

27 November 2007

MEMORANDUM

TO: Members of the Duke University Board of Trustees

FROM: John F. Burness

RE: Summary of Activities

Life at Duke has been typically eventful since the Trustees' fall meeting. Duke researchers have published new insights in esoteric areas like black holes to more prosaic areas such as toothpicks. A number of our students have received international recognition for their accomplishments, as have several members of the faculty. We celebrated the opening of a spectacular interdisciplinary science facility made possible by the generosity of former Trustee **Melinda French Gates**, as well as the opening on a smaller scale of the 6,000 square-foot Home Depot Smart Home, both of which exemplify Duke's visible commitment to sustainability. The Pelli Clarke Pelli design team has done excellent work, moving into the concept development phase of the master design process for Central Campus, an important topic for the Trustees' upcoming meeting, which, as usual, has a full agenda. And, of course, we also will celebrate the wonderful service that **Allison Haltom** has given to Duke over the past 36 years.

I hope you will enjoy reading the following summary of highlights from the past quarter. You will note that I provide URLs that you can use if you would like more information about various issues mentioned in this report.

Awards and Honors

We learned last week that two members of the senior class have been chosen for prestigious scholarships for post-graduate study abroad. **Ryan McCartney**, of Chappaqua, New York, was one of 12 Americans selected for a George J. Mitchell Scholarship, which provides for a year of graduate study in Ireland. **Lee Pearson**, of Spokane, Washington, was one of 40 students selected for the Marshall Scholarship, which supports two years of graduate level study in the United Kingdom.

McCartney, a political science and philosophy double major, is the editorial page editor of *The Chronicle*. Last year he was *The Chronicle's* editor-in-chief, where he and *The Chronicle* earned

high marks for coverage of the Duke lacrosse case. McCartney was selected by the Associated Collegiate Press as one of the top three journalists in the United States for his reporting on the lacrosse case and also Hurricane Katrina. In addition to his leadership of *The Chronicle*, McCartney was active in a program he founded while in high school to help orphans with mental and physical disabilities in Jamaica. McCartney plans to study at Dublin City University, where he will focus on political communication. He notes that Ireland is a particularly interesting place since more than 90 percent of the population there still read the print versions of newspapers!

Pearson, a double major in civil and environmental engineering and biomedical engineering, has been particularly active in Duke Engineers Without Borders, especially in Uganda where he participated in the development of several water resource projects and the introduction of a machine that shells peanuts and coffee, two staples of the Ugandan economy. Pearson plans to complete a Master's degree in ecological economics at the University of Edinburgh during his first year, and a Master's of Engineering for sustainable development at Cambridge University during the second year of his Marshall Scholarship.

Sustainability

Prior to leaving for the United Kingdom next fall, Pearson will be one of ten students (five from Pratt, five from Trinity) who will move in January into the Home Depot Smart Home <http://www.smarthome.duke.edu/>. The Smart Home features a variety of eco-friendly and high-tech elements, and will serve as a living laboratory in which succeeding groups of student residents can modify and employ new technologies. During the open house and dedication activities, which included a talk by actor and environmentalist Ed Begley, Jr., visitors had a chance to tour the facility and to see first-hand the numerous features of the house that will enable the students to achieve an ecologically sensitive lifestyle and encourage them to think of innovative ways to use technology even more effectively than the original design. Smart Home's design is aimed to achieve at least a Gold certification from the U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED) program.

A few days before the dedication of Smart Home, the university officially celebrated with members of the French family, the dedication of the French Family Sciences Center, a magnificent 280,000 square-foot building, which opened a few months ago and embodies Duke's commitment to interdisciplinary science. Executive Vice President **Tallman Trask** and his team deserve considerable credit for their role in planning and constructing this exceptional facility. The French Family Sciences Center brings together researchers and students from a wide range of scientific disciplines, from physics and bioinformatics to materials science, and features state-of-the-art research and teaching laboratories. A podcast of the dedication event is available at <http://news.duke.edu/2007/11/smarthome.html>, and includes both the formal dedication at which Melinda Gates and others spoke and a wonderful symposium entitled "Undisciplined Science," whose participants included 1997 Nobel Laureate Steven Chu, the director of the Lawrence Berkeley National Laboratory and a 2006 recipient of an Honorary Degree from Duke, and other leading scientists from across the country. The French Family Sciences Center has earned a Silver LEED certification. The Center was built with recycled and sustainable building materials. Its roof also includes 15,000 square feet of sod to filter rainwater and cool the building, and its restrooms feature waterless urinals, low flush toilets and sinks that use half the normal amount of water.

