

BULLETIN

Volume LXXVIII, Number 8

Friday, December 15, 2006

www.ncsu.edu/BulletinOnline/

NC STATE UNIVERSITY

News for the North Carolina State University Community

NC State earns elite 'community engagement' status

The Carnegie Foundation for the Advancement of Teaching selected NC State among 76 U.S. colleges and universities for its new Community Engagement classification, which focuses on the nature and extent of the schools' connections with the community.

NC State submitted a 91-page document that highlighted its numerous and varied successful interactions with the community. These include Centennial Campus, the university's research park that stimulates creative

solutions to problems through its strong partnerships with industry and government, and the Service-Learning Program, in which students actively

participate in community service as part of classroom activities.

Schools were classified in three categories: "curricular engagement," or

how the schools actively engage students and faculty in community-identified needs and work to improve community well-being; "outreach and partnerships," which focuses on the application and provision of institutional resources for community use with benefits to both campus and community and on collaborative interactions with community and related scholarship for mutually beneficial exchange; and a combined "curricular

SEE ENGAGED, PAGE 4

What is a Carnegie Classification?

The Carnegie Classification was developed more than 30 years ago by the Carnegie Foundation for the Advancement of Teaching to enable researchers to identify groups of roughly comparable institutions. "Community Engagement" is a new "elective" classification, meaning universities chose to submit descriptions and examples of their institutional practices.

Centennial Campus adding several amenities

Even though Centennial Campus has an occupancy rate of 99 percent and tenants like MeadWestVaco are planning major expansions, more amenities are needed to attract tenants on a long-term basis, Bob Fraser, associate vice chancellor for development on Centennial Campus, told the Staff Senate recently.

To that end, Fraser announced plans for several upgrades to the campus in the near future, including:

- Addition of a fishing pier on Lake Raleigh
- Completion of a greenway that would run from Avent Ferry Road past North Shores all the way to the State Farmer's Market on Centennial Parkway
- Completion of the extension of Main Campus Drive to the Friday Institute
- Start of construction on the golf course

He added that an exercise course, developed in tandem with Campus Recreation, recently opened along the greenway, and praised the new Dorothy and Roy Park Alumni Center as a "terrific place," particularly the State Club dining facilities.

"Taking a look at the broad spectrum on Centennial Campus, we decided that in order to compete with other places and to lure these partners, we needed to start to provide some amenities," Fraser said. "Also, as a land-grant institution, we needed to open it up and include folks that we haven't before."

Fraser said that one of Centennial Campus' tenants, the N.C. Wildlife Resource Center, has agreed to build the public fishing pier on Lake Raleigh.

The center will use the pier to offer fishing lessons to school-aged children. Campus Recreation, NC State's concrete canoe team, and canoe and kayak enthusiasts would also be able to take advantage of the pier, as will area fishermen. The Wildlife Resource Center hopes to have the pier open for National Fishing Week, which begins June 1.

Those working on the Avent Ferry Greenway Development project hope to open the first phase at the same time as the pier. That portion would connect the Wildlife Resource Center with the pier.

Fraser added that the Main Campus Drive extension should be finished by December 2007.

The golf course project has gained new life after significant "in-kind giving" from donors reduced the cost. Fraser said donations have included everything from turf grass and earth-moving equipment to reduced design fees. Development officials are working on gaining similar donations from someone in the modular home field for a temporary clubhouse and someone



The grand ballroom of the recently opened Park Alumni Center provides a warm welcome home to members of the Wolfpack family. The facility, which includes an upscale dining room, is one of several improvements that have already been made or are coming soon to Centennial Campus. (Photo by Roger Winstead)

who can provide 166,000 gallons of diesel fuel to run the equipment.

"In our committee meetings now, people are falling over themselves to talk, and that's a huge difference in tone," Fraser said. "Do we have the money today? No. But we have a plan to go get it that has more life and vibrancy than the plan we had six months ago."

