

Virginia Tech Board of Visitors Meeting

August 26, 2002

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MINUTES **AUGUST 26, 2002**

The Board of Visitors of Virginia Polytechnic Institute and State University met on Monday, August 26, 2002, at 1:00 p.m. in the Torgersen Hall Board Room at Blacksburg, Virginia.

Present

Mr. Mitchell O. Carr
Mr. Ben J. Davenport, Jr.
Mr. Donald R. Johnson
Mr. William C. Latham
Mr. John R. Lawson, II
Mr. T. Rodman Layman
Mr. Jacob A. Lutz, III
Mr. A. Ronald Petera
Mr. Thomas L. Robertson
Mr. John G. Rocovich, Jr.
Dr. Beverly Sgro
Mr. Philip S. Thompson
Mr. Joseph W. Wampler
Mr. Brian Montgomery, Undergraduate Student Representative
Mr. Christian Rieser, Graduate Student Representative
Dr. Edd Sewell, President, Faculty Senate

Absent

Mr. Bruce B. Smith

Also present were the following: Dr. Charles W. Steger, Dr. Mark McNamee, Mr. Minnis E. Ridenour, Dr. Raymond D. Smoot, Jr., Dr. Lanny Cross, Dr. Tom Tillar, Dr. Pat Hyer, Mr. Larry Hincker, Mr. Jerry Cain, Dr. Ben Dixon, Dr. Joe Merola, Mr. Dwight Shelton, Mr. Ralph Byers, Dr. James Bohland, Ms. Kim O'Rourke, Dr. Elizabeth Flanagan, Ms. Kay Heidbreder, Dr. Elaine Scott, Dr. Lisa Wilkes, Mr. Erv Blythe, Dr. Clark Jones, Dr. Lay Nam Chang, Ms. Kathy Sanders, Ms. Sandy Smith, Ms. Teresa Wright, Ms. Terri Thompson, Dr. David Ford, Mr. Jeb Stewart, Dr. Karen DePauw, Dr. Ed Spencer, Ms. Jean Elliott, Mr. Paul Lancaster, Dr. Buddy Russell, Mr. Ron Daniel

The meeting was called to order by the Rector, Mr. Rocovich, at 1:00 p.m.

Mr. Rocovich welcomed the Board's newest members, Mr. Ben Davenport, Mr. John Lawson, and Mr. Tom Robertson. Mr. Bruce Smith is also a new member to the Board, but was not able to attend this meeting. Also introduced were Dr. Edd Sewell-Faculty Senate President, Mr. Brian Montgomery-Undergraduate Student Representative, and Mr. Christian Rieser-Graduate Student Representative.

Mr. Rocovich announced the meeting dates for 2003. They are as follows:

March 9-10, 2003

June 1-2, 2003

August 24-25, 2003

November 2-3, 2003

Mr. Lutz moved that the minutes of the June 3, 2002, meeting be approved as distributed. The motion was seconded by Mr. Thompson. The minutes were approved unanimously.

REPORT OF THE ACADEMIC AFFAIRS COMMITTEE

Mr. Rocovich called on Mr. Johnson for a report of the Academic Affairs Committee. (Copy attached for the permanent files and marked Attachment A.)

As part of the Academic Affairs Committee report, the following resolutions were moved by Mr. Johnson, seconded by Mr. Davenport, and were approved unanimously:

Resolution Recognizing the Contribution of the Office of Naval Research to the Center for Adhesive & Sealant Sciences

Resolution Recognizing the Adhesive and Sealant Council, Inc., and the Adhesive and Sealant Council Education Foundation

That the resolutions be approved. (Copy filed with the permanent minutes and marked Attachment B.)

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As part of the Academic Affairs Committee report, the following resolution was moved by Mr. Johnson, seconded by Dr. Sgro, and was approved unanimously.

Review of Research and Public Service Centers

That the review of the Virginia Water Resources Research Center be accepted and approved, and forwarded to the State Council for Higher Education with a recommendation for the continuance of the Center. (Copy filed with the permanent minutes and marked Attachment C.)

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REPORT OF THE BUILDINGS AND GROUNDS COMMITTEE

Mr. Rocovich called on Mr. Latham for a report of the Buildings and Grounds Committee (Copy attached for permanent files and marked Attachment D.)

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As part of the Buildings and Grounds Committee report, the following resolution was moved by Mr. Latham, seconded by Mr. Layman and approved unanimously:

Resolution for Concurrent Police Jurisdiction

That the resolution authorizing concurrent jurisdiction for the Virginia Tech Police on properties owned or leased by university related corporations be approved. (Copy attached for permanent files and marked Attachment E.)

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As part of the Buildings and Grounds Committee report, the following resolution was moved by Mr. Latham, seconded by Mr. Lawson, and approved unanimously:

Resolution for Virginia Department of Transportation Easement

That the resolution authorizing the Vice President for Administration and Treasurer to execute the easement to the Virginia Department of Transportation be approved. (Copy attached for permanent files and marked Attachment F.)

REPORT OF THE FINANCE AND AUDIT COMMITTEE

Mr. Rocovich called on Mr. Lutz for the report of the Finance and Audit Committee (Copy attached for permanent files and marked Attachment G.)

As part of the Finance and Audit Committee report, the following resolution was moved by Mr. Lutz, seconded by Mr. Thompson, and approved unanimously:

**Resolution of the Board of Visitors of
Virginia Polytechnic Institute and State University**

Parking Auxiliary 9(c) Financing

That the resolution authorizing the issuance of 9(c) bonds for the Parking Auxiliary project be approved with one change on page 3, Section 2, first sentence, change the word "dining" to "parking." (Copy filed with the permanent minutes and marked Attachment H.)

Mr. Lutz excused himself and left the room prior to discussion or voting on the following resolution due to a possible conflict of interest since his law firm has been selected to serve as counsel for the Virginia College Building Authority for this particular bond issue. He asked Mr. Thompson to handle this part of the meeting. He returned to the meeting immediately following the vote.

As part of the Finance and Audit Committee report, the following resolution was moved by Mr. Thompson, seconded by Mr. Latham, and approved unanimously:

**Resolution of the Board of Visitors of
Virginia Polytechnic Institute and State University**

**Biomedical Sciences Complex, Career Services Facility and
Electric Service Facility 9(d) Financing**

That the resolution allowing the authorized officers to enter into a loan agreement and promissory note with the VCBA to finance the three 9(d) projects, and to allow the authorized officers to enter into future loan agreements on behalf of the University, be approved. (Copy filed with the permanent minutes and marked Attachment I.)

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As part of the Finance and Audit Committee report, the following recommendations were moved by Mr. Lutz and seconded by Mr. Thompson, and approved unanimously:

Budget Amendments for 2003 Executive Budget

That the Board authorize the University administration to submit the budget request for the 2003-04 Executive Budget in accordance with state instructions and consistent with the initiatives and amounts contained herein. (Copy filed with the permanent minutes and marked Attachment J.)

Mr. Ridenour explained the budget situation. He explained that the calculation of the \$5.2 billion total General Fund shortfall is over a three-year period. As directed by the Governor, plans for 7, 11, and 15 percent reductions are being prepared and will be submitted to the Secretary of Education on September 20. Sometime thereafter, targets will be set for each institution. The President, Provost and Executive Vice President & Chief Operating Officer will then work together to address the overall priorities of the institution and will work this through the vice presidents and deans following the same internal process used previously. Meetings will be held with the University Advisory Council on Strategic Budgeting and Planning (made up of faculty, staff, undergraduate students and graduate students) to keep them fully involved. This advisory group will give guidance and direction in terms of the nature of the budget decisions being made to incorporate input from the broader university community. A set of recommendations will be presented to the Board of Visitors in November. The number one commitment is to do everything possible to protect the integrity of instructional, research and service programs of institutions. Second, will continue to look at how we position Virginia Tech through the investment of new initiatives. It will be important to make decisions now that will not position us with a different set of benchmark institutions three years from now when revenues improve. Decisions must be made carefully to avoid Virginia Tech being re-aligned with a different set of

benchmark institutions which in turn would result in less favorable funding guidelines being applied to the university. Mr. Ridenour also explained that a new budget reporting policy has been implemented whereby all state agencies must prepare a monthly budget and higher education must prepare a quarterly budget. Deans, vice presidents, and vice provosts will be called on to assist in this process. Once the targets are known, a new biennial budget will be established.

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As part of the Finance and Audit Committee report, the following resolution was moved by Mr. Lutz, seconded by Mr. Thompson, and was approved unanimously:

**Resolution for Approval of Year-to-Date Financial Performance Report
(July 1, 2001 – June 30, 2002)**

That the report of income and expenditures for the University Division and the Cooperative Extension/Agriculture Experiment Station Division for the period of July 1, 2001 through June 30, 2002 and the Capital Outlay report be accepted. (Copy filed with the permanent minutes and marked Attachment K.)

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As part of the Finance and Audit Committee report and in collaboration with the Academic Affairs Committee, the following resolution was moved by Mr. Johnson, seconded by Mr. Lutz, and was approved unanimously:

**Establishment of the Virginia Tech-Wake Forest University School of
Biomedical Engineering and Sciences (SBES)**

That the resolution authorizing the establishment of the Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences be approved. (Copy filed with the permanent minutes and marked Attachment L.)

It was noted that this is a rolling agreement, which will be re-evaluated every five years.

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As part of the Finance and Audit Committee report and in collaboration with the Buildings and Grounds Committee, Mr. Latham and Mr. Lutz gave a status report on the west side stadium expansion project. The following recommendation was moved by Mr. Latham, seconded by Mr. Lutz, and was approved unanimously.

West Side Stadium Expansion Project

That the Board authorize the university to proceed with the original concept for the West Side Stadium Expansion project at a cost of \$47.8 million, once the university administration has confirmed the reasonableness of the fund-raising target in accordance with the cash flow requirements of the financing plan. (Copy filed with the permanent minutes and marked Attachment M.)

REPORT OF THE STUDENT AFFAIRS COMMITTEE

Mr. Rocovich called on Mr. Petera for a report of the Student Affairs Committee. No action items. (Copy attached for permanent files and marked Attachment N.)

PRESIDENT'S REPORT ITEMS FOR BOARD APPROVAL AND INFORMATION

Mr. Rocovich called on President Steger for his report.

President Steger presented four **resolutions of appreciation recognizing Mr. Gary P. Clisham, Mr. Donald W. Huffman, Mr. Michael G. Miller, Mr. James E. Turner Jr.** for their service as a members of the Board of Visitors. Approval of the resolutions was moved by Mr. Johnson, seconded by Mr. Latham and approved unanimously. (Copy attached for permanent files and marked Attachment O.)