Management of water resources is approaching crisis levels in Durham, given the exceptional drought that has overcome the southeastern part of the United States. Earlier this fall, the Nicholas Institute for Environmental Policy Solutions released a report that identified six long-term strategies for improving water management and conservation. The report, *The Future of Water in North Carolina: Strategies for Sustaining Abundant and Clean Water* <http://www.nicholas.duke.edu/ncwater/preconfpaper.pdf>, was presented to state officials as part of a collaborative effort involving Duke, other universities and stakeholders.

Duke has institutionalized a number of efforts to reduce water consumption in recent years, so that as we have brought several new buildings on-line, campus-wide we are consuming roughly the same amount of water today as we did prior to their construction. The drought, however, is placing considerable additional demands on the institution. More than 40 percent of all water used is for the safety and health care of patients in our hospital and clinics, and Medical Center officials are aggressively dealing with the issue while ensuring that their patients continue to receive the best care. A team led by Vice President for Campus Services **Kemel Dawkins** is leading the campus effort to reduce water consumption through a variety of means, including elimination of vehicle washing, reducing the frequency and duration of landscape watering, and educating students, faculty and staff about the importance of reducing water use <http://www.duke.edu/sustainability/water/>.

Several examples of Duke's leadership in interdisciplinary approaches to environmental issues have recently been announced and bear mention. These include:

To the considerable satisfaction of Fuqua Dean **Blair Sheppard**, Nicholas School Dean **Bill Chameides**, and Nicholas Institute Director **Tim Profeta**, the Duke Corporate Sustainability Initiative (CSI) brings together the resources and expertise of the Fuqua School of Business, the Nicholas School of the Environment and Earth Sciences and the Nicholas Institute for Environmental Policy Solutions to examine corporate environmental practice from the perspective of both business strategy and public policy. **Michael Lenox**, associate professor of business at Fuqua, will serve as faculty director for the CSI. Assistant Professor of the Practice of Environmental Policy and Executive Director of the Duke Environmental Leadership Program **Deborah Rigling Gallagher** will serve as associate faculty director.

The new Environmental Law and Policy Clinic has also hung out its shingle. The clinic opened its doors at the start of the fall semester as a joint venture of the Nicholas School and the Duke School of Law. Students from both schools work together to address complex legal and policy issues relating to the environment throughout the Southeast. **Jim Salzman**, who holds joint appointments as Samuel Mordecai Professor of Law and Nicholas Institute Professor of Environmental Policy, serves as its faculty director, and Senior Lecturing Fellow **Ryke Longest** is the director. The clinic is the newest of the several legal clinics the law school provides to encourage students to work on public issues, a priority of Dean **David Levi**.

As you know, **President Brodhead** announced earlier this year that Duke will invest \$1.25 million over the next five years to establish a center devoted to the promotion of justice in the criminal justice system and the training of lawyers to fight against wrongful convictions. The

center will incorporate and expand the law school's Wrongful Convictions Clinic and Innocence Project.

A new center established by the Pratt School of Engineering in collaboration with the Nicholas School opened officially on 9 November. The Gendell Center for Engineering, Energy and the Environment's mission will educate undergraduates to meet the world's energy needs while also providing research instruction and resources to investigate causes and solutions to complex environment challenges. It is expected that the center will develop courses leading to a new undergraduate certificate program in energy and the environment. It also will provide a new home where faculty, students and industry professionals can interact, whether they are pursuing basic scientific questions or real-world applications on issues ranging from atmospheric chemistry to new energy-saving ideas for homes, vehicles or workplaces.

The center is named for **Jeffrey '81** and Martha **Gendell** of Greenwich, Connecticut, who are giving \$7.85 million to support new faculty positions, learning facilities and laboratory support in the Nicholas School. Pratt School of Engineering Dean **Rob Clark** reports that **Tod Laursen**, the Pratt School's senior associate dean for education and co-director of the Computational Mechanics Laboratory in the Department of Civil Engineering, will be the center's first director.

We have been pleased that these and Duke's many other efforts to be a leader in environmental stewardship and sustainability are increasingly being recognized. Duke ranked fifth in America's Top 10 "Coolest" Schools by *Sierra Magazine* <http://www.sierraclub.org/sierra/> for efforts to reduce global warming. The university was named as a finalist in the Sustainable North Carolina awards, which honor organizations that have demonstrated leadership in environmental stewardship and social responsibility. Finally, Duke received high grades on the College Sustainability Report Card from the Sustainable Endowments Institute, with six A's out of a possible eight categories.