Developers are now hoping to begin construction as early as this spring. ■

UNC system unveils final budget request

In its report to the governor and General Assembly on budget priorities for the next two years, the University of North Carolina Board of Governors (BOG) state that need-based financial aid and competitive salaries are two of the system's highest priorities.

The report said that the board's top priority is obtaining the resources needed to fully fund the UNC Need-Based Student Financial Aid Program. The board requested \$35.6 million in 2007-08 and another \$19.2 million in 2008-09 to meet that objective.

Citing the importance of its faculty in helping the state compete in a knowledge-based global economy, the board requested nearly \$88 million over the biennium to raise faculty salaries at all 16 system institutions to the 80th percentile of their peers. Of that total, NC State would need nearly \$18 million to reach that level. Since peer salaries are likely to rise during the next two years, the BOG also asked for a 4 percent merit-based salary increase each year for EPA employees, which would require \$143 million over the biennium.

Other areas cited as priorities for the next two years include:

- Student success, graduation and retention
- Research
- More and better teachers, improved schools
- Health care
- Regional/statewide economic transformation and competitiveness

SEE BUDGET, PAGE 4

Research priorities can be met by achieving three goals

By Dr. John Gilligan, VICE CHANCELLOR FOR RESEARCH AND GRADUATE STUDIES

NC State is a “Research Extensive University.” The Carnegie Foundation has thus placed NC State in the highest research classification (see story, page 1). Practically speaking, this means that NC State is strongly committed to the research process and the resulting innovation. Faculty are encouraged to spend a good portion of their time exploring new knowledge that can be passed on to students and the scholarly community. Growth of research and graduate programs has been identified as one of the top two priorities in our NC State Strategic Plan for the future. We pride ourselves as a university that encourages innovation through the research process.

The research process consists of many steps including discovery, creation of new knowledge or creative works, and then critical review by peers. The university must recruit and hire the best faculty to undertake this process, frequently competing with other universities, just as we do for the top athletic talent. Our NC State faculty, in turn, must compete for research and scholarly support from national agencies and foundations by submitting proposals to conduct research projects. This process brings in more than \$200 million per year to NC State to support graduate

students, buy critical equipment, and run laboratories. Faculty members and students publish their discoveries and results in very selective and critically acclaimed journals and books. The academic freedom that we all enjoy requires that our results be subjected to the highest levels of review and criticism before publication. This is a fascinating and exhaustive process – from discovery/creation to review/publication. In the end, however, it yields the highest quality results – which is why U.S. research universities are considered the best in the world.

I have formulated several straightforward and attainable goals to stimulate research and discovery on our campus. My first goal is for every student who graduates from NC State to have a research, design or capstone project experience focused on solving a real world problem/issue. These could come from a classroom project, research internship or relevant job experience. The latter two items could be on or off campus. Nearly



every graduate degree awarded meets this objective. For undergraduate students, this goal is still a challenge. However, we have a variety of options to stimulate the process. For example, we have an Undergraduate Research Office that matches up students with faculty mentors. Our Cooperative Education Office fits students with industry work projects as they pursue their degree. The Service Learning Office integrates real-world projects with academic courses. There are also many engagement projects, such as alternate spring/fall break, that contribute to society. Special project or thesis courses exist in most every department to allow students to work with faculty mentors on critical applied problems. There are also many off-campus work or study assignments that can lead to fruitful job related experiences, including international study.

My second goal is for every current faculty member to have sponsored support from an outside entity to help carry on research or scholarly activity. Currently about 70 percent of our faculty have an outside source of support at any given time. NC State is poised to take advantage of explosive growth for STEM (science, technology, engineering, mathematics) innovation in programs by

President Bush and endorsed by many members of Congress. We are anticipating that budgets will increase significantly in these areas, leading to many new project startups.