President Steger asked for the following Constituency Representatives' reports:

Mr. Brian Montgomery, Undergraduate Student Representative to the Board of Visitors. Mr. Montgomery introduced himself to the Board members. He is a senior majoring in industrial and systems engineering with a minor in business. His home is in Winchester, Virginia. His involvement on campus includes the residential leadership community, Habitat for Humanity, and German Club. Last year he served as President of the Student Government Association (SGA) and was involved with The Big Event – the largest service activity on campus - Relay for Life sponsored by SGA & the American Cancer Society, and Hokies United. This year, he is serving as chair of the Commission on Student Affairs and university relations' director for SGA. He has been selected as a candidate for Homecoming Court for 2002. This past summer was an intern at General Electric Aircraft Engines in Cincinnati, Ohio, where he has applied for one of their training programs for next year. Future plans include attending Business School and getting an MBA. Many student life plans include: 1) Annual Celebration of Diversity on September 11; 2) Dean of Students Office and other charter student organizations will sponsor "Journey to a Hate Free Millennium" on September 23. 3) SGA will hold one of the largest voter registration drives this fall. Among the student concerns he will address are: 1) the allocation of student exercise space and 2) priority given for the undergraduate honor system. He is committed to maintaining clear two-way communication with as diverse and broad a spectrum of students as possible and will engage in dialogue concerning the challenges, opportunities, and decisions that the university and the Board must make.

Mr. Christian Rieser, Graduate Student Representative to the Board of Visitors. Mr. Rieser is a PhD student in electrical engineering studying wireless communications under the Center for Wireless Telecommunications. His research is in the area of cognitive radio models for adaptive wireless systems for bringing intelligence to wireless systems for things like disaster response and commercial applications in the upcoming mobile world. He is sponsored by a company called Inter Digital of Pennsylvania and worked there this past summer. He completed his masters degree at Virginia Tech in broadband wireless disaster response and completed his bachelors in the electrical engineering university honors program at the University of Maryland in College Park. He was a member of the singing group called Juxtaposition. Through his position on the Board, he hopes to be a facilitator, communicator and conduit of student concerns. Current concerns include: 1) health care, specifically customer service, and the cost of benefits to graduate students – will work with the graduate dean, president's office and others in administration to address these issues. 2) NOVA infrastructure for graduate students. 3) Interest by graduate students on how they can contribute to the Top 30 Initiative. On behalf of the Graduate Student Assembly (GSA), he thanked the Board for an upcoming increase in the subsidy in the health care for graduate students. Graduate students would like to be included on the search committee for the next provider and consideration be made for NOVA students. A GSA forum will be conducted led by Melinda Palmeroy. He plans to stay involved with the GSA, other graduate associations, and the Commission on Student Affairs. He will also work with the extended locations in NOVA and the international community in regard to their concerns.

Dr. Edd Sewell, President, Faculty Senate. Dr. Sewell began his comments with a quote from Charles Dickens' Tale of Two Cities: "It was the best of times, it was the worst of times." In "the best of times" we have excellent students, faculty, staff, administrators, alumni support, athletics program and Board of Visitors who have been very supportive of the university. Unfortunately, "it was the worst of times" may seem appropriate as this is a most critical year as we strive to be a top 30 university. Faculty morale is at the lowest point in almost 30 years. Faculty on the whole are excited about the prospect of becoming a top 30-research university. We must work diligently with high standards in sight to keep from falling behind peer institutions. Although not all faculty agree, Tech's restructuring under the leadership of the Provost is an exciting step forward. The arrival of a new Graduate Dean brings prospects of some major changes in the graduate programs and the faculty look forward with great expectations to those changes. It is hard to be positive when offered a mere penitence of a salary bonus after several years of no salary increase and no significant increase in operating budgets even though we have more students in the university. Almost everything at Virginia Tech has grown except salaries. We are losing faculty colleagues to other universities as they find moving is the only way to raise their salary. High on our list to bolster faculty and staff morale would be some financial break to those who have children attending Virginia Tech. Our first duty as faculty is to the students, and the faculty has worked hard to see that budget cuts do not adversely affect the quality education provided at Virginia Tech. Security, both physical and that associated with the use of computers and telecommunications, is also a concern of both faculty and staff. There are unanswered questions of safety, privacy, confidentiality, and academic freedom. An open, inclusive and diverse campus environment is a must if we are to succeed as a top 30 university. The faculty has asked that he share with the Board that the action by this Board in June has a chilling affect on the faculty on this campus. There are many issues to be resolved and a strong desire by the faculty to work together with all members of the academic community to find solutions. In regard to the budget it is felt that the fat was trimmed in the early 1990s, we have been asked to remove pieces of muscle, and with this next budget we may be asked to suck marrow from the bones from the university. This year can be a beginning to look toward "the best of times" or it can become our epitaph "it was the worst of times." We all want the very best of times for Virginia Tech and the faculty will work toward that goal.

President Steger publicly commended Mr. Ridenour, Dr. McNamee, the deans, vice presidents, vice provosts, and department heads for the very skillful, thoughtful and professional way they have handled the budget situation. Notes of concern and appreciation from the faculty have been received. The Board of Visitors and the faculty and staff must work together. We are possibly facing \$20 or \$30 million in budget cuts. We will be faced with some very difficult decisions. Decisions will be made in ways that will preserve the academic enterprise and we are fully prepared to make some very difficult decisions. It will be important that the Board and the university community be together. A 15% cut is equal to \$32 million. To put that in perspective, the operating budget of the entire College of Engineering at Virginia Tech is \$34 million. Although there is a possibility of closing departments, this will not be the solution to the problem. If there is a decision to close departments, it will be

permanent because a department cannot simply be re-opened in a few years. All choices will be looked at with great care. Faculty, staff and students are dedicated to doing this in a careful and thoughtful way. We are most grateful for the support of the Board in past efforts, and the Board's support and help will be crucial in the future.

Motion to begin Closed Session

Mr. Johnson moved that the Board convene in a closed meeting, pursuant to § 2.2-3711, Code of Virginia, as amended, for the purposes of discussing:

1. Appointment of faculty to Emeritus status, the consideration of individual salaries of faculty, consideration of Endowed Professors, approval of the conflict of interest report, review of departments where specific individuals' performance will be discussed, and consideration of personnel changes including appointments, resignations, and salary adjustments of specific employees.
2. The status of current litigation and briefing on actual or probable litigation.
3. Consideration of special awards.

all pursuant to the following subparts of 2.2-3711 (A), Code of Virginia, as amended, .1, .7, and .10.

The motion was seconded by Mr. Lutz and passed unanimously.

Motion to Return to Open Session

Following the Closed Session, members of the press, students, and the public were invited to return to the meeting. Mr. Rocovich called the meeting to order and asked Mr. Johnson to make the motion to return to open session.

Mr. Johnson made the following motion:

WHEREAS, the Board of Visitors of Virginia Polytechnic Institute and State University has convened a closed meeting on this date pursuant to an affirmative recorded vote and in accordance with the provisions of The Virginia Freedom of Information Act; and

WHEREAS, Section 2.2-3712 of the Code of Virginia requires a certification by the Board of Visitors that such closed meeting was conducted in conformity with Virginia law;

NOW, THEREFORE, BE IT RESOLVED that the Board of Visitors of Virginia Polytechnic Institute and State University hereby certifies that, to the best of each member's knowledge, (i) only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the closed meeting to which this certification resolution applies, and (ii) only such public business matters as were identified in the motion convening the closed meeting were heard, discussed or considered by the Board of Visitors.

The motion was seconded by Mr. Lutz and passed unanimously.

On recommendation of Mr. Rocovich, and after motion by Mr. Johnson and second by Mr. Lutz, unanimous approval was given to the resolutions for approval of **Emeritus Status** (61), as considered in Closed Session. (Note: Resolutions in which the word "and" appeared inappropriately at the end of a "whereas" clause has been corrected. (Copies attached for the permanent file and marked Attachment P.)

On recommendation of Mr. Rocovich, and after motion by Mr. Johnson and second by Mr. Thompson, unanimous approval was given to the resolutions for approval of **Endowed Professorships** (2), as considered in Closed Session. (Copy attached for the permanent file and marked Attachment Q.)

On recommendation of Mr. Rocovich, and after motion by Mr. Johnson and second by Mr. Thompson, unanimous approval was given to the resolutions for approval to **Name University Facilities** (3), as considered in Closed Session. (Copies attached for the permanent file and marked Attachment R.)

On recommendation of Mr. Rocovich, and after motion by Mr. Latham and second by Mr. Lutz, unanimous approval was given to the **Resolution for the Ratification of the Personnel Changes Report** as considered in Closed Session. (Copy attached for the permanent file and marked Attachment S.)

On recommendation of Mr. Rocovich, and after motion by Mr. Lutz and seconded by Mr. Thompson (Mr. Johnson abstained from voting), approval was given to the **Research and Development Disclosure Report** as considered in Closed Session. (Copy attached for the permanent file and marked Attachment T.)

On recommendation of Mr. Rocovich, and after motion by Mr. Lutz and second by Mr. Johnson, unanimous approval was given to the resolution regarding the **Clifton Garvin Fellowship Awards** as considered in Closed Session. (Copy attached for the permanent file and marked Attachment U.)

On recommendation of Mr. Rocovich, and after motion by Mr. Lutz and second by Mr. Thompson, unanimous approval was given to the resolution regarding the **2002 Men's Golf Championship Bonus Recommendation** as considered in Closed Session. (Copy attached for the permanent file and marked Attachment V.)

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On recommendation of Mr. Rocovich, and after motion by Mr. Lutz and second by Mr. Thompson, unanimous approval was given to the resolution regarding the **Bonus Program** as considered in Closed Session. (Copy attached for the permanent file and marked Attachment W.)

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**AUDIT COMMITTEE REPORT
ON FRAUD, WASTE, & ABUSE
CLOSED SESSION ITEM**

Heard **Audit Report** relative to personnel issues. **No Action Required.**

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**LITIGATION REPORT
CLOSED SESSION ITEM**


Heard litigation report. No Board Action Required

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Dates for the next meeting are November 10-11.

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Mr. Latham moved that the meeting be adjourned. The motion was seconded by Mr. Johnson and was approved unanimously. The meeting adjourned at 3:45 p.m.


John G. Rocovich, Rector


Kim O'Rourke, Secretary

Minutes of the Academic Affairs Committee
August 26, 2002

Present: Donald Johnson, Ben Davenport, Beverly Sgro, and Christian Rieser from the Board of Visitors; and Mark McNamee, David Ford, Patricia Hyer, Dixon Hanna, Joseph Merola, Ron Daniel, Rene Armstrong, and Denise Collins from the Office of the Provost. Other guests included: Dave Dillard, Elaine Scott, Kay Heidbreder, Diane Zahm, Sam Easterling, Ben Dixon, Karen DePauw, James Bohland, Larry Hincker, and Kevin Miller.

OPEN SESSION:

Minutes of the June 3, 2002 meeting of the Academic Affairs Committee were approved with no changes.

Dave Dillard presented two resolutions recognizing the contributions of the Office of Naval Research and the Adhesive and Sealant Council in the establishment of the Center for Adhesive and Sealant Science, which is celebrating its 20th anniversary this fall. The Center is one of the best examples of an academic/industry/government partnership in the nation. A motion was made and seconded to approve both resolutions. The resolutions were approved.

A resolution to approve the establishment of the Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences (BMES) was introduced, along with a draft collaboration agreement and attachments describing the proposed School structure and new resource requirements. Elaine Scott gave a brief overview of the proposed School, and Kay Heidbreder explained the draft agreement and other attachments. A motion to approve the establishment of the School was made and seconded. The motion was approved. Committee members authorized university officials to finalize the collaboration agreement with Wake Forest, making minor changes to the language of the agreement as necessary. The resolution was also to be considered and approved by the Finance and Audit Committee.