Admissions

We expect that Duke's leadership in environmental issues will help attract outstanding students to Duke, who in their time here will make a difference in our efforts to bring knowledge to the service of society. Dean of Undergraduate Admissions **Christoph Guttentag** reports that his office has received 1,256 early decision applications, up from 1,187 last year. The admissions staff has been implementing a variety of recruiting approaches, including sponsoring two on-campus open houses, one for students from the Carolinas and one focused on the engineering programs in the Pratt School, where we had seen a decline in applications last year. Fifty-six "Duke Nights" programs have been held in cities across the country. Over the past six weeks, a group of 60 student ambassadors traveled with admissions officers to participate in "Discover Duke" presentations, and another 100 went back to their high schools during fall break to talk about their Duke experiences with juniors and seniors.

Via a new recruitment software package, Recruitment Plus, admissions emailed many prospective students information about our "Discover Duke" programs, both domestic and international. Duke's viewbook has been mailed to more than 60,000 prospective students for the Class of 2012. Their parents will also receive a packet including information on the Duke emergency preparedness communications plan. The plan, developed by the Office of

Communication Services and the Office of News & Communications and approved by President Brodhead and the senior officers, includes protocols and procedures for responding during times of emergency or controversy. It's part of a broad effort, following the tragedy at Virginia Tech last year, to inform members of the university community, including parents, about Duke's programs in the event of an emergency. Associate Vice President for Communication Services **Paul Grantham** and Associate Vice President for News and Communications **David Jarmul** will report on these plans in the Trustees' Institutional Advancement Committee meeting in December.

A central player in the development of a new strategic communications focus for admissions is **Denise Haviland**, who previously played a similar role for the Institute for Genome Sciences & Policy at Duke.

Strengthening the Undergraduate Experience

During your upcoming meeting, the Trustees will receive a report from our new Dean of Undergraduate Education **Steve Nowicki**. Nowicki has been spending considerable time since assuming his new role in meetings with students and others to build on the work Provost **Peter Lange** and Vice Provost for Academic Affairs **John Simon** did during the summer and fall to dig more deeply into issues raised in last year's Campus Culture Initiative report.

Nowicki has been putting together a first-rate staff. **Lee Willard**, associate vice provost for undergraduate education in Trinity College of Arts and Sciences, and **Donna Lisker**, former director of the Women's Center and co-director of the Baldwin Scholars program, have joined Nowicki's new team as associate deans of undergraduate education. **Susan Kauffman**, who has been my right arm for the past several years, has been appointed communication director for undergraduate education to lead the effort to develop coordinated messaging about the Duke undergraduate experience, from admissions through the lives of students during their time at Duke. One of Nowicki's many initial projects is an evaluation by the Kenan Institute for Ethics of issues raised by Duke Student Government President **Paul Slattery** and former DSG president **Elliott Wolf** about the university's undergraduate judicial affairs policies and procedures. The task force, led by Director of the Kenan Institute for Ethics **Noah Pickus**, has been charged to review judicial practices at peer institutions, seek broad input from the campus community and recommend possible changes by the end of the spring semester <http://news.duke.edu/2007/11/judicial.html>.

Another initiative aimed at supporting students—in this case, student-athletes—has already been reported to the Trustees and was announced by President Brodhead earlier in the fall. A committee chaired by Professor of Economics **Roy Weintraub** conducted the first review in decades of the Athletic Council and the Athletic Policy Manual in an effort to break down barriers separating academics from athletics on campus. At the September meeting of the Academic Council, President Brodhead reviewed and received the faculty endorsement for a revamped mission statement and a revised structure for the Athletic Council. Professor of Philosophy and Jerry G. and Patricia Crawford Hubbard Professor of Political Science **Michael Gillespie** was named chair of the Athletics Council. Professor of Psychology and Neuroscience **Martha Putallaz**, director of Duke's Talent Identification Program (TIP), was named Faculty Representative. Both have been hard at work. The Trustees will receive an update in December

from Director of Athletics **Joe Alleva** on an intensive planning effort now underway to develop a strategic plan for athletics, including recreational activities for students who do not participate in intercollegiate athletics, with a final presentation to the Trustees expected in the spring.

As you know, when President Brodhead announced plans for a comprehensive review of athletics at Duke, he also renewed the university's focus on our Women's Initiative. In October Duke celebrated this commitment at the first-ever Duke Women's Health and Wellness Weekend. The event, hosted by the Alumni Association and the Women's Center, brought alumnae back to campus to talk about the Women's Initiative and ways in which women can be more active leaders in their alma mater. President Brodhead welcomed participants to the weekend on Friday night and participated in the closing interactive panel that also included **Sterly Wilder**, executive director of alumni affairs, and Donna Lisker. I commend to you a truly thoughtful and challenging keynote address http://www.dukealumnievents.com/videos/Keynote_Address2.mov that was presented by Trustee **Kimberly Jenkins**.