My third goal is for Centennial Campus to become a bigger springboard for NC State research and scholarly prominence through innovation work with our corporate and government partners. Part of this goal has already been achieved in that Centennial Campus is already a national model for partnerships with industry/government, but more can be done. It is also true that NC State is judged as one of the top 20 universities in the world (and in the top 10 in some research areas) in the invention process to commercialize our research and create spin-off companies. There are many special opportunities on Centennial Campus for connections with industry and government research groups. There are only six universities in the United States that receive more research funding from industry than NC State. Hence we are poised to make real the part of our mission that states “North Carolina State University provides leadership for intellectual, cultural, social, economic, and technological development within the state.” ■

Scientists identify genes that may be key to malaria ‘arms race’

Scientists at NC State have taken an important step toward identifying specific genes within the parasite that causes the deadliest form of malaria – genes that could be the key to developing vaccines and drug treatments that are

urgently needed to save lives.

Dr. Philip Awadalla, assistant professor of genetics, and NC State colleagues Kate McGee and John Keebler, along with researchers from the National Institutes of Health and Oxford University, looked at more than 3,500 genes within the genome of *Plasmodium falciparum* – the parasite responsible for malaria – and identified several genes that likely have to do with how the disease affects human beings.

The results were published in the Dec. 10 online edition of *Nature Genetics*.

The genome of *P. falciparum* had previously been sequenced, giving scientists a broad overview of its structure, but they lacked specific information about the function of genes within the genome that

might control the way the organism interacts with its host’s immune system. In order to find likely candidates, Awadalla and his colleagues studied different samples of the same organism, looking for what are known as polymorphisms – locations along the genome where specific genes differ between the samples.

“All organisms change over time, and these genetic mutations fall into two major categories,” Awadalla says. “One type of mutation you see is called a selective sweep – where every sample of an organism shows the same change. These are adaptive mutations which sweep through the population rapidly removing all other mutations at that gene.

“But when you’re dealing with an

organism that’s trying to stay one step ahead of new drug therapies, you see more individual mutations because of constant turnover in both the parasite and the host – an “arms race” of sorts between the human immune system and the parasite.”

To pinpoint the arms race genes, the scientists identified sites on the genome that displayed a high degree of variation, or polymorphism. They took the genes from these sites and used bacteria to express the proteins that these genes would normally produce inside the parasite, then tested these proteins against human immunity proteins to see if they would react. A positive reaction with the human immunity proteins indicated that the genes would be good candidates for drug and vaccine targets.

Awadalla and the team identified 100 highly variable genes within the *P. falciparum* genome. Of those 100, 10 new genes of previously unknown function showed strong reactions to the human immunity protein, giving the scientists a clue to their function, and a starting point for further research into how malaria targets the human body and its effect on the immune system.

“The question now is to find out exactly what these genes do, and to determine how these genetic variants work,” Awadalla says. “Then hopefully we’ll be able to tailor a drug or vaccine that will interact with the proteins that the genes produce.” ■

BULLETIN

North Carolina State University
Raleigh, North Carolina
Dr. James Oblinger, Chancellor



The *Bulletin*, NC State University’s faculty and staff newspaper, is produced by NC State News Services. It is published every third Friday during the academic year and once per month during the summer.

Editor

Benny Benton

Contributors

Chad Austin, Lauren Gregg,
Mick Kulikowski, Keith Nichols
and Tracey Peake

Distribution to faculty and staff

Office managers should notify the *Bulletin* staff in writing to change the number of copies received at their campus box numbers.

Deadlines

Information may be sent by mail to *Bulletin*, Box 7504, by fax to 515-2556 or by e-mail to bulletin@ncsu.edu. Deadline is noon Tuesday 10 days before publication. The deadline for the Jan. 12 edition is Jan. 2. For information, call 515-3470 or go to the *Bulletin Online* at:

www.ncsu.edu/BulletinOnline/

❄️ ❄️ **Chancellor James L. Oblinger** ❄️ ❄️
and **Dr. Diana G. Oblinger**

*cordially invite all NC State University
faculty and staff members
to a Holiday Open House
at the Chancellor’s Residence*

