and education center dedicated to promoting entrepreneurial leadership in the social sector. It will use the money to launch an integrated scholarship and summer internship program that will provide some scholarship support to nonprofit managers for pursuing an MBA and that will encourage MBA students to consider careers with social-purpose organizations. COLE will use its \$250,000 to provide scholarships for community-based organizations and nonprofit groups to send participants to Fuqua's annual Conference on Leadership, and to develop a leadership and ethics curriculum that will establish higher standards in the for-profit and nonprofit worlds.

I continued my own efforts to become educated by paying an early visit in January to several of the schools in the Duke-Durham Neighborhood Partnership. It is wonderful to see first-hand the results of the good work that people from Duke are giving in support of our local public schools. Duke supports them by providing student tutors to work with children, and in many other ways behind the scenes. On my tour, I learned with particular interest about after-school programs we help support, and saw how teachers are integrating computers into their instruction. We also got a tour of E.K. Powe's new wellness center, operated by our Division of Community Medicine and Lincoln Community Health Center, and visited the Duke-financed Science Resource Center, where students and teachers from across the district learn, share, and experience the latest teaching techniques. It gave me particular pleasure to watch Professor of the Practice **Gary Ybarra** of the Pratt School of Engineering demonstrating the science and math curriculum he's implementing with the help of Duke engineering students at Rogers-Herr Middle School.

Also on the grant front, The Duke Endowment gave Duke's Office of Community Affairs \$515,000 to provide ongoing support for affordable housing, youth programs, and nonprofits in the West End and Walltown neighborhoods. The Endowment's most recent grant means the

Charlotte-based foundation has invested more than \$3.5 million in the Duke-Durham Neighborhood Partnership over the past seven years. This year, the Self-Help Community Development Corp. will receive \$200,000 to support one of the nation's largest university-related neighborhood revitalization programs. As of January, 56 Self-Help homes have been sold to first-time low-income homeowners in Walltown at low financing rates.

The Southwest Central Durham Quality of Life Committee, which has been working to identify community needs and build cohesiveness in that area's six neighborhoods, will receive \$55,000 to support continued facilitation of its grassroots planning process. The group of representatives from neighborhoods, nonprofits, and for-profit companies has spearheaded plans to build 13 new affordable houses this spring on Gattis Street in the West End, with help from the city, Self-Help, Habitat for Humanity of Durham, and the Durham Community Land Trustees. Youth programs and tutoring training will receive \$135,000.

Additional monies will benefit the Walltown Children's Theatre and Rites of Passage, a program for at-risk youngsters in Walltown that is sponsored by Northside Baptist Church.

On a less positive note, you may have caught some national news coverage of an off-campus undergraduate party that got out of hand in Trinity Park last month. Vice President **Larry Moneta** responded to community concerns by promising that the Dean of Students Office will be following up with those students involved to determine whether judiciary action is warranted. The university has meanwhile been stepping up efforts to keep inappropriate off-campus activity in check through the enhancement of on-campus social activities. For example, the new program of \$5 tickets for students to performing arts events has resulted in more than doubling the number of students who attend these events. We're also reexamining the partnership between the Durham Police and our own to see whether off-campus enforcement can be improved. Blue Sparc, a campus-wide committee with community representation, is looking at specific ways to minimize the adverse impact of Duke students' alcohol consumption on the campus and its neighbors, and we will continue working closely with members of the Durham community to cultivate a more amenable and respectful relationship between Durham residents and our students.

Athletics

On the strength of national runner-up finishes in both women's cross country and field hockey this past Fall, Duke sits in fourth place in the annual NACDA/United States Sports Academy Directors' Cup Standings as of January 11th. Notre Dame (with 337 points) is in first place followed by Michigan (333), Stanford (332), Duke (327), and UCLA (297).

With Winter sports in full swing, Duke's basketball teams have once again taken center stage on the national scene. For the third consecutive season, **Gail Goestenkors'** women's team earned the number one spot in the polls on the strength of a 16-game winning streak before falling to UNC. Headlining their efforts is National Player of the Year candidate **Monique Currie**, while

sophomore **Alison Bales** has already established a new school single-season record for blocked shots (85 in 22 games). The Blue Devils will aim for their sixth straight ACC Tournament championship on March 4-7 in Greensboro.

On the men's side, the Blue Devils, behind the play of All-America candidates **J.J. Redick** and **Shelden Williams**, rose to the nation's number two-ranked team, thanks to 15 victories to open the season, before suffering setbacks to Maryland and Wake Forest. Many observers consider this to be the best coaching year that the legendary leader of our men's basketball program, **Mike Krzyzewski**, has had. In December, Coach K picked up his 700th win in Duke's 82-54 triumph over Toledo, becoming the 17th coach in NCAA Division I history to accomplish such a feat and the second-youngest in NCAA Division I ever to reach that milestone. As the winner of five of the last six ACC crowns, Duke will set its sights on the league title on March 10-13 in Washington, D.C.

Meanwhile, Coach **Ted Roof**'s 2005 football recruiting class – featuring players from 13 different states – has been ranked 31st-best in the nation according to Scout.com, putting us higher than such traditional powerhouse programs as Arkansas (32nd), North Carolina (34th), Wisconsin (35th), Stanford (38th), Colorado (44th), and Georgia Tech (48th). Our top-rated new players include Vince Oghobaase, a 6'6", 335-pound defensive tackle who graduated with a strong academic record from Alief Hastings High School in Houston one semester early and enrolled at Duke in January.

The 2005 football schedule was released in January, with six home dates, including games with Florida State and Virginia Tech – winners of the past two ACC championships – along with non-conference games against East Carolina, Navy, and VMI highlighting the slate. The Blue Devils will take on a total of eight teams that secured bowl eligibility a year ago.

Former Duke football players **Alex Green** and **Orrin Thompson** represented the Blue Devils in 2005 postseason all-star games on January 15. Green participated in the East-West Shrine Game in San Francisco, served as a team captain, and claimed Defensive MVP honors for the East squad after recording a game-high nine tackles; Thompson played in The Villages Gridiron Classic in Orlando.

The Blue Devil tennis teams are off to a solid start in 2005, with the women's team ranked eighth in the country and the men's squad ninth. A junior on the men's team, **Ludovic Walter**, is the highest-ranked Duke player in singles at number six. In lacrosse, our women's team will open the season with a number four national ranking while the men's squad is ranked 13th.

Duke's golf teams will take aim at conference and national championships this spring, too, with the women led by reigning National Player of the Year **Liz Janangelo** as the men return a pair of All-America selections in **Ryan Blaum** and **Nathan Smith**. The Duke women, who last captured the national title in 2002 and have won nine consecutive ACC crowns, also bring back All-Americans **Brittany Lang** and **Anna Grzebien** to the fold.

It promises to be an exciting Spring season.

I could go on at more length, of course, for we have many reasons to be proud, but I will stop here and just say how much I look forward to seeing you later this month.