Development

By now you should have received the third annual report from the Office of University Development, which detailed last year's record \$380 million fund-raising effort. It was sent to most Duke donors and is also available at <http://development.duke.edu/development/annualreports/200607/>. Under the leadership of Vice President for Alumni Affairs and Development **Bob Shepard** and Executive Director of University Development **Ellen Medearis**, the development staff continues to be aggressive in generating philanthropic support for Duke priorities. As of 24 November, the cash total this year is \$120,087,000, which is about 11 percent behind last year.

Among many new commitments not included in the above cash total, two bear special mention. One is a \$35 million pledge from David H. Murdock to support a massive biomedical research project at the North Carolina Research Campus (NCRC) in Kannapolis, North Carolina. Under the leadership of Drs. **Robert Califf**, vice-chancellor for clinical research, **John McHutchison**, director GI/Hepatology Research DCRI and **Geoffrey Ginsburg**, director of the IGSP's Center for Genomic Medicine, and the operational management of **Victoria Christian**, DTRI, chief operating officer, the "M.U.R.D.O.C.K." study (Measurement to Understand the Reclassification of Disease of Cabarrus and Kannapolis) will combine the talents of physicians and scientists at Duke, the University of North Carolina and the North Carolina Community College System, and will apply the latest biotechnology to conduct broad, epidemiological studies linking genetic data to disease risk and outcomes.

Another wonderful commitment is a "Strategic Faculty Initiative" \$40 million grant from our most consistent and loyal benefactor, The Duke Endowment. This grant directly addresses an overarching priority in our strategic plan, *Making a Difference*, which calls for a "faculty enhancement initiative" to recruit outstanding faculty members who advance schools' strategic goals or university-wide initiatives. We expect to add 32 new faculty positions over the next several years. A portion of The Duke Endowment gift is expected to stimulate additional giving for endowed professorships.

There also is good news to report on the Financial Aid Initiative, which had recorded \$236,136,565 in gifts and pledges as of 24 November, approaching 80 percent of its \$300 million goal with a little more than thirteen months to go. Trustee **Rick Wagoner** and Trustee Emerita **Sally Robinson** are leading this important effort. I know that President Brodhead and Provost Lange will want to talk with the Trustees about important plans to enhance our financial aid programs during the Trustees' meeting.

Research and Scholarship

Duke's commitment to be a leader in genomics research is exemplified by the Institute for Genome Sciences & Policy <http://www.genome.duke.edu/>. The IGSP's strategic plan, developed by Director **Hunt Willard** and his colleagues, calls for Duke to become a world leader in research and education in the years ahead. The Institute is distinctive for its emphasis not only on the science of genomics, but for its interdisciplinary approach involving law, policy and ethics. Willard is actively involved in efforts to build genome science into the undergraduate curriculum and teaches a freshman course as part of the FOCUS program.

A number of significant grants have been awarded to Duke faculty and researchers since our last meeting. The following examples include two IGSP grants and, as a group, reflect the breadth and diversity of the research enterprise across the campus. Given the intense competition for these research dollars, they also demonstrate the quality of Duke's research programs.

The previously mentioned Geoff Ginsburg was awarded a two-year, \$3.5 million grant from the Defense Advanced Research Projects Agency (DARPA), the central research and development organization for the Department of Defense. The primary goal of the project is pre-symptomatic detection and diagnosis of illness resulting from infectious pathogens.

Assistant Professor at the Institute for Genome Sciences & Policy **Greg Crawford** and other Duke researchers have been awarded a \$6.5 million, four-year federal grant for human genome research from NIH's National Human Genome Research Institute. The Duke grant is part of more than \$80 million in awards as part of the ENCyclopedia of DNA Elements or ENCODE project. The Duke team will focus on identification of functional elements within chromatin, which is a complex of DNA and proteins that makes up chromosomes.

Frank Lombard, associate director of the Health Inequalities Program at Duke's Center for Health Policy, recently received funding for two research projects on services to patients with HIV/AIDS in this area: The Substance Abuse and Mental Health Services Administration (SAMHSA) is providing nearly \$2.5 million to fund CADET (the Carolina Alcohol and Drug Abuse Expansion Team); and the Health Resources and Services Administration has provided more than \$1.5 million to develop a Regional Health Information Consortium (RHIC) in partnership with Wake Forest University Health Sciences.

Dean of the Faculty of Arts and Sciences **George McLendon** is no doubt pleased that the Program on Values and Ethics in the Marketplace (VEM), which promotes undergraduate education and research on business values and ethics, has received a \$1.75 million gift from the BB&T Charitable Foundation. The seven-year BB&T grant will provide funds for the Power of

Ideas Focus Program, lecture series, visiting faculty and post-doctoral students who serve as mentors to undergraduates.