❄️ 1903 Hillsborough St.
11 a.m. to 1 p.m.
Thursday, Dec. 21 ❄️

A NEW LEADER OF THE PACK



Tom O'Brien meets with the news media after being introduced as NC State's 33rd head football coach during a press conference on Saturday, Dec. 9. O'Brien comes to the university from Boston College, where he won more games than any coach in school history, posting a 75-45 record in 10 seasons. He was the recipient of the American Football Coaches' Association's 2004 Academic Achievement Award for posting a 100 percent graduation rate, and received honorable mention status seven additional times. O'Brien is a native of Cincinnati and a graduate of the Naval Academy. (Photo by Peyton Williams / NC State Athletics Media Relations)

PACE recommendations released

Last April, University of North Carolina System President Erskine Bowles commissioned a President's Advisory Committee on Efficiency & Effectiveness (PACE) of state and business leaders to review the university's activities and to provide findings and possible recommendations. Bowles also asked each of the 16 campuses in the system to review their own operating budgets for efficiency and effectiveness. The final PACE report has now been submitted to President Bowles.

"The PACE study will illuminate potential improvements and will enhance the university's ability to provide the most effective and efficient teaching, research and outreach to our students and our state," said Chancellor James Oblinger.

The PACE study outlined several key principles:

- Collaborating with other institutions
- Leveraging system strength
- Enabling innovative purchasing and negotiation
- Avoiding redundancy in processes
- Benchmarking where practical
- Managing growth
- Facilitating information aggregation and dispersal

There were three levels in the PACE process: a general administration review, a system review and a campus review. In the general administration review, there was a 10 percent budget cut (\$1.3 million) and 12 positions were eliminated.

"At the system level, the committee asked the campuses to look at what they were spending on core functions, which includes things such as instruction, research and public services activities," says Charles Leffler, NC State's vice chancellor for finance and business and chair of the campus PACE committee. "The campuses were also asked to review their en-

abling or support functions which include activities such as academic administration, advancement, facilities management, information technology and advising. The campuses looked at how money was spent in each of these areas."

After all that budget information was gathered, a systemwide expenditure profile was developed. The profile illustrated that systemwide about 49 percent of expenditures occur in the core function areas. At NC State, about 53 percent of expenditures occur in core function areas.

Qualitative data was also collected systemwide. Seven working groups were created to identify opportunities to cut costs, avoid costs and grow revenue. The seven areas examined were academic administrative support, facilities management, information technology, auxiliary operations, construction and leasing, human resources and barriers (reporting requirements). The working groups came up with about 56 recommendations and how they can be implemented. Some of the recommendations will require a legislative change or a process change.

The next step is for each of the campuses to assess the recommendations and their own operations. Leffler says an NC State campus advisory group has been appointed to examine the university's operations and develop improvements. The group will focus on areas such as personnel functions, information technology and energy management, for example.

Each campus will submit preliminary reports early next year. Systemwide implementation of the recommendations and legislative discussions are scheduled to begin in January.

The entire PACE report is available online at www.northcarolina.edu. Visit the site and search the word "PACE." ■

BULLETIN BOARD

Health plan PPO offering free generic drugs

Generic drugs will be dispensed free of charge to State Health Plan members participating in the indemnity or PPO plan from Jan. 1 through Mar. 31. Members will not be responsible for co-payments during this time when visiting a local participating network pharmacy. Participants taking a brand-name drug who are interested in using a generic drug should speak with their doctor to see if an appropriate generic drug is available. Members of the plan are also eligible to receive generic over-the-counter nicotine replacement therapy patches through the plan's pharmacy benefit during this period. For additional details, visit www.shpnc.org, or call Medco Member Services at 1-800-336-5933.

Discount basketball tickets available to employees

NC State employees are being offered discounted tickets for three NC State men's basketball contests – games against Mount St. Mary's College at 3:30 p.m. on Saturday, Dec. 16, East Carolina University at 7 p.m. on Thursday, Dec. 28, and the University of North Carolina-Greensboro at 7 p.m. on Tuesday, Jan. 2. Tickets are \$5, and can be purchased online at www.gopack.com. To purchase, visit the Web site, click on "Buy Tickets Online," and click on "Promotions." For the Mount St. Mary's game, enter promo code "NCEmployee." For the East Carolina and UNC-Greensboro contests, enter promo code "Achieve." There is a limit of four tickets, and ticket availability is limited. For more information, call 865-1439.