The committee received a report of the review of the Virginia Water Resources Research Center, which had been conducted in accordance with state and university guidelines for review of state-funded research centers. The review committee found that the Center conducted a wide range of activities within its mission, even given its limited funding, and recommended continuation of the center. A motion was made and seconded to approve the resolution accepting the report and recommending continuation of the Center to the State Council for Higher Education. The resolution was approved.

Provost McNamee made a presentation to the committee concerning faculty recruitment, including an overview of the current faculty and recent hires, expectations for new faculty appointments, challenges the institution faces in hiring and retaining talented faculty members, and both current and proposed hiring strategies. About 45% of the current instructional faculty members have obtained the rank of full professor; one third are at the associate professor rank, and 20% are at the entry rank of assistant professor. The number and proportion of women on the instructional faculty has increased slowly to 21.5%; 11% of tenured and tenure-track faculty members are minority. The proportion of women on the faculty at Virginia Tech is below the mean of our benchmark peers and institutions in the top 30 research universities. The low proportion of minority faculty members puts Virginia Tech below all 24 peer institutions and all top-30 research universities. There are many challenges to successful recruitment of highly talented faculty members from diverse backgrounds. Budget related issues top the list,

affecting our ability to provide competitive compensation and start-up packages, to hire more experienced faculty, and simply to be able to replace large numbers of retiring faculty. Other issues must be addressed as well, including appropriate mentoring and support for junior faculty, the demanding nature of faculty careers which lacks appeal for many talented Ph.D.s, and the rural location of the main campus. Several strategies are being reviewed to increase their effectiveness in recruiting excellence. The regular search process is being revised to encourage a more aggressive approach to recruitment; some recruitment will be done outside the open search process as we try to identify and recruit “targets of opportunity;” cluster hires will be pursued to create complementary teams of interdisciplinary scholars and teachers in areas of particular need and importance; and pipeline programs will continue to receive investment to improve our chances of a success hire. Ben Dixon raised a concern about the prospects for our pipeline programs given the uncertain legal climate and recent guidance issued by the state Attorney General’s office calling into question race-conscious programs designed to improve the representation of minorities.

James Bohland was introduced as the new Executive Director, responsible for coordinating Northern Virginia programs in all mission areas. Bohland outlined several goals for the next several years: increasing research productivity, improving coordination across locations, eliminating unnecessary duplication and efficiencies, establishing a viable business plan for programming in the region, expanding research collaborations in the region, and leveraging assets in NOVA to core missions of the main campus. Virginia Tech’s intended strategies help leverage a number of Governor Warner’s announced priorities. However, there are a variety of internal and external barriers to accomplishing goals we have set, including competition from other institutions, financing for research initiatives, and a provincial view of Virginia Tech by those in and outside the institution.

Provost McNamee will address in more detail the academic agenda at the next meeting. At that time, he will address implementation of restructuring plans, launching of several research initiatives including the Virginia Tech Institute for Critical Technologies, and the university’s plans for meeting further budget reductions.

CLOSED SESSION:

Ben Davenport moved that the committee convene in Executive Session. The motion was seconded and approved. Issues included approval of recommendations for conferral of emeritus status, appointment to endowed professorships, and ratification of the research and development disclosure report and faculty personnel changes reports. The recommendations were approved. However, Mr. Johnson recused himself from consideration of the ratification of the research and development disclosure report because of a potential conflict. The committee then formally closed and certified the Executive Session.

Upon motion duly made, seconded, and approved, the meeting of the Academic Affairs Committee was adjourned.

**RESOLUTION RECOGNIZING THE CONTRIBUTION OF THE OFFICE OF NAVAL
RESEARCH TO THE CENTER FOR ADHESIVE & SEALANT SCIENCE**

WHEREAS, the field of adhesion science has grown significantly over the past quarter of a century, and continues to be a major contributor to the economy, technical strength, security, and defense of the United States; and

WHEREAS, the Office of Naval Research (ONR), through the visionary inspiration, guidance, and perseverance of Dr. Leighton H. Peebles, Jr., foresaw a crucial need for improved academic training, coordinated research, and the exchange of knowledge in adhesion science and technology; and

WHEREAS, in 1982 the ONR selected Virginia Tech to receive \$1.2 million in funding over a five-year period to support the work of four faculty members who formed the nucleus of the Center for Adhesion Science (as it was first called); and

WHEREAS, this vision and initial investment by ONR led to the development of a major research and education program at Virginia Tech that has attracted research funding and center sponsorship on the order of \$4 million per year; and

WHEREAS, during the 20-year history of the Center for Adhesive & Sealant Science, more than 550 students have participated in center programs through activities including coursework, research funding, attendance at national conferences, research discussion group meetings, seminars, and interactions with adhesive and sealant companies; and

WHEREAS, fundamental and applied research associated with the center has resulted in more than 2,750 publications, 2,850 presentations, 1,720 research projects, and 45 patents; and

WHEREAS, today the Center for Adhesive & Sealant Science stands nationally as one of the best examples of academic/industry/government partnerships in education and research;

THEREFORE, be it resolved that the Board of Visitors recognizes and commends the Office of Naval Research for having the vision and for providing the initial funding needed to create an interdisciplinary program of research and education in adhesion science at Virginia Tech, which has had such an important impact on the field over its 20-year history.

RECOMMENDATION:

That the above resolution be approved.

**RESOLUTION RECOGNIZING THE ADHESIVE AND SEALANT COUNCIL, INC., AND
THE ADHESIVE AND SEALANT COUNCIL EDUCATION FOUNDATION**

WHEREAS, the field of adhesion science has grown significantly over the past quarter of a century, and continues to be a major contributor to the economy, technical strength, security, and defense of the United States; and

WHEREAS, the establishment of the Center for Adhesion Science (as it was first called) at Virginia Tech was made possible in 1982 through a five-year grant from the Office of Naval Research (ONR) with the understanding that the center would need to secure subsequent funding from other sources; and

WHEREAS, in 1985, the Adhesive and Sealant Council, Inc. (ASC), a trade organization representing more than 180 companies, selected the Center for Adhesion Science to participate in an ASC Pilot Education Program, providing \$20,000 annually for three years to support graduate and undergraduate students working on adhesive and sealant-related research projects; and

WHEREAS, in 1987 ASC selected the Center for Adhesion Science at Virginia Tech to be the sole recipient of income from a major endowment created to support a university research facility through the ASC Education Foundation; and

WHEREAS, in 1989 the ASC Education Foundation established the Adhesive and Sealant Council Endowed Professorship to encourage outstanding faculty scholars in their work at the center; and

WHEREAS, during the 20-year history of the Center for Adhesive & Sealant Science, more than 550 students, many of them funded by ASC contributions, participated in center programs through activities including coursework, research funding, attendance at national conferences, research discussion group meetings, seminars, and interactions with adhesive and sealant companies; and

WHEREAS, fundamental and applied research associated with the center has resulted in more than 2,750 publications, 2,850 presentations, 1,720 research projects, and 45 patents; and

WHEREAS, today the Center for Adhesive & Sealant Science stands nationally as one of the best examples of academic/industry/government partnerships in education and research;

THEREFORE, be it resolved that the Board of Visitors recognizes and commends the Adhesive and Sealant Council, Inc., and the Adhesive and Sealant Council Education Foundation for providing generous funding to the Center for Adhesive & Sealant Science student programs and activities, and for establishing an endowed professorship to encourage outstanding faculty scholars in the adhesive and sealant science.

RECOMMENDATION:

That the above resolution be approved.

REVIEW OF RESEARCH AND PUBLIC SERVICE CENTERS

WHEREAS, as part of the Appropriations Act, the General Assembly directed the State Council for Higher Education (SCHEV) to identify special purpose research centers receiving general fund support, evaluate their effectiveness and productivity, and make recommendations on their continued funding; and

WHEREAS, the Commission on Research approved general procedures for the review of all research centers; and

WHEREAS, the charge to the review committee for the Virginia Water Resources Research Center (Water Center) was to assess the accomplishments and performance of the center, measure those against the mission of the center, recommend continuation or termination of the center, and recommend whether the director should be reappointed; and

WHEREAS, the review committee for the Water Center, composed of faculty from associated departments, the dean of the College of Natural Resources, a representative from the Research Division, and a member from the Commission on Research, conducted a thorough review in accordance with their charge and policy 13,005; and

WHEREAS, the investigation found that the center has been successful in conducting a variety of activities consistent with its mission, despite a funding level that is inadequate to support the full scope of its mandated activities, and further that the review committee recommends continuation of the Water Center and prompt replacement of the retiring director;

THEREFORE, be it resolved that, in accordance with the SCHEV directive for Board action on reviews for state-funded centers, the Board of Visitor accepts and approves the review for the Virginia Water Resources Research Center as summarized in the attached Executive Summary, and confirms the recommendation for continuation of the Center.

RECOMMENDATION:

That the review of the Virginia Water Resources Research Center be accepted and approved, and forwarded to the State Council for Higher Education with a recommendation for the continuance of the Center.

EVALUATION OF VIRGINIA WATER RESOURCES RESEARCH CENTER

Executive Summary

This document reports results of an evaluation of the Virginia Water Resources Research Center (Water Center) conducted by a committee of four Virginia Tech faculty, one Department Head, and one Dean, with participation by a member of the Commission on Research (COR). The evaluation was conducted to fulfill COR Policy 13,005. The committee interviewed the Center Director and Associate Director, and seven off-campus and five on-campus referees; reviewed information summarizing Center activities prepared by Center staff; reviewed financial information prepared by the Research Division; and drew upon the members' knowledge of Water Center activities.

The Virginia Water Resources Research Center was established at Virginia Tech in 1965 as a response to federal legislation. Section 23-135.7:8 of the Virginia Code establishes the Water Center as a state agency and defines a wide-ranging mission for the Center's activities. The Center has been successful in conducting a variety of activities in support of its mission, despite a level of base funding provided by the state, U.S. Geological Survey (USGS), and Virginia Tech which is insufficient to support the full scope of mandated activities. The ability by Center staff to secure grant funding for activities directly related to the VWRRC mission has contributed to the Center's success over the 5-year period covered by this evaluation. Perceptions of the Water Center and its activities are positive, both on- and off-campus. The Center Director has announced an intention to retire from the University. Because responsibility for water resource management at the state level is shared among three state agencies, there is an opportunity for the Water Center to make major contributions to development of state water-resource policy.

The evaluation committee is unanimous in supporting the following recommendations to the Commission on Research:

- The Water Center should be continued.
- The Water Center should remain as a University Center.
- The University should seek to fill the Director's position promptly.
- In seeking to fill the Director's position, the University should emphasize the following qualifications: breadth of vision, an ability to prioritize, an ability to coordinate and stimulate interaction, and an ability to address and integrate policy and technical issues.
- The University should provide the Water Center with assurance that some base level of funding will remain in place to allow Center leadership to focus on long-term goals, and should seek increased levels of state funding for the Water Center when that becomes possible.
- The University should provide the Water Center with improved on-campus facilities.

ATTACHMENT D

For Your Information Only

MINUTES OF THE BUILDINGS AND GROUNDS COMMITTEE OF THE BOARD OF VISITORS VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

August 26, 2002

Donaldson Brown Hotel and Conference Center

PRESENT:

Board of Visitors Members:

Mr. Mitchell O. Carr
Mr. William C. Latham
Mr. John R. Lawson, II
Mr. T. Rodman Layman

VPI & SU Staff:

Mr. F. Spencer Hall
Mr. Z. Scott Hurst
Ms. Terri T. Mitchell
Ms. Elizabeth D. Reed
Dr. Raymond D. Smoot, Jr.