The Nicholas School has received a two-year grant for \$1.6 million from the U.S. Department of Energy to continue research on carbon sequestration at the Free Air CO₂ Enrichment (FACE) facility in Duke Forest. As I shared with you in my last report, the FACE experiment seeks to quantify the amount of carbon that can be captured from the atmosphere and stored in forests under elevated CO₂ levels, such as those projected to occur by 2050 as a result of global climate change. **Ram Oren**, professor of ecology, directs research at the site.

Duke Across the Globe

Duke's leadership in preserving the environment is just one way that we focus on using knowledge in service to society locally, nationally and globally. President Brodhead highlighted Duke's international commitments in his annual address to faculty <http://www.dukenews.duke.edu/2007/10/rhbfaculty.html> in October where he described Duke's international successes and recommended measures for moving forward in an increasingly global world.

Cassie Phillips, a Hart Fellow in the Sanford Institute of Public Policy, will lend a more public eye to some of Duke's international engagements. Throughout this year, Phillips will take part in CNN International's "Be the Change" project to showcase what its website calls "the power of social change through action." Phillips will maintain a regular record of her fellowship in Battambang, Cambodia, where she works with orphaned and vulnerable children at a non-governmental organization called Homeland. She will keep a written and video blog on the "Be the Change" website for the entirety of her yearlong fellowship. Segments of her video blog will air regularly during CNN news shows in Asia, Europe, Africa and the Americas. You can find Phillips' page at <http://edition.cnn.com/CNNI/Programs/bethechange/cassie/>. According to Director **Alma Blount**, some 8,000 Duke students have gone through the Hart Leadership Program <http://www.pubpol.duke.edu/centers/hlp/> in the past two decades since this exceptional program that trains leaders to address complex social challenges was created with a gift from Trustee Emeritus **Milledge Hart**. The program celebrated its 20th anniversary in early November as part of the Sanford Institute's fall Board of Visitors meeting, at which Hart and his wife, Linda, were recognized.

At the invitation of His Majesty King Muhammad VI of Morocco, Associate Professor of Islamic Studies in the Department of Religion and Director of Duke's Center for Study of Muslim Networks **Ebrahim Moosa** delivered a major lecture in the historic city of Fez, "Ethical Challenges in Contemporary Islamic Thought." It was part of a high profile series during the month of Ramadan. Moosa's well-received lecture was hosted by King Muhammad, and virtually all of the principal government leaders of Morocco were in attendance.

In another part of the world, the School of Nursing's Office of Global and Community Health Initiatives and the Pan American Health Organization-Office of Caribbean Program Coordination have collaborated to plan a series of three annual conferences to address the joint issues of aging and cardiovascular disease in the Caribbean. The first of these, an invitational continuing education conference, "Managing Cardiovascular Disease in the Elderly," took place in Barbados in October with nearly 200 health professionals in attendance. Nursing students also

traveled to India and the Caribbean for community health/cultural immersion experiences in August. This extended outreach is a priority of Dean of the School of Nursing **Catherine Gilliss**.

In the Far East, in September Chancellor for Health Affairs **Victor Dzau** announced an important new partnership <http://www.dukemednews.duke.edu/news/article.php?id=10138> with the Peking University Center, China's leading academic health and hospital network. The seven-year agreement calls for Duke experts to travel to Beijing and help the Chinese center in areas including health care management, research and clinical trials.

Duke's Global Health Institute, under the leadership of Dr. **Michael Merson**, professor of medicine and community and family medicine, is actively promoting solutions to very difficult international health problems, while heightening awareness and building on the energy and passion of Duke students and faculty. The Institute will hold a conference on the healthcare worker shortage in Africa from 29 November–1 December in cooperation with the Fuqua Health Sector Management program and the World Health Organization's Global Health Workforce Alliance. The conference aims to provide analysis of, and recommendations for addressing, a number of urgent healthcare issues in Africa.

It's useful to note the degree to which the many initiatives described above involve faculty and students from wide-ranging disciplines, all focused on bringing the considerable expertise of our community to the service of the broader society, important themes of both President Brodhead and *Making a Difference*, the university's strategic academic plan.

Proposed Hospital Expansion

To ensure that Duke can continue to make advances in medical research and high quality care available to patients who come to Duke each year from around the globe, on 16 November the Health System filed a Certificate of Need (CON) with the state of North Carolina for a proposed \$596 million, 548,420 square-foot expansion of Duke University Hospital to modernize 160 of its licensed 924 beds and add 16 new operating suites. The proposed addition will be located between the Hospital's North building and Duke South clinics. The area is currently occupied by a research building constructed in 1947, and a helipad that has not been used since the helicopter landing area was moved to the roof of the hospital last year.