Topic announced for engaged university symposium

The fifth annual Symposium on the Engaged University, sponsored by the Office of Extension, Engagement, and Economic Development, will be held on Friday, Jan. 26, and will focus on "Reappointment, Promotion and Tenure in the Engaged University."

Among other topics, participants will learn how to most effectively document and report scholarship within one of the six associated realms of faculty responsibility, and how scholarly work can engage people, organizations and students to fulfill the university's land-grant mission. Faculty members with teaching, research and/or extension appointments will have opportunities to interact with other faculty members, university administrators, and national experts concerning the current RPT process at the department, college and university levels.

The event will take place from 1-5 p.m. at the McKimmon Center. For more information, contact debbie_reno@ncsu.edu or 513-0150.

Wolflines routes changing in January

Effective Jan. 10, changes will be made to Wolflines routes 8 (Southeast Loop) and 11 (Village Link), and a new mid-day textile route (8A) will be added. Details will be available at www.ncsu.edu/wolflines beginning in January. Printed route maps and schedules for the spring semester will be available on-board buses and on campus at D.H. Hill Library, Talley Student Center and Carmichael Gym. Bus routes may be viewed in real-time at <http://ncsu.transloc-inc.com>.

Dan Allen Drive closed for railroad repairs on Dec. 16

Norfolk Southern Railroad will close Dan Allen Drive to pedestrians and through traffic on Saturday, Dec. 16, from 8 a.m.-5 p.m. The road closure will only affect the area adjacent to the railroad crossing. Destinations along Dan Allen will remain accessible, but other routes should be used for travel through campus during this time. For more information, contact Timothy Tresohlavsky at 515-1610 or timothy_tresohlavsky@ncsu.edu.

Dairy to offer public sale of egg nog

The Department of Food Science Dairy will be selling egg nog to the public for the first time. Sales will take place on Wednesday, Dec. 20, from 8:30 a.m.-12:30 p.m., and Thursday, Dec. 21, from 1-4 p.m. until the product is sold out. The location of the sale is Room 12 of Schaub Food Science Building. The egg nog will be packaged in quart containers and have a two-week refrigerated shelf life. Price is \$2.50 per quart plus tax and can be paid by credit card, debit card or check. Cash cannot be accepted. Quantities are limited.

Mitchell retiring from Facilities Operations

Bill Mitchell will be retiring from Facilities Operations on Friday, Dec. 22, after more than 28 years of service to the university. Mitchell is currently assistant director of budget management.

Communication Services offering gardening calendar

The Communication Services Department has produced a 2007 calendar featuring photographs by Bryce Lane, faculty member in horticultural science and host of the UNC-TV show "In the Garden." The calendar includes images of ornamental plants, scenes from gardens around the world, and timely gardening tips.

The calendar is \$15, and may also be ordered by calling 513-3255 or purchased in person at the Butler Communication Services Building. Phone orders require a \$2 handling fee.

December

15 Friday

College of Design Event

Downtown Studio Open House, 4-6 p.m., 131½ Wilmington St., RSVP to 515-8952 or celen_pasalar@ncsu.edu

16 Saturday

Men's Basketball Game

Wolfpack vs. Mount St. Mary's College, 3:30 p.m., RBC Center

20 Wednesday

Fall Graduation Exercises

Commencement begins at 9 a.m., RBC Center

Men's Basketball Game

Wolfpack vs. University of Alabama, 6:30 p.m., RBC Center

Women's Basketball Game

Wolfpack vs. Saint Joseph's University, 7 p.m., Reynolds Coliseum

21 Thursday

Holiday Open House

11 a.m.-1 p.m., chancellor's residence

22 Friday

Women's Basketball Game

Wolfpack vs. Lehigh University, 1 p.m., Reynolds Coliseum

25 Monday

University Holiday

Most university offices closed

26 Tuesday

University Holiday

Most university offices closed

27 Wednesday

University Holiday

Most university offices closed

28 Thursday

University Holiday

Most university offices closed (Employees required to use leave time, floating holiday or leave without pay)