Guest:

Ms. Sarah S. Newbill

OPEN SESSION

Opening Comments: Mr. Latham called the meeting to order at 8:00 a.m. The Committee then departed the Conference Center for a tour of the South End Zone Addition at Lane Stadium.

The Committee returned from the stadium tour at 9:00 a.m., at which time Mr. Carr moved the Committee enter into Closed Meeting to discuss the acquisition, use, or disposition of real estate; pursuant to §2.2-3711.3, Code of Virginia, as amended. The motion passed unanimously.

CLOSED MEETING

The Committee met in a Closed Meeting to discuss the acquisition, use, or disposition of real property. Mr. Carr moved the Committee be reconvened in Open Session at

10:00 a.m. The motion passed unanimously. The Committee members individually certified that, pursuant to §2.2-3712, the Closed Meeting was conducted in conformity with the Code of Virginia.

OPEN SESSION

1. **Report of Closed Meeting:** Mr. Latham reported that the Committee met in Closed Meeting to discuss acquisition, use, or disposition of real property. No actions were taken.
2. **Approval of Minutes:** The minutes of the June 3, 2002 meeting were unanimously approved.
3. **Capital Outlay Projects Status Report:** The Committee reviewed the status of all projects in design or under construction. These included 8 projects in the design phase, 2 out for bid, and 12 under construction. The Committee was briefed on the environmental analysis of the site adjoining Cowgill Hall, which has been proposed for the new Building Construction Lab. Committee members expressed reservations about the probable additional expense associated with building on this site and suggested that an alternate site be chosen. Mr. Lawson recommended the university consider combining smaller buildings in the future, which he felt could result in as much as 20% savings in construction costs.
4. **Report of Bids Received:** Mr. Hall reported on capital project bids received since the June 2002 meeting. The low bid for Renovation of Williams Hall was \$3,194,000, which was below the construction estimate of \$3,888,400. The low bid for the Recreation Fields Building was \$464,235, which was below the construction estimate of \$500,545.
5. **Resolution for Concurrent Police Jurisdiction:** At the university's request, the Town of Blacksburg has agreed to allow for concurrent jurisdiction on certain properties owned or leased by the university related corporations, pending further approval by the Circuit Court of Montgomery County. Concurrent jurisdiction will give police authority to the Virginia Tech Police Department at these locations. This resolution authorizes the Virginia Tech Police, upon approval by the Circuit Court, to exercise concurrent jurisdiction at these locations. The Committee recommended the resolution for full Board approval.
6. **Resolution for VDOT Easement:** The Virginia Department of Transportation has requested the university grant a twenty-foot (20') wide seven hundred and sixty-three and eighty-eight hundredths foot (763.88') long drainage easement, ten feet (10') on each side of the centerline across university property located north of Dogwood Circle in the Town of Blacksburg. The right-of-way is needed for storm water drainage. The Committee recommended the resolution for full Board approval.

Joint Meeting with Finance and Audit Committee

7. **Status Report on West Side Stadium Expansion Project:** The Finance and Audit Committee and the Buildings and Grounds Committee met jointly and

received a status report on the West Side Stadium Expansion Project. In June 2002, the university recommended a delay in finalizing a decision regarding the West Side Stadium Expansion Project, in order to provide an opportunity to analyze an alternative project as proposed by the Athletic Department, conduct a review of the costs, fund-raising opportunities, and financing requirements, for the West Side project and to provide a status report at the August 2002 meeting of the Board of Visitors.

The evaluation of the West Side proposals has been completed. The university evaluated the revised cost estimates, the financing assumptions and requirements, and the estimated fund-raising capabilities. Further, the proposals were also reviewed in relation to the total project amount authorized for the South End Zone project.

The university believes that this original concept for the West Side Stadium Expansion project and the project amount can be accomplished while still providing the university with a favorable debt capacity ratio and providing the university with the debt capacity needed to accomplish the funding requirements of the instructional and research facilities that have been authorized. This project will add 15 additional boxes and 2,620 club seats.

After thorough review including discussions with the Athletic Department and University Development, the joint Committees recommended that the Board authorize the university to proceed with the original concept for the West Side Stadium Expansion project at a cost of \$47.8 million, once the university administration has confirmed the reasonableness of the fund-raising target in accordance with the cash flow requirements of the financing plan.

The meeting of the Buildings and Grounds Committee adjourned at 11:30 a.m.

Respectfully submitted,

Raymond D. Smoot, Jr.

RESOLUTION FOR CONCURRENT POLICE JURISDICTION

At the university's request, the Town of Blacksburg has agreed to allow for concurrent jurisdiction on certain properties owned or leased by the university related corporations, pending further approval by the Circuit Court of Montgomery County. Concurrent jurisdiction will give police authority to the Virginia Tech Police Department at these locations. This resolution will authorize the Virginia Tech Police, upon approval by the Circuit Court, to exercise concurrent jurisdiction at these locations.

RESOLUTION FOR CONCURRENT POLICE JURISDICTION

WHEREAS, university related corporations own and lease property in the Town of Blacksburg; and,

WHEREAS, matters needing the attention of the Virginia Tech Police arise at certain properties; and,

WHEREAS, these properties currently include: Cranwell Center, Heth Property, Heavener Property, Hokie Stone Quarry, Stanger Street Property, Virginia Tech Services Warehouse, Virginia Tech Corporate Research Center, University Bookstore Volume II, University Phone-a-thon Office; and,

WHEREAS, concurrent jurisdiction in such instances is permissible in accordance with §23-234, Code of Virginia; and,

WHEREAS, the Town of Blacksburg has indicated its concurrence in the exercise of concurrent jurisdiction at these properties and has adopted appropriate resolutions to effect this end,

NOW, THEREFORE BE IT RESOLVED, that with approval by the Town of Blacksburg and the Circuit Court of Montgomery County, the Virginia Tech Police are authorized to exercise concurrent jurisdiction at these sites, and other properties that may be owned or leased by the university related corporations in the future.

RECOMMENDATION:

That the above resolution authorizing concurrent jurisdiction for the Virginia Tech Police on properties owned or leased by university related corporations be approved.

**RESOLUTION FOR VIRGINIA DEPARTMENT
OF TRANSPORTATION EASEMENT**

The Virginia Department of Transportation has requested the university grant a Twenty foot (20') wide Seven Hundred and Sixty-Three and Eighty-Eight Hundredths foot (763.88') long drainage easement, Ten feet (10') on each side of the centerline across university property located north of Dogwood Circle in the Town of Blacksburg.

This easement is needed for conveyance of stormwater drainage to a natural watercourse.

**RESOLUTION FOR VIRGINIA DEPARTMENT
OF TRANSPORTATION EASEMENT**

WHEREAS, Virginia Department of Transportation desires to acquire a Twenty foot (20') wide Seven Hundred and Sixty-Three and Eighty-Eight Hundredths foot (763.88') long drainage easement, Ten feet (10') on each side of the centerline, for the purposes of stormwater drainage across real property of Virginia Polytechnic Institute and State University; and,

WHEREAS, said easement would constitute an easement extending approximately 764 feet comprising approximately 0.351 acres of real property located in the Town of Blacksburg, Virginia, and,

WHEREAS, said easement is more particularly described on drawings prepared by Anderson & Associates dated June 6, 2002; and,

WHEREAS, said easement is described as follows: Beginning at a point in the corporation line of the Town of Blacksburg and Montgomery County, and in the common property line of the New Century Housing property (D.B. 1220 PG. 238) and the Virginia Polytechnic Institute & State University (VPI) property (Tax Map #256(A)1), said point being S86°56'30"W – 34.43' from the common corner of the Founders Forest, Inc. (Dogwood Circle) property (D.B. 452 PG. 559), and the said New Century Housing property, said point also being in the center of the southern end of a 20' drainage easement; thence leaving said corporate line, and extending into the said VPI property with the centerline of said easement, the following three (3) courses and distances: N11°16'24"E – 197.82'; N25°00'24"E – 153.49'; and N62°58'07"E – 412.57' to the end of said drainage easement as shown on Anderson & Associates, Inc. doc No. 20294-002 dated June 6, 2002, and containing 0.351 acres more or less; and,

WHEREAS, Virginia Polytechnic Institute and State University desires to grant said easement to Virginia Department of Transportation;

NOW, THEREFORE BE IT RESOLVED, that the Vice President for Administration and Treasurer be authorized to execute an easement to Virginia Department of Transportation in accordance with applicable procedures for said easement pursuant to the Code of Virginia, Section 23-4.1.

RECOMMENDATION:

That the above resolution authorizing the Vice President for Administration and Treasurer to execute the easement to Virginia Department of Transportation be approved.

**MINUTES OF THE FINANCE AND AUDIT COMMITTEE
OF THE BOARD OF VISITORS
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY**

August 26, 2002

FINANCE CLOSED SESSION

PRESENT:

BOARD OF VISITORS: Mr. Jake Lutz, Mr. Tom Robertson, Mr. John Rocovich, Mr. Philip Thompson

VPI&SU STAFF: Ms. Kay Heidbreder, Mr. Minnis Ridenour, Mr. John Rudd, Mr. Dwight Shelton, Dr. Lisa Wilkes

FINANCE CLOSED SESSION: The Committee met in Closed Session to review and ratify the quarterly personnel changes report, to review and ratify the Research and Development Disclosure Report, to review and approve the Garvin Fellowship Awards, and to review and approve a bonus for the 2002 Big East Golf Championship.

FINANCE OPEN SESSION

PRESENT:

BOARD OF VISITORS: Mr. Jake Lutz, Mr. Tom Robertson, Mr. John Rocovich, Mr. Philip Thompson

VPI&SU STAFF: Mr. John Cusimano, Mr. Martin Daniel, Ms. Kay Heidbreder, Mr. Ken Miller, Mr. Minnis Ridenour, Mr. John Rudd, Ms. Kathy Sanders, Mr. Brian Shabanowitz, Mr. Dwight Shelton, Dr. Lisa Wilkes

GUEST: Mr. Michael Sluss, Roanoke Times & World News

1. APPROVAL OF MINUTES OF THE JUNE 3, 2002 MEETING:

The Committee reviewed and approved the minutes of the June 3, 2002 meeting.

2. UPDATE ON UNIVERSITY'S 2002-03 OPERATING BUDGET:

The University has been advised of the additional shortfall in state revenues for fiscal year ending June 30, 2002 and that revenues are expected to be significantly below forecasted levels for 2002-03 and 2003-04. The university participated in discussions on August 19 and 20 and briefed the Committee at today's meeting on the status of state revenues and the impact on the University

budget. Mr. Ridenour provided an overview of the shortfall in revenues and the plans that are being developed for submission to the Secretary of Education and the state budget office in September 2002.

3. REPORT ON COMMONWEALTH MANAGEMENT STANDARDS:

The Committee received a report on the Commonwealth Management Standards. The university met the Management Standards for institutions of higher education in Virginia for 2001-02. Therefore, unexpended funds for Educational and General programs will be available for expenditure in 2002-03. Additionally, the university is provided flexibility in managing the maximum employment levels.