The proposed expansion is needed to create the facilities necessary for Duke University Hospital to continue to expand its teaching, training and research programs while also accommodating the growing need for specialty, sub-specialty and general medical care for patients.

The 160 modernized beds will be designed as four 24-bed intensive care units and two 32-bed intermediate/step-down care units. The hospital's current intensive care units are running at capacity, as is step-down care space—units that provide care for patients transitioning from intensive care to standard hospital rooms. Hospital officials report this transformation and modernization will also create significant efficiencies and improved care in relation to the proposed new operating rooms, and will include improved amenities for patients and their families.

Since 2002, the number of physicians on the active medical staff at Duke University Hospital has increased 31.5 percent from 976 to 1,284. However, aside from the pending completion of the expanded emergency department, the hospital has not expanded its facilities in more than 15 years.

“We fully recognize that this project is conditional upon the approval by the state,” said **Bill Fulkerson**, chief executive officer of Duke University Hospital. “We are optimistic that the reviewers of this request will recognize that state-of-the-art facilities and space for teaching, education, research and patient care are necessary to our ability to continue doing what we do uniquely in North Carolina.”

Duke-Durham

Our new Vice President for Durham and Regional Affairs **Phail Wynn** has been on board two days a week since 1 October and will join us full-time on 1 January 2008, when he officially steps down as president of Durham Technical Community College.

Durham held local elections in early November, and Mayor Bill Bell and two members of the City Council—Diane Catotti and Eugene Brown—were reelected. Newcomer Farad Ali was elected to the seat that had been vacated by Thomas Stith who ran unsuccessfully against Bell. We look forward to working closely with these elected leaders of our community to strengthen the quality of life in Durham and the strong relations with our host city.

In addition to the elections, voters approved both county and city referenda, one of which will provide for significant enhancements to the public schools. The citizens group advocating the county’s bond campaign was led by DUHS Associate Vice President **MaryAnn Black** and community leader Steve Toler, a former chair of the Duke-Durham Campaign, which raises money for the Neighborhood Partnership’s many programs, including those with the public schools.

David Stein, senior education partnership coordinator in the Office of Community Affairs, reports that the eighth annual School Days program was a great success. Two Duke students—basketball players **Bridgette Mitchell** and **Brian Zoubek**—along with Dean Nowicki and Assistant Director of Admissions **Gina Hubbard**, gave the students an enthusiastic welcome in Cameron Indoor Stadium. Neither rain nor an unusual cold front could stop the 300 Durham Public Schools eighth-graders from making the most of their pre-college experience at Duke. More than 25 Duke faculty spoke with the visiting students in small seminars and labs. Forty Duke students served as walking mentors as they explored campus and ate in the Great Hall, while more than 50 Duke staff members from across the campus were with the students throughout the day to help them process their “day at college.”

Osha Gray Davidson’s *The Best of Enemies*, which chronicles the evolution of the relationship between black civil rights activist Ann Atwater and former white supremacist and Duke employee C. P. Ellis in the 1970s, was selected as the Class of 2011 first-year reading selection by Duke’s Summer Reading Program. The program, in partnership with the Campus Council and Duke’s Libraries, co-sponsored a reading and reception on 11 October to honor Davidson and Atwater (Ellis passed away a few years ago). After an initial conversation with approximately

350 attendees in Griffith Film Theater, the duo moved to Perkins Library to participate in “Best Fest,” a celebration that involved members of the Duke and Durham communities. A group of 20 faculty, students and staff members led by Professor **Robert Cook-Deegan**, director of the IGSP Center for Genome Ethics, Law & Policy, **Marie Lynn Miranda**, associate professor of the practice and director of undergraduate programs at the Nicholas School, **Suzanne Shanahan**, associate research professor at the Kenan Institute for Ethics, **Ryan Lombardi**, associate dean of students, and senior **Andrew Cook**, did an excellent job in planning the events, some of which began during freshman orientation.

The book was also the first selection in a new “Duke Reads” program, which is sponsored by the Duke Alumni Association and the University Libraries. “Duke Reads” makes it possible for alumni and others to participate <http://library.duke.edu/magazine/2007/04/duke-reads-together/> in discussions of good books from anywhere in the world via the Internet. The first discussion took place during Homecoming before a live audience of alumni and students and was moderated by Vice President for Institutional Equity **Ben Reese**. A few nights later, approximately 30 people logged on to the first solely on-line session with moderator and UNC radio news program host Frank Stasio and Rita DiGiallorardo Holloway University Librarian **Deborah Jakubs**. Six more “Duke Reads” webcasts are scheduled for this academic year.