Men's Basketball Game

Wolfpack vs. East Carolina University, 7 p.m., RBC Center

29 Friday

University Holiday

Most university offices closed (Employees required to use leave time, floating holiday or leave without pay)

Calendar Submissions

NC State-sponsored events are published in the calendar. Submissions should state the time, date, place, sponsor and title of event, the name of the speaker and his or her affiliation, the admission cost and the name and telephone number of the contact person.

Send items to **Calendar Editor, NC State News Services, Box 7504, or fax to 515-2556**. The deadline is noon, Tuesday, 10 days before the publication date. For the Jan. 12 calendar, the deadline is Jan. 2.

For more information about *Bulletin* submission policies, go to the *Bulletin Online* at:

<http://www.ncsu.edu/BulletinOnline/>.

30 Saturday

Men's Basketball Game

Wolfpack vs. University of North Carolina-Wilmington, 6:30 p.m., RBC Center

1 Monday

University Holiday

Most university offices closed

2 Tuesday

Men's Basketball Game

Wolfpack vs. University of North Carolina-Greensboro, 7 p.m., RBC Center

6 Saturday

Wrestling Meet

Wolfpack in NC State Duals, all day, Reynolds Coliseum

Men's Basketball Game

Wolfpack vs. Boston College, 2 p.m., RBC Center

9 Tuesday

Men's Basketball Game

Wolfpack vs. Clemson University, 7 p.m., RBC Center

10 Wednesday

Wrestling Meet

Wolfpack vs. Duke University, 7:30 p.m., Reynolds Coliseum

Ongoing

Gallery of Art & Design Exhibits

"Sid Oakley – Artist, Mentor, Friend" and "Resplendent Reds – 19th Century Turkmen Textiles," through Dec. 21, Gallery of Art & Design

"Jacob Marley's Christmas Carol"

Dec. 15-16, 8 p.m.; Dec. 17, 3 p.m., Thompson Theatre, tickets \$10-\$15, visit <http://ticketcentral.ncsu.edu> or call 515-1100

Engaged

CONTINUED FROM PAGE 1

engagement and outreach & partnerships" category, which includes institutions with substantial commitments in both areas described above.

NC State was one of 62 institutions receiving classification in the latter category due to its deep and wide commitments in both curricular engagement and outreach and partnerships. These partnerships include college activities in community design, economic development, 4-H and youth development, as well as Centennial Campus, the Industrial Extension Service and Cooperative Extension programs.

"NC State and 'ivory tower' have never been synonymous," says Dr. James Zuiches, vice chancellor for extension, engagement and economic development. "This Carnegie classification affirms what we already know so well: NC State takes its extension, community engagement and economic development work just as seriously as it takes its teaching and research responsibilities. We work hard to recognize, understand and solve the problems facing our state and nation."

To view NC State's community engagement document, visit www.ncsu.edu/extension/publications/documents/9.06.06_Carnegie_extended.doc. ■

Obituaries

Melba Sharpe Jones, a former agricultural extension employee, died Nov. 27. She was 88.

A native of Spencer, Jones worked in agricultural extension offices in Salisbury and Raleigh.

She is survived by a daughter, Carolyn; four sons, James, Michael, Robert and William; and six grandchildren.

Memorial contributions may be made to the Glenaire Foundation Employee Appreciation Fund, 4000 Glenaire Circle, Cary, NC 27511, or Ridge Road Baptist Church, 2011 Ridge Road, Raleigh, NC 27607.

Dr. Daniel Townsend Pope, professor of horticulture science, died Dec. 4. He was 92.

A native of Edisto Island, S.C., Townsend received his bachelor's degree from Clemson University in 1935 and his master's degree from Louisiana State University in 1937. He earned his doctorate from Cornell University in 1952.