The Management Standards that Virginia Polytechnic Institute and State University Instructional and Virginia Cooperative and Agricultural Experiment Station Divisions met for 2001-02 were:

- An unqualified opinion from the Auditor of Public Accounts upon the audit of the annual financial statements;
- No significant audit deficiencies are attested to by the Auditor of Public Accounts;
- Compliance with financial reporting standards endorsed by the State Comptroller;
- Attainment of accounts receivable standards; and
- Attainment of accounts payable standard (prompt pay).

4. APPROVAL OF LOCAL FUND INVESTMENT POLICY:

The Committee reviewed for approval the local fund investment policy. Effective October 1, 2001, the Investment of Public Funds Act of the Code of Virginia was revised to include as authorized investments the following three short-term securities: negotiable CDs, foreign government debt obligations and taxable municipal obligations. Also, the ratings of Fitch Investor's Service and Duff and Phelps have been added to the Standard and Poors and Moody's ratings as credit qualifications for the investment of commercial paper. Because the Investment of Public Funds Act governs the university's Local Fund investment policy, the policy has been updated to reflect the changes in the Code.

The Committee approved the changes to the Investment Policy.

5. UPDATE ON UNIVERSITY DEBT CAPACITY:

The university's authorization to incur debt is outlined in Section 9(c) and Section 9(d) of Article X of the Constitution of Virginia. Section 9(c) debt is issued by the State on behalf of the university and is secured by the full faith and credit of the Commonwealth. Section 9(d) debt is issued by the university (or a conduit issuer)

and is secured by project revenues and/or the general revenue pledge of the university.

In 1992, the Secretary of Finance issued the Alternative Financing Guidelines that allowed universities whose annual debt service as a percent of current fund unrestricted expenditures and mandatory transfers is 7 percent or less to secure debt with a pledge of its general revenues. A second tier benchmark is 9 percent, which represents our capacity to issue senior debt secured by the project revenues. The university's preliminary debt ratio for FY 2002 is 3.72 percent.

An institution's bond rating is inversely related to its debt ratio, with low bond ratings assigned to those issuers with high debt ratios. As a general rule, rating agencies will use a debt ratio of 10% as a flag to review the issuer for a potential rating downgrade.

Current outstanding debt of the university (net of General Fund appropriated equipment trust debt) totals \$161.2 million. Total debt allowed at the 7 percent tier is \$436.6 million, which leaves additional debt capacity of \$275.4 million. Total debt at the 9 percent tier is \$561.3 million, which leaves additional debt capacity of \$400.1 million.

Current Board approved and Executive and Legislative authorization for non-general fund projects represent \$249.3 million. Current projects requiring 9(c), 9(d) and Foundation issued debt represent \$40.6 million out of the \$249.3 million and will result in a debt ratio of 4.3 percent. The university will carefully review each project in accordance with our debt capacity before coming back to the Board with project authorizations for debt. Each of the debt authorizations being requested at this meeting has been developed in accordance with our debt capacity.

The Committee adopted the report.

ITEMS PRESENTED TO THE FULL BOARD FOR APPROVAL

6. APPROVAL OF 9(c) FINANCING RESOLUTION FOR PARKING AUXILIARY:

The Parking Auxiliary Capital Outlay Project Number 114815, which consists of improvements to four existing parking lots, has been authorized to be financed pursuant to Article X, Section 9(c), of the Constitution of Virginia for up to \$1.05 million plus amounts needed to fund issuance costs, reserve funds, and other financing expenses.

The proposed parking lot improvements will provide an additional 410 parking spaces. Upgrades to all four lots will include new walkways, upgrades to the existing storm-water systems, new/improved lighting, curbing and pavement. The proposed resolution authorizes the issuance of 9(c) bonds through the Treasury Board for the Parking Auxiliary project.

The Committee recommended the 9(c) Financing Resolution to the full Board for approval, subject to the change in wording on page 3 (from “dining” to “parking”).

7. APPROVAL OF 9(d) FINANCING RESOLUTION FOR (a) BIOMEDICAL SCIENCES COMPLEX, (b) CAREER SERVICES FACILITY, AND (c) ELECTRIC SERVICE FACILITY:

Due to a potential conflict of interest with his firm, Mr. Lutz, the Chair of the Committee, recused himself from the meeting and asked that Mr. Thompson chair the meeting in his absence.

The following three projects have been authorized to be financed pursuant to Article X, Section 9 (d), of the Constitution of Virginia for up to \$29.5 million plus amounts needed to fund issuance costs, reserve funds, and other financing expenses: Biomedical Sciences Complex, Career Services Facility, and Electric Service Facility. To finance the projects, bonds will be issued through the Virginia College Building Authority (VCBA) and the university will enter into a loan agreement and promissory note with the Authority. The proposed resolution identifies the President, the Executive Vice President and Chief Operating Officer, and the Vice President for Administration and Treasurer as authorized officers to execute the loan agreement and promissory note with the Authority.

The Committee recommended the 9(d) Financing Resolution to the full Board for approval.

The Committee Chair, Mr. Lutz, rejoined the Committee meeting.

8. 2003-04 OPERATING AND CAPITAL BUDGETS:

The Committee received a report on the 2003-04 operating and capital budgets. In preparation for the 2003 General Assembly session, the university will develop budget amendments to submit to state administration for consideration in the Governor's budget. The Governor will submit the Executive Budget to the General Assembly on December 18, 2002.

The University has developed a list of potential operating and capital budget amendments which are consistent with the initiatives approved for submission in the University's 2002-04 biennial budget request. Several important state-wide issues are traditionally addressed centrally and are not included in Virginia Tech's list of amendments. The issues that are normally coordinated by the State Council of Higher Education for Virginia and the Department of Planning and Budget include the following: faculty and classified staff salaries, equipment trust fund, maintenance reserve, base budget adequacy, eminent scholars, and student financial assistance.

The operating submission will focus on securing General Fund support for the Virginia Bioinformatics Institute and full funding for the operation and maintenance of new facilities opening in 2003-04. At this time, no capital projects have been identified that meet the submission criteria. Should this change, the University will notify the Board of Visitors at the November meeting.

These budget amendments are expected to meet the criteria for submission to the Executive Budget; however, when budget amendment instructions are received from state officials in September, the budget submission will be modified, as necessary, to conform to that guidance. The University may choose to reduce this request before submission to the state. However, the amounts would not be increased without review with the Board of Visitors.

The proposed operating budget amendments for the University Division are: fund Virginia Bioinformatics Institute, adjust O&M funding for new facilities opening in 2003-04, and address technical adjustments. No amendments will be submitted for Cooperative Extension/Agriculture Experiment Stations Division.

The Committee recommended the 2003-04 Operating and Capital Budgets to the full Board for approval.

9. APPROVAL OF YEAR-TO-DATE FINANCIAL PERFORMANCE REPORT
(JULY 1, 2001-JUNE 30, 2002):

The Committee received the Year-to-Date Financial Performance Report for the year ended June 30, 2002. In response to the Commonwealth's request that agencies offset a portion of their 2002-03 budget reduction in 2001-02, the University Division elected to offset \$2.2 million and the Cooperative Extension/Agricultural Experiment Station Division elected to offset \$50,000, using one-time revenues and cost savings.

For the Educational and General Programs of the university, adjustments have been made for General Fund reductions, State Central Fund transfers, and excess tuition and fees. For the fiscal year, budget adjustments were made to reflect changes in General Fund revenues and reallocations of expenditure budgets in academic and administrative areas. Revenues and expenditures for Sponsored Programs significantly exceeded the 10 percent projected increase in sponsored activity levels. Thus, adjustments were made to appropriately reflect the activity in these programs.

For the fiscal year ended June 30, 2002, \$16.1 million had been expended for Educational and General capital projects, and \$32.7 million had been expended for Auxiliary Enterprises capital projects, against an annual budget of \$30.7 million and \$37.7 million respectively.

The Committee recommended the Year-to-Date Financial Performance Report to the full Board for approval.

10. RESOLUTION FOR VIRGINIA TECH-WAKE FOREST COLLABORATIVE
AGREEMENT:

The Board of Visitors has authorized and encouraged the university's collaborative partnerships with universities with a medical school in order to develop research and educational programs consistent with the funding agendas of the National Institutes of Health, thereby assisting the university's efforts to become a top 30 research university. The Committee reviewed for approval the budgeting and financing plans for the establishment of the Virginia Tech – Wake

Forest University School of Biomedical Engineering and Sciences (SBES). The initial focus of the SBES will be joint biomedical engineering graduate degree programs, leading ultimately to joint research and educational programs.

The Committee recommended the Virginia Tech – Wake Forest Collaborative Agreement to the full Board for approval, subject to the university's commitment that students be able to complete a degree in the event of termination of this agreement, assuming that all university requirements are met for timely degree programs.

JOINT MEETING WITH BUILDINGS AND GROUNDS COMMITTEE

PRESENT:

BOARD OF VISITORS: Mr. Mitch Carr, Mr. Bill Latham, Mr. John Lawson, Mr. Rod Layman, Mr. Jake Lutz, Mr. Tom Robertson, Mr. John Rocovich, Mr. Philip Thompson

VPI&SU STAFF: Mr. John Cusimano, Mr. Martin Daniel, Dr. Elizabeth Flanagan, Mr. Tom Gabbard, Mr. Spencer Hall, Ms. Kay Heidbreder, Mr. Larry Hincker, Mr. Scott Hurst, Mr. Ken Miller, Ms. Terri Mitchell, Ms. Sarah Newbill, Ms. Elizabeth Reed, Mr. Minnis Ridenour, Mr. John Rudd, Ms. Kathy Sanders, Mr. Brian Shabanowitz, Mr. Dwight Shelton, Dr. Ray Smoot, Dr. Charles Steger, Mr. Jim Weaver, Dr. Lisa Wilkes

GUESTS: Mr. Mark Berman, Roanoke Times & World News; Mr. Michael Sluss, Roanoke Times & World News

11. STATUS REPORT ON WEST SIDE STADIUM EXPANSION PROJECT:

The Finance and Audit Committee and the Buildings and Grounds Committee met jointly and received a status report on the West Side Stadium Expansion Project. In June 2002, the University recommended a delay in finalizing a decision regarding the West Side Stadium Expansion Project, in order to provide an opportunity to analyze an alternative for the West Side Stadium project and to conduct a review of the costs, fund-raising opportunities, and financing requirements related to various proposals for the West Side project and to provide a status report at the August 2002 meeting of the Board of Visitors.

The evaluation of the West Side proposals has been completed. The university evaluated the revised cost estimates, the financing assumptions and requirements, and the estimated fund-raising capabilities. Further, the proposals were also reviewed in relation to the total project amount authorized for the South End Zone project.

The university believes that this original concept for the West Side Stadium Expansion project and the project amount can be accomplished while still providing the university with a favorable debt capacity ratio and providing the university with the debt capacity needed to accomplish the funding requirements

of the instructional and research facilities that have been authorized. This project will add 15 additional boxes and 2,620 club seats.

After the thorough review and discussions with the Athletic Department and University Development, the joint Committees recommended that the Board authorize the university to proceed with the original concept for the West Side Stadium Expansion project at a cost of \$47.8 million, once the university administration has confirmed the reasonableness of the fund-raising target in accordance with the cash flow requirements of the financing plan.

There being no further business, the meeting adjourned at 12.00 noon.