Under Director **Kim Rorschach**’s leadership, the Nasher Museum’s excellent programming and exhibits also continued to draw large numbers of students, alumni and other visitors. The museum continues to distinguish itself by showing works of modern and contemporary art previously unavailable to Triangle visitors. Museum-goers were happy to see the first Rothko installed at the Nasher. It’s a beautiful painting, part of the exhibition “Taste of the Modern: Rothko, Rauschenberg, Oldenburg, Kline,” including six important works on loan from the Museum of Contemporary Art, Los Angeles, which I commend to you. We are grateful to alumnus **Blake Byrne** ’57, chairman of the museum’s national board of advisors, who was instrumental in securing the loans. The Nasher also currently has a fascinating exhibit, “States of Mind: Dan and Lia Perjovschi” <http://www.nasher.duke.edu/exhibitions.php>.

Sanford Institute Director **Bruce Kuniholm** reports that Duke students will have an opportunity to study with another international leader next spring when General Anthony Zinni, USMC (Ret.), former head of the U.S. Central Command, will teach here as the Sanford Distinguished Lecturer in Residence. In Zinni’s course, “Leading in a New World,” undergraduates will examine the trends that have reshaped our world and the ways in which visionary leaders and organizations in all sectors have effectively responded to change. The course will be open to Hart Leadership Program students and public policy studies majors.

The creation of a new position at Duke was an administrative response to past feedback from campus groups such as the President’s Council on Black Affairs, the Graduate and Professional Student Council and Duke Student Government. This fall, Duke’s clinical director of the Academic Resource Center, **John Blackshear**, took on the newly created role of Duke’s first student ombudsperson. In his new position, Blackshear serves as an independent person for students to confidentially talk through differences with individuals or groups.

Awards and Honors

Members of the Duke University family continue to garner their share of significant regional and national awards and honors. Let me cite a few, beginning with Trustee **Daniel T. Blue, Jr.** Blue, a long-time leader of the North Carolina General Assembly, received the Defender of Justice Award for Legislative Advocacy in the fight against poverty from The North Carolina Justice Center.

Also close to home, this fall North Carolina Governor Mike Easley honored former Mary Duke Biddle Professor of Music **Robert Ward** with the Old North State Award for dedication and service beyond expectation and for excellence. In a special touch, the award ceremony was held on Ward's 90th birthday.

Two deans and a leading medical researcher have been elected to the prestigious American Academy of Arts and Sciences. Law school dean David Levi and Dean of the School of Medicine **Nancy Andrews**, along with Frederic M. Hanes Professor of Medicine and Director of the Human Vaccine Institute **Bart Haynes**, were recently inducted into the Academy, an international learned society composed of the world's leading scientists, scholars, artists, business people and public leaders.

James B. Duke Professor Emeritus of History **John Hope Franklin** received the fourth annual Records of Achievement Award from the Foundation for the National Archives for his impact upon the public's understanding of race relations in the United States. Franklin was also recently named a Library Lion by the New York Public Library, in the latest tribute to his extraordinary leadership in scholarship and civil rights.

Dean Catherine Gilliss has been voted President-Elect of the American Academy of Nursing. She will serve a two-year term before becoming the organization's president in November 2009.

And, Associate Professor of Surgery, Assistant Professor of Pathology and Associate Deputy Director of Duke's Preston Robert Tisch Brain Tumor Center **John Sampson** was the second-ever recipient of the Tug McGraw Researcher of the Year Award for his work developing vaccines for the treatment of brain cancer.

Scholarship and Research

Inventors from around the world have a new avenue for finding the latest information about the innovation universe. Spark IP.com, a new company founded by Dean Rob Clark, Jenkins Chair in New Technology and Society **Tim Lenoir**, and former Pratt dean Kristina Johnson, now provost and senior vice president of academic affairs at The Johns Hopkins University, was created as an intellectual property exchange to improve the pace of innovation by connecting the scientific community with the information critical to them.

Another Duke-led project addressing innovation came to fruition this quarter. In 2002 **Jeffrey Moe**, adjunct associate professor and senior director of business development for Duke University's Health Sector Management Program, **Henry Grabowski**, professor of economics and director of the Program in Pharmaceuticals and Health Economics, and assistant professor at Fuqua **David Ridley**, were awarded a grant from the GlaxoWellcome Foundation and Fuqua's

Center for the Advancement of Social Entrepreneurship (CASE) to consider the dilemma of “neglected diseases.” These are tropical and infectious diseases that are “neglected” due to the limited financial incentive for companies to invest in discovering and testing new treatments. The group proposed to reward the successful development of a new medicine for a neglected disease with a voucher for priority review by the Food and Drug Administration on a second drug to be marketed in the U.S. It was gratifying to see that their proposal was signed into law by President Bush on 27 September 2007.