Pope served as an assistant professor at Berry College in Rome, Ga., from 1937 to 1940; graduate assistant professor at Cornell from 1940 to 1941; and associate professor and professor at NC State from 1947 to 1976.

He was also a U.S. Army veteran. Pope served in the 28th Infantry Division at the Battle of the Bulge and in the European Theater until Victory in Europe Day. In 1945, he was assigned to the military government, served in civil administration and returned to the United States in 1946.

Pope was a member of Alpha Zeta Honorary Society and the American Society for Horticulture Society, where he was elected a Fellow in American Society Horticulture Science in 1974.

He is survived by a daughter,

Patricia; and two grandchildren.

Memorials may be made to the American Cancer Society, 5900 Core Road, Suite 504, North Charleston, SC, 29406; The Presbyterian Church on Edisto Island, 2164 Hwy. 174, North Charleston, SC 29438; or St. Jude's Children's Research Hospital, 501 St. Jude's Place, P.O. Box 3704, Memphis, TN 38173.

Dr. Thomas Michael Hare, a faculty member in the College of Engineering, died Dec. 5. He was 63.

A native of Monmouth County, N.J., Hare graduated from Rutgers University with a bachelor's degree in ceramics in 1966 and went on to earn his doctorate in materials science in 1972.

Hare taught in the Department of Materials Science and Engineering for 33 years.

He is survived by his wife, Bonnie; a son, David; two daughters, Emily and Megan; a brother, Larry; and seven grandchildren.

Memorial donations may be sent to the Doggett Center at NC State, 600 Bilyeu St., Raleigh, NC 27606.

Verna Lisa Riley, a former employee at the library, died Dec. 8. She was 36.

A native of Chicago, Riley received her bachelor's degree from the University of Illinois.

She is survived by her son, Reginald; her partner, Crystal LaShan Hardison; her mother, Jacqueline; her stepfather, Animashaun; a sister, Lea; and two brothers, Jason and Phillip.

Memorial donations may be made to Save Our Sisters, Rex Hospital, 4420 Lake Boone Trail, Raleigh, NC, 27607 or to a fund for Reginald Mullins Jr., care of: Crystal L. Hardison, 5612-100 Beach Water Drive, Raleigh, NC 27604.

Budget

CONTINUED FROM PAGE 1

Budget impacts over the biennium in those areas for NC State include:

- \$2.2 million for nearly 190 new graduate tuition remissions
- \$7 million for bioenergy efforts
- \$36 million in recurring and non-recurring funds for the North Carolina Research Campus in Kannapolis (collaboration among six system universities)
- \$2.3 million toward a Photonics Consortium (in collaboration with UNC-Charlotte and Western Carolina)
- \$2 million for STEM (science, textiles, engineering and mathematics education) efforts at NC State and UNC-Chapel Hill
- \$15 million for the College of Engineering – bioengineering faculty, infrastructure and programs
- \$2 million for entrepreneurship and regional-cluster based economic development through the Economic Development Partnership office

Among the capital budget priorities submitted by the BOG were three NC State projects. The report included a request for \$28.5 million for planning and site develop-

ment of a proposed 279,000-square-foot library on Centennial Campus; \$38 million (to accompany \$34 million in contributed non-state funds) toward a companion animal hospital on the Centennial Biomedical Campus; and \$34 million to add 65,000 square feet to Engineering Building III, the first phase in a four-part build-out.

Secondary capital requests involving NC State included \$9 million in 2008-09 for planning on phase two of the engineering build-out, and another \$9 million in 2008-09 to begin improvements on the state's six 4-H camps.

Throughout the system, the board has requested nearly \$1.8 billion in funding above current levels. The total includes nearly \$1 billion for capital improvements, nearly \$500 million in additional operating appropriations and more than \$280 million in repair and renovation support.

NC State has identified almost \$125 million in essential repair and renovation projects over the next six years. That total includes roughly \$44 million for improvements to electrical, plumbing and heating, ventilation, and air-conditioning systems; \$29 million for improvements to roads, walks, drives and utilities infrastructure; and \$27 million to improve use of existing space. ■