Respectfully submitted,

Minnis E. Ridenour
Executive Vice President and
Chief Operating Officer

**MINUTES OF THE FINANCE AND AUDIT COMMITTEE
OF THE BOARD OF VISITORS
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY**

August 26, 2002

AUDIT CLOSED SESSION

PRESENT:

BOARD OF VISITORS: Mr. Jake Lutz, Mr. Tom Robertson, Mr. John Rocovich, Mr. Philip Thompson

VPI&SU STAFF: Ms. Kay Heidbreder, Mr. Minnis Ridenour, Mr. John Rudd, Mr. Dwight Shelton, Dr. Lisa Wilkes

AUDIT CLOSED SESSION: The Committee met in Closed Session with the Director of Internal Audit and Management Services to discuss audits of specific departments and units where individual employees were identified. The Committee also received an update on the outstanding fraud, waste, and abuse cases.

AUDIT AGENDA

PRESENT:

BOARD OF VISITORS: Mr. Jake Lutz, Mr. Tom Robertson, Mr. John Rocovich, Mr. Philip Thompson

VPI&SU STAFF: Mr. Mel Bowles, Mr. John Cusimano, Mr. Martin Daniel, Dr. David Ford, Ms. Kay Heidbreder, Mr. Ken Miller, Mr. Minnis Ridenour, Mr. John Rudd, Ms. Kathy Sanders, Mr. Brian Shabanowitz, Mr. Dwight Shelton, Ms. Julie Weidmann, Dr. Lisa Wilkes

GUEST: Mr. Michael Sluss, Roanoke Times & World News

1. APPROVAL OF MINUTES OF THE JUNE 3, 2002 MEETING:

The Committee reviewed and approved the minutes of the June 3, 2002 meeting.

2. STATUS REPORT OF RESPONSES TO INTERNAL AUDIT REPORTS PRESENTED AT THE JUNE 3, 2002 MEETING:

The Committee received a status report of responses to Internal Audit reports presented at the June 3, 2002 meeting. The Office of Budget and Financial Management has worked with departments having outstanding audit

recommendations, and many recommendations have been successfully expedited. As of July 19, 2002, of the original 45 comments with slipped implementation dates only 15 now remain. In addition, the number of total outstanding recommendations has decreased from 81 to 16. The Committee requested that in future reports the outstanding items be identified at the appropriate level of risk. Further, as this review of risks occurs, the Committee requested that the university assess the implementation dates provided in these reports and reassess the priority given to these comments. These decreases represent a 67 percent reduction in overdue comments and an 80 percent reduction in total outstanding recommendations. The Vice President for Budget and Financial Management is working closely with Internal Audit to assure those remaining recommendations are thoroughly and effectively addressed. These improvements are a reflection of the increased emphasis the BOV Audit Committee has placed on timely management of audit comments.

In its May 10, 2002 audit report of Information Technology Acquisition, Internal Audit noted three major areas of concern: software licensing, data security, and procurement. After having met with management of the units responsible for implementing the action plans, we can confirm that those improvements already implemented were completed on-time and that all others are on schedule to be completed by the original dates included in the action plans.

The Committee accepted the report.

3. REVIEW AND ACCEPTANCE OF UNIVERSITY'S SEMI-ANNUAL UPDATE OF RESPONSES TO ALL PREVIOUSLY ISSUED EXTERNAL AUDIT REPORTS:

The Committee received the university's semi-annual update of responses to the 2001 Auditor of Public Accounts' Management Letter. Since the report was issued, four comments have been fully addressed.

One comment remains in process: Ensure Departments Follow Financial Policies and Procedures. Corrective action for this comment will be completed by January, 2003. The Committee requested that the Executive Vice President and Chief Operating Officer work to ensure this comment is fully addressed and to develop and implement a certification program. The Executive Vice President and Chief Operating Officer will work with the University Provost and provide a report to the Committee at the November meeting.

The Committee accepted the report.

4. PRESENTATION, DISCUSSION, AND ACCEPTANCE OF INTERNAL AUDIT DEPARTMENT'S QUARTERLY REPORT AND ANNUAL STATUS REPORT FOR THE FISCAL YEAR ENDED JUNE 30, 2002:

The Committee reviewed the Internal Audit Department's status report for the quarter ended June 30, 2002. The Internal Audit Department continued to conduct full scope audits, periodic audits, and investigations related to fraud, waste, and abuse. Additionally, the department has focused on the professional development of the staff. The Committee also reviewed the Internal Audit

Department's annual status report for 2001-02. In the last fiscal year, eighteen planned or requested audits were completed. At the close of the fiscal year, one audit was in process and will be completed for presentation to the Committee at the November meeting. Internal Audit spent approximately 3.5 percent of audit resources investigating reported allegations of fraud, waste, and abuse as a result of few alleged reports filed with Internal Audit. The results of these reviews have been shared with the Audit Committee. Internal Audit also conducted periodic audit activities, and Management Services participated in several special projects during the year.

The Committee discussed the role of the University Internal Audit Department versus the role of the Virginia Tech Foundation Corporate Audit Department. The Committee requested that, for issues involving both university and foundation resources where both audit offices would be involved, the Committee be provided a quarterly report on the status of the audit issues to ensure complete follow-through has occurred.

The Committee accepted the report.

5. REVIEW AND ACCEPTANCE OF THE 2003-2005 AUDIT PLAN:

The Committee reviewed the 2003-2005 Audit Plan. The Internal Audit Department used the university's organizational structure within the chart of accounts to identify auditable entities to be considered for an audit in the 2003 fiscal year. In addition, executive management and departmental managers on occasion suggest activities that should be considered for an audit. The audit staff relied on the extensive risk assessment process completed in 2000 in order to rank each entity by its perceived level of risk based on a number of quantitative and qualitative factors. A three-year audit plan was developed based upon this information. Internal Audit will conduct another comprehensive risk analysis in early 2003 using an updated risk model and data. The audit department plans to conduct 14 audits in 2003, 17 audits in 2004, and 16 audits in 2005.

The Committee accepted the report.

6. DISCUSSION OF THE CURRENT STATUS OF THE JUNE 30, 2002 AUDIT OF THE UNIVERSITY'S FINANCIAL STATEMENTS:

The Committee received a report on the current status of the audit of the university's financial statements for 2001-02. This audit is conducted by the Commonwealth Auditor of Public Accounts. At this time there are no issues, and the audit should be ready for the November meeting of the Board of Visitors.

7. STATUS REPORT ON AUDITS IN-PROCESS AND REVIEW OF REPORTS ISSUED SINCE LAST MEETING:

The Committee received an update on the audits in-process. As of June 30, 2002, one audit was in-process: University Registrar.

The Committee also reviewed the following Internal Audit Reports:

A. University Development

The Committee received a report on the audit of University Development. The audit indicated that the overall risk exposure is high and the internal control system is effective. The audit recommendations include: strengthen supervisory review and administration of overtime hours and leave reporting to ensure compliance with university policies and procedures, strengthen security of funds, improve the wage reimbursement process, and restrict or monitor vendor access to the SmartCall database server. Management is working to implement improvements to address the recommendations.

The Committee accepted the report.

B. University Libraries

The Committee received a report on the audit of the University Libraries. The audit indicated that improvements are needed to achieve an adequate system of internal controls and to effectively manage the associated business risks. The specific recommendations include: strengthen controls over accessibility to critical data files, remove all terminated or otherwise unauthorized users from operating system environments, conduct an analysis of the current fee structure and ensure that fees charged provide an effective incentive for patrons to return loaned materials in a timely manner, ensure that appropriate level of privileges for system directories, files, and links are granted, and segregate the duties of the approval and implementation functions of production database and operating system changes. Management is working to implement improvements to address the recommendations.

The Committee accepted the report.

C. Northern Virginia Center

The Committee received a report on the audit of the Northern Virginia Center. The audit indicated that the overall risk exposure is medium and improvements are needed to achieve an adequate system of internal controls and effectively manage associated business risks. The audit recommendations include: develop a disaster recovery/business interruption contingency plan and an Emergency Response and Action Plan to address health and safety hazards; strengthen security controls of computer servers and workstations, ensure compliance with American Express Purchasing Card procedures; strengthen procedures for fixed assets and funds handling; and develop procedures to meet requirements for international students' accident and health insurance. Management is working to implement improvements to address the recommendations.

The Committee accepted the report.

D. Athletic Department Compliance

The Committee received a report on the audit of the Athletic Department Compliance. The audit indicated that management has designed and implemented controls that are often effective at reducing the department's exposure to many of the business risks, but improvements are needed to achieve a fully effective system of internal controls. The specific recommendations include: develop a review process to ensure that increases and decreases in aid have been accurately recorded; perform calculation checks to ensure that software being used is accurately calculating team scholarship limits; and provide institutional financial aid to student-athletes subsequent to the first day of classes that does not exceed the remaining fees. Management is working to implement improvements to address the recommendations.

The Committee accepted the report.

E. Financial Aid

The Committee received a report on the audit of the Office of Scholarships and Financial Aid. The audit indicated that the overall risk exposure is high and identified significant business risks for which management needs to design or consistently apply effective controls, without which concern was raised about past and possible future non-compliance with federal and state regulations in the financial aid processes. The system of internal controls is unreliable, and the Chief Operating Officer has taken steps in working with the University Provost and the Vice President for Budget and Financial Management to ensure that appropriate staffing is being assigned to this area to address the administrative systems and the operations of this office. Further, arrangements have been made to assign a full-time Internal Auditor to this area to review and give guidance to the steps that are being taken to implement the appropriate controls and operating procedures for the office. A full report will be provided to the Audit Committee at the November meeting. Management is working to address the recommendations and maintain more effective controls.

The Committee accepted the report.

There being no further business, the meeting adjourned at 12:00 noon.

Respectfully submitted,

John C. Rudd
Director, Internal Audit & Management Services

PARKING AUXILIARY 9(c) FINANCING

The Parking Auxiliary (Capital Outlay Project Number 114815) has been authorized to be financed pursuant to Article X, Section 9(c), of the Constitution of Virginia for up to \$1,049,000 plus amounts needed to fund issuance costs, reserve funds, and other financing expenses.

The proposed project consists of improvements to four existing parking lots that will provide an additional 410 parking spaces. Upgrades to all four lots will include new walkways, upgrades to the existing storm-water systems, new/improved lighting, curbing and pavement. The project will consist of the following four lots:

1. The Commuter B Lot will replace the existing bus lane with three parking bays. This improvement will provide an additional 113 parking spaces.
2. The Litton Reaves Parking Lot will be expanded on the northwest side (the grass area adjacent to the entrance from Duck Pond Drive), which will provide an additional 88 spaces.
3. The Stanger Lot and Caldwell Lot will be combined and expanded to the corner of Perry and Turner Street. This improvement will provide an additional 148 spaces.
4. The VT Parking Services Lot will expand and pave the existing gravel parking and grass lawn area. This improvement will provide an additional 61 spaces.

The proposed resolution authorizes the issuance of 9(c) bonds through the Treasury Board for the Parking Auxiliary project.