A team of Duke researchers led by **Curtis Richardson**, professor of resource ecology at the Nicholas School, have been looking at state and federal standards for phosphorus releases into the Everglades. They found that current standards seem sufficient to protect the huge and critically important wetland’s resident plants and animals from damage, but that pollutant levels still reach double or triple safe levels near some of the Everglades’ outer edges. This causes an imbalance in the algae, plant and small animal communities that make up the marshland environment. The research was supported by the U.S. EPA and the Everglades Area Agricultural Environmental Protection District of South Florida.

Arlie Petters, professor of mathematics and physics, worked with Marcus Werner, a Cambridge University graduate student in astrophysics, on a report for the research journal *Physical Review D* that showed there is a way to determine where the laws of physics break down and whether some black holes are not actually black. In work supported by the National Science Foundation in the United States and the Science and Technology Facilities Council in the United Kingdom, the pair employed a finding that a black hole might not always hide within a barrier from which light can never escape if its angular momentum—an effect of its spin—is greater than its mass. In the event that the required conditions were met, Petters’ and Werner’s calculations show that certain black holes can shed this dark barrier, revealing their center—a place where the laws of physics break down. They showed that these black holes’ massive gravitation would split the light of background stars or galaxies in telltale ways that are potentially detectable by astronomers using existing or soon-to-be available instruments.

Duke researchers have also investigated matters slightly more esoteric. Aleksandar S. Vesic Professor of Civil Engineering and History **Henry Petroski**’s new book *The Toothpick* has received significant media attention since its release in October. The book chronicles the toothpick’s odd and funny history, taking readers back to the time of the Neanderthals. Petroski has written several well-regarded books explaining how common things like toothpicks and paper clips reflect interesting and important engineering principles.

Duke Athletics

The university takes pride in the fact that Duke combines high quality academic programs with high achieving athletic programs. For the third straight year, Duke University was the top-ranked Division I school in the 2007 National Collegiate Scouting Association Power Rankings. The power rankings take a school’s Directors’ Cup, *U.S. News & World Report* and NCAA graduation rate rankings into account. Duke now has three number one power rankings in the NCSA’s four-year history of producing them.

Statistics for the Graduation Success Rate (GSR) released by the NCAA indicated that 97 percent of freshmen student-athletes receiving scholarship aid, or recruited individuals

participating in programs that do not offer athletic aid, graduated from Duke within six years. The GSR is based on student-athletes who entered college as freshmen between 1997-2000. A total of 20 Duke teams achieved a 100 percent GSR with five other sports achieving a GSR of 90 percent or better, pushing Duke's total to 25 of 26 sports at 90 percent or higher.

In October the Durham City Council honored seven Duke athletic teams that captured championships or reached the Final Four in 2006-07—field hockey, men's soccer, volleyball, women's basketball, women's golf, and men's and women's lacrosse. Student-athletes and coaches from each team attended a reception prior to being recognized by Durham Mayor Bill Bell and the City Council. President Brodhead and Joe Alleva also participated.

Men's lacrosse Coach **John Danowski** has been recognized by US Lacrosse as the 2007 Person of the Year. Danowski is the inaugural winner of the award and will be featured in the December issue of *Lacrosse Magazine*. In announcing his selection "... as the face of lacrosse over the past year and a half," Danowski was selected for being "... the consummate ambassador for our sport under the most difficult of circumstances" and for doing so "... with dignity, intelligence and passion."

Duke's athletes continue to exemplify the interconnectedness of athletics and academics at Duke through their scholastic achievement and community service. For instance, many student-athletes have begun work with the award winning "Verizon Read with the Blue Devils" program, now in its 16th year. Another example is the Internet-based program developed by senior **Zach Maurides**, a football player. Maurides came up with the program to help college athletes and athletic teams manage busy schedules as part of his computer class. The program is already being used by the Duke football and lacrosse teams, and other universities have expressed interest in adopting it as well.

The Duke University fall sports teams have once again enjoyed stellar seasons as six teams have been ranked in the top-30 of the national polls. The defending national champion women's golf team is listed in first place and won three of five tournaments in the fall, while the men's golf team ranked 13th. The field hockey, men's soccer, volleyball and women's soccer teams also have had strong seasons. The winter sports program has begun, and it looks like we can expect another year of first-rate basketball in Cameron from both our women's team under a great new coach, **Joanne McCallie**, and **Coach K's** young but deep and talented team.

I hope you find this summary of selected highlights to be useful. As always, please do not hesitate to contact me if you'd like additional information about any of the items in this report.