**RESOLUTION OF THE BOARD OF VISITORS OF
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY**

PARKING AUXILIARY 9(c) FINANCING

WHEREAS, there has been passed by the General Assembly of Virginia an act entitled "Commonwealth of Virginia Higher Educational Institutions Bond Act of 2002" (the "2002 Act");

WHEREAS, the 2002 Act may be repealed but the Project, as defined below, continues as an authorized project for bond financing through subsequent legislation (the 2002 Act and any such subsequent legislation, the "Act");

WHEREAS, pursuant to the Act, the Treasury Board of the Commonwealth of Virginia (the "Treasury Board") is authorized, by and with the consent of the Governor, to sell and issue bonds and/or bond anticipation notes of the Commonwealth of Virginia for the purpose of providing funds, with other available funds, for paying the cost of acquiring, constructing, renovating, enlarging, improving and equipping certain revenue-producing capital projects at certain institutions of higher learning of the Commonwealth and for paying issuance costs, reserve funds and other financing expenses (the "Financing Expenses"), all in accordance with the provisions of Section 9(c) of Article X of the Constitution of Virginia;

WHEREAS, such revenue-producing capital projects includes a Parking Auxiliary project, Capital Outlay Project Number 14815, (the "Project") for Virginia Polytechnic Institute and State University (the "Institution"); and

WHEREAS, the Treasury Board is proposing to sell and issue bonds and/or bond anticipation notes pursuant to the Act for such revenue-producing capital projects, in one or more series;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF VISITORS OF
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY:**

Section 1. The Board of Visitors of the Institution (the "Board") requests the Treasury Board to sell and issue bonds and/or bond anticipation notes ("BAN's") in an aggregate principal amount not to exceed \$1,049,000 to finance all or a portion of the costs of the Project plus Financing Expenses (individually, the "Project Bonds" or "Project Notes", collectively, the "Project Borrowing"). The Project Borrowing will be identified by amount by the State Treasurer upon issuance of any bonds or BAN's.

ATTACHMENT H

Section 2. The Board (a) covenants to fix, revise, charge and collect dining parking fees and other rates, fees and charges, for or in connection with the use, occupation and services of the Project and (b) pledges such rates, fees and charges remaining after payment of (i) the expenses of operating the Project and (ii) the expenses related to all other activities funded by the rates, fees and charges ("Net Revenues") to the payment of the principal of, premium, if any, and interest on the Project Borrowing. The Board further covenants that it will fix, revise, charge and collect such rates, fees and charges in such amounts so that Net Revenues will at all times be sufficient to pay, when due, the principal of, premium, if any, and interest on the Project Borrowing and on any other obligations secured by Net Revenues (such payments collectively the "Required Payments"). The Project Borrowing shall be secured on a parity with such other obligations so secured by Net Revenues (other than any obligations secured by a prior right in Net Revenues). Any Net Revenues pledged herein in excess of the Required Payments may be used by the Institution for any other lawful purpose.

Section 3. It is hereby found, determined and declared that, based upon responsible engineering and economic estimates and advice of appropriate officials of the Institution, the anticipated Net Revenues pledged herein will be sufficient to pay the Required Payments so long as the aggregate amount of net debt service on the Project Borrowing actually payable in any bond year does not exceed the amounts assumed in the Financial Feasibility Study.

Section 4. The Board covenants that the Institution will furnish the Treasury Board its general purpose financial statements, within 30 days of their issuance and receipt, audited by a firm of certified public accountants or the Auditor of Public Accounts which shall include a schedule of revenues and expenditures for auxiliary enterprise systems. If Net Revenues are insufficient to pay Required Payments during such period, the Institution shall provide evidence of a plan to generate Net Revenues sufficient to make Required Payments in the future.

Section 5. The Board covenants that so long as any of the Project Notes are outstanding, the Institution will pay to the State Treasurer, not less than 30 days before each interest payment date, an amount estimated by the State Treasurer to be due and payable on such date as interest on the Project Notes. The Board covenants that so long as any of the Project Bonds are outstanding, the Institution will pay to the State Treasurer, not less than 30 days before each interest or principal payment date, the amount certified by the State Treasurer to be due and payable on such date as principal of, premium, if any, and interest on the Project Bonds.

Section 6. The Board covenants that the Institution will pay from time to time its proportionate share of all expenses incurred in connection with the sale and issuance of any series of bonds that includes Project Bonds or Project Notes and all expenses

ATTACHMENT H

thereafter incurred in connection with the Bonds, including without limitation the expense of calculating any rebate to the United States of the earnings derived from the

investment of gross proceeds of the Bonds, all as certified by the State Treasurer to the Institution.

Section 7. The Board covenants that the Institution will not take or omit to take any action the taking or omission of which will cause the Bonds to be "arbitrage bonds" within the meaning of Section 148 of the Internal Revenue Code of 1986, as amended, including regulations issued pursuant thereto (the "Code"), or otherwise cause interest on the Bonds to be includable in the gross income of the owners thereof for federal income tax purposes under existing laws. Without limiting the generality of the foregoing, the Institution will pay from time to time its proportional share of any rebate to the United States of the earnings derived from the investment of the gross proceeds of the Bonds.

Section 8. The Board covenants that the Institution will proceed with due diligence to undertake and complete the Project and that the Institution will spend all of the available proceeds derived from the sale of the Project Borrowing for costs associated with the Project and appropriated for the Project by the General Assembly.

Section 9. The Board covenants that the Institution will not permit the proceeds of the Project Borrowing to be used in any manner that would result in (a) 5% or more of such proceeds being used in a trade or business carried on by any person other than a governmental unit, as provided in Section 141(b) of the Code, (b) 5% or more of such proceeds being used with respect to any output facility within the meaning of Section 141(b)(4) of the Code, or (c) 5% or more of such proceeds being used directly or indirectly to make or finance loans to any persons other than a governmental unit, as provided in Section 141(c) of the Code. The Institution need not comply with such covenants if the Institution obtains the written approval of the State Treasurer and an opinion of a nationally recognized bond counsel acceptable to the Treasury Board that such covenants need not be complied with to prevent the interest on the Bonds from being includable in the gross income of the owners thereof for federal income tax purposes.

Section 10. The Board covenants that for so long as any of the Bonds are outstanding the Institution will not enter into any operating lease, management contract or similar agreement with any person or entity, other than a state or local governmental unit, for all or any portion of the Project without first obtaining the written approval of the State Treasurer and an opinion of nationally recognized bond counsel acceptable to the Treasury Board that entering into such agreement will not cause the interest on the Bonds to be included in the gross income of the owners thereof for federal income tax purposes.

ATTACHMENT H

Section 11. The Board covenants that for so long as any of the Bonds are outstanding, the Institution will not sell or dispose of any or any part of the Project without first obtaining the written approval of the State Treasurer and an opinion of a

nationally recognized bond counsel acceptable to the Treasury Board that such sale or disposition will not cause interest on the Bonds to be included in the gross income of the owners thereof for federal income tax purposes.

Section 12. The Officers of the Institution are authorized and directed to execute and deliver all certificates and instruments and to take all such further action as may be considered necessary or desirable in connection with the sale and issuance of the Bonds.

Section 13. The Board acknowledges that the Treasury Board will rely on the representations and covenants set forth herein in issuing the Bonds, that such covenants are critical to the security for the Bonds and the exclusion of the interest on the Bonds from the gross income of the owners thereof for federal income tax purposes, that the Board will not repeal, revoke, rescind or amend any of such covenants without first obtaining the written approval of the Treasury Board, and that such covenants will be binding upon the Board so long as any of the Bonds are outstanding.

Section 14. This resolution shall take effect immediately.

RECOMMENDATION:

That the above resolution authorizing the issuance of 9(c) bonds for the Parking Auxiliary project be approved.

August 26, 2002

VCBA 9(d) DEBT FINANCING

The following three projects have been authorized to be financed pursuant to Article X, Section 9 (d), of the Constitution of Virginia for up to \$29,472,000 plus amounts needed to fund issuance costs, reserve funds, and other financing expenses:

Biomedical Sciences Complex

\$21,864,000

The 58,285 gross square foot complex located on the corner of Washington Street and Duck Pond Drive will house state-of-the-art, general and computational laboratories for interdisciplinary research, appropriate support spaces, research offices, and accommodations of specialized, multi-user equipment. This new complex will support research in the Life Sciences areas including biotechnology, bioinformatics, microbiology, environmental science, health/medical technologies, drug development, and functional genomics in a multidisciplinary setting including chemistry, biology, physics, mathematics, computer science, and engineering.

Career Services Facility

\$4,608,000

The new space will accommodate the needs of students and recruiters and improve the university's ability to meet the employment needs of the student and prospective employer. New space of 21,370 gross square feet will include staff offices, a reception area, waiting areas, recruitment rooms, information technology laboratories, work area rooms, restroom facilities, and conference areas.

Electric Service Facility

\$3,000,000

The proposed project consists of a one-story structure of approximately 26,000 gross square feet that will support the administrative and service functions of the Virginia Tech Electric Service Auxiliary. The building will be located adjacent to the existing Library Storage Facility on the Country Club Road extension and provide administrative office space and a high-bay vehicle storage and repair area.

To finance the projects, bonds will be issued through the Virginia College Building Authority (VCBA) and the university will enter into a loan agreement and promissory note with the Authority.

The proposed resolution identifies the President, the Executive Vice President and Chief Operating Officer, and the Vice President for Administration and Treasurer as authorized officers to execute the loan agreement and promissory note with the Authority.

**RESOLUTION OF THE BOARD OF VISITORS OF
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY**

**BIOMEDICAL SCIENCES COMPLEX, CAREER SERVICES FACILITY AND
ELECTRIC SERVICE FACILITY 9(d) FINANCING**

WHEREAS, pursuant to Chapter 3.2, Title 23 of the Code of Virginia of 1950, as amended (the "Act"), the General Assembly of Virginia has authorized the Virginia College Building Authority (the "Authority") to develop a pooled bond program (the "Program") to purchase bonds and other debt instruments issued by public institutions of higher education in the Commonwealth of Virginia (the "Institutions") to finance or refinance the construction of projects of capital improvement specifically included in a bill passed by a majority of those elected to each house of the General Assembly of Virginia (the "Projects");

WHEREAS, the Authority intends to issue from time to time under the Program its Educational Facilities Revenue Bonds (Public Higher Education Financing Program) (the "Bonds") to finance the purchase of bonds and other debt instruments issued by the Institutions to finance or refinance the Projects, all in the furtherance of the purposes of the Act and the Program;

WHEREAS, the Board of Visitors of Virginia Polytechnic Institute and State University (the "Board") adopted a resolution on March 18, 2002 (the "Prior Resolution") approving, subject to certain conditions, the issuance by Virginia Polytechnic Institute and State University (the "Institution") of its revenue bonds or notes to finance, together with other available funds, certain of the Institution's Projects, including, among others, the 2002A Project (as defined below), on a long-time basis through, among other methods, the Program, in an aggregate amount not to exceed \$50,204,000, plus such other amounts as provided for and described in the Prior Resolution, and the borrowing of money in anticipation of the issuance of such bonds or notes for the purposes of such bonds or notes;

WHEREAS, pursuant to the Prior Resolution, the Institution issued its Variable Rate Revenue Bond Anticipation Note, Series 2002 (the "BAN") on June 7, 2002, in the principal sum advanced thereunder not to exceed \$30,000,000, to provide interim financing for certain of the Institution's Projects, including, among others, the 2002A Project;

WHEREAS, if the Institution wishes to finance or refinance a Project through the Program, it will be necessary for the Institution to enter into a Loan Agreement (a "Loan Agreement") between the Authority and the Institution and to evidence the loan to be made by the Authority to the Institution pursuant to the Loan Agreement by issuing the Institution's promissory note (the "Note") pursuant to Section 23-19 of the Code of Virginia of 1950, as amended, and pursuant to the Loan Agreement, the Authority will agree to issue its Bonds and to use certain proceeds of

the Bonds to purchase the Note issued by the Institution and the Institution will agree to use the proceeds received from the Authority to finance or refinance the costs of the Project and to make payments under the Loan Agreement and the Note in sums sufficient to pay, together with certain administrative and arbitrage rebate payments, the principal of, premium, if any, and interest due on that portion of the Bonds issued to purchase the Note;

WHEREAS, in accordance with the Prior Resolution, the Institution now proposes to sell to the Authority its Note (the "2002A Note") to be issued under a Loan Agreement (the "2002A Loan Agreement") to finance or refinance from all or a portion of the proceeds of certain Bonds issued by the Authority in 2002 (the "2002A Bonds") all or a portion of the costs of construction and improvement of the following Projects (collectively, the "2002A Project"), including the redemption of any or all of the principal, and interest accrued thereon to the redemption date, of the BAN advanced for each such 2002A Project: the Career Services Facility, the Electric Service Facility and the Biomedical Sciences Complex - Phase I, all located on the Institution's Blacksburg, Virginia campus;

WHEREAS, it is the desire of the Board that the terms of, and applicable to, the 2002A Note comply with the Prior Resolution; and

WHEREAS, it is the desire of the Board to delegate to such Authorized Officers (as hereinafter defined) of the Institution the authority to approve, on behalf of the Board, the forms of the 2002A Loan Agreement and the 2002A Note and, similarly, to authorize such Authorized Officers of the Institution to execute, deliver and issue in the name of and on behalf of the Institution, the 2002A Loan Agreement, the 2002A Note and any and all documents necessary to effectuate the financing or refinancing of all or a portion of the costs of the 2002A Project through the Program with the Authority and to facilitate the purchase of the 2002A Note by the Authority;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF VISITORS OF VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY:

Section 1. Pursuant to Section 3 of the Prior Resolution, the Vice President for Administration and Treasurer of the Institution has examined the alternatives available to the Institution for financing the 2002A Project on a long-term basis and recommends to the Board to finance or refinance the 2002A Project through the Program, and the Board, having considered such recommendation, hereby determines to issue, in accordance with the Prior Resolution, the 2002A Note, which shall be dated, be in such an aggregate principal amount, mature, bear interest at such rates payable on such dates and be subject to redemption at such times and upon such terms, all to be determined as provided for herein.

Section 2. The 2002A Project is hereby designated a Project to be undertaken and financed or refinanced by the Authority and, accordingly, the President, the Executive Vice President and Chief Operating Officer and the Vice President for Administration and Treasurer of the Institution (the "Authorized Officers"), or any of

them, are each hereby delegated and invested with full power and authority, within the limitations prescribed in Section 2 of the Prior Resolution, to approve the forms of the 2002A Loan Agreement and 2002A Note, and any pledge to the payment of the 2002A Note of the Institution's total gross university sponsored overhead, unrestricted endowment income, tuition and fees, indirect cost recoveries, auxiliary enterprise revenues, general and nongeneral fund appropriations and other revenues not required by law or restricted by a gift instrument to be used for another purpose, any of which are not required by law or by binding contract entered into on or prior to the date of issuance of the 2002A Bonds to be devoted to some other purpose on a basis that is senior in priority to the 2002A Bonds, as may be provided in the 2002A Loan Agreement, and, in accordance with the terms of the Prior Resolution, the amount, if any, of the proceeds of the 2002A Note to be used to redeem any or all of the outstanding principal amount of the BAN, and interest accrued thereon to the redemption date, advanced for the 2002A Project and such approval is hereby authorized, subject to the provisions of Section 4 hereof.

Section 3. Subject to the provisions of Section 4 hereof, the Authorized Officers, or any of them, are each hereby delegated and invested with full power and authority to execute, deliver and issue, on behalf of the Board, (a) the 2002A Loan Agreement and the 2002A Note whose approval of such documents in accordance with Section 2 hereof shall be evidenced conclusively by the execution and delivery of the 2002A Loan Agreement and 2002A Note, respectively, and (b) any and all other documents, instruments or certificates as may be deemed necessary to consummate the financing or refinancing of all or a portion of the costs of the 2002A Project through the Program, the construction of the 2002A Project and the Institution's participation in the Program, and to further carry out the purposes and intent of this Resolution. The Authorized Officers are directed to take such steps and deliver such certificates prior to the delivery of the 2002A Note as may be required under existing obligations of the Institution.

Section 4. The authorizations given above as to the approval, execution, delivery and issuance of the 2002A Loan Agreement and the 2002A Note are subject to the following parameters: (a) that the principal amount of the 2002A Note plus the outstanding aggregate principal amount of any portion of the BAN related to any 2002A Project following the date of issue of the 2002A Note shall not be greater than \$29,472,000 representing the aggregate amount of each component of the 2002A Project (consisting of the following amounts: \$21,864,000 for the Biomedical Sciences Complex - Phase I, \$4,608,000 for the Career Services Facility and \$3,000,000 for the Electric Service Facility) authorized by the General Assembly of Virginia, plus amounts needed to fund issuance costs, reserve funds, and other financing expenses, (b) that the interest rate payable under the 2002A Note shall not exceed a "true" or "Canadian" interest cost more than 50 basis points higher than the interest rate for "AA" rated securities with comparable maturities, as reported by Delphis-Hanover, or another comparable service or index, on the date that the interest rates on the 2002A Note are determined, taking into account original issue discount or premium, if any, (c) that the weighted average maturity of the principal payments due under the 2002A Note shall not be in excess of 20 years, (d) that the last principal payment date under the 2002A

Note shall not extend beyond the period of the reasonably expected economic life of the 2002A Project, and in no event shall the 2002A Note mature more than 30 years from its date of issue, (e) that the financing of the 2002A Project and the terms and provisions of the 2002A Loan Agreement and the 2002A Note will comply with the Alternative Construction and Financing Guidelines issued by the Commonwealth's Secretary of Finance, and (f) that the actual interest rates, maturities, terms and dates of redemption, if any, and date of the 2002A Note shall be approved by an Authorized Officer, which approval will be evidenced by the execution of the 2002A Note.

Section 5. The Board acknowledges, on behalf of the Institution, that if the Institution fails to make any payments of debt service due under any Loan Agreement or Note, including the 2002A Loan Agreement and the 2002A Note, the Program authorizes the State Comptroller to charge against the appropriations available to the Institution all future payments of debt service on that Loan Agreement and Note when due and payable and to make such payments to the Authority or its designee, so as to ensure that no future default will occur on such Loan Agreement or Note.

Section 6. The Board agrees that if the Authority determines that the Institution is an "obligated person" under Rule 15c2-12 of the Securities and Exchange Commission with respect to any issue of Bonds, the Institution will enter into a continuing disclosure undertaking in form and substance satisfactory to the Authority and the Institution and will comply with the provisions and disclosure obligations contained therein.

Section 7. This resolution shall take effect immediately upon its adoption.

RECOMMENDATION:

That the above resolution allowing the authorized officers to enter into a loan agreement and promissory note with the VCBA to finance the three 9(d) projects, and to allow the authorized officers to enter into future loan agreements on behalf of the University, be approved.

August 26, 2002

BUDGET AMENDMENTS FOR 2003 EXECUTIVE BUDGET**VIRGINIA TECH**

The State established the 2002-04 biennial budgets for its agencies effective July 1, 2002. In preparation for the 2003 General Assembly session, the administration develops budget amendments that the Governor will offer to amend the 2003-04 annual budget. The Department of Planning and Budget establishes the guidelines which state agencies utilize to submit amendments to the administration for consideration in the Governor's budget. The Governor will submit the Executive Budget to the General Assembly on December 18, 2002.

Instructions on the amendment process are not expected to be received until early September. Assuming that the submission of budget amendments will be similar to the submission two years ago, operating amendments are expected to be restricted to the following categories:

- Emergencies,
- Mandates,
- Long-term savings,
- Prior commitments and critical needs,
- Technical adjustments, and
- Cost adjustments.

The 2002 Appropriation Act (§ 4-4.01 f.) limits consideration of capital requests in odd-numbered years to the following:

1. Supplementing projects which have been bid and determined to have insufficient funding to be placed under contract, and
2. Projects declared by the Governor or the General Assembly to be of an emergency nature, which may avoid an increase in cost or otherwise result in a measurable benefit to the state, and/or which are required for the continued use of existing facilities.

Consistent with this guidance, the University has developed a list of potential operating and capital budget amendments. The proposals on this list are consistent with the initiatives approved for submission in the University's 2002-04 biennial budget request, which was submitted to the state in October 2001. Since the submission is anticipated to be due sometime in the period of September 15 to October 15, work is already underway to prepare the individual proposals.

Several important state-wide issues are traditionally addressed centrally and are not included in Virginia Tech's list of amendments. The issues that are normally coordinated by the State Council of Higher Education for Virginia and the Department of Planning and Budget include the following: faculty and classified staff salaries, equipment trust fund, maintenance reserve, base budget adequacy, eminent scholars, and student financial assistance.

The operating submission will focus on securing General Fund support for the Virginia Bioinformatics Institute and full funding for the operation and maintenance of new facilities opening in 2003-04. At this time, no capital projects have been identified that meet the submission criteria. Should this change, the University will notify the Board of Visitors at the November meeting.

These budget amendments are expected to meet the criteria for submission to the Executive Budget; however, when budget amendment instructions are received from state officials, the budget submission will be modified, as necessary, to conform to that guidance. The University may choose to reduce this request before submission to the state. However, the amounts would not be increased without review with the Board of Visitors.

The proposed operating budget amendments are listed on Schedule 1. A brief description of each of the amendments follows.

Operating Amendments – University Division

- **Fund Virginia Bioinformatics Institute:** The proposal to establish the Virginia Bioinformatics Institute (VBI) envisioned a four-year phased implementation with the ongoing Educational & General operating budget growing from 19 positions and \$3.2M in the first year, to 48 positions and \$6.5M in the second year, to 78 positions and \$9.5M in the third year, and to 121.50 positions and \$12.8M in the fourth year. The Tobacco Commission agreed to provide operating funding for the first two years and the General Fund was to provide the funding for the third, fourth, and subsequent years. However, because of significant revenue shortfalls in the Commonwealth, no General Fund support was appropriated for VBI in Chapter 899. In view of the state-wide funding difficulties and the significant budget reductions imposed on state agencies, Virginia Tech requested VBI to maintain the same operating activity level in 2002-03 as authorized in 2001-02. By delaying some faculty hires, securing \$1.0 million from the Tobacco Commission, and allocating \$2.0 million from one-time internal sources, the University has been able to fund the operating budget in 2002-03; however, General Fund support at the current operating level is essential for 2003-04.
- **Adjust O&M Funding for New Facilities:** Additional funding is needed to operate and maintain new facilities opening in 2003-04: Chemistry/Physics – Phase II, Career Services Building, Bioinformatics – Phase I, and Multipurpose Livestock Arena.
- **Address Technical Adjustments:** Several amendments are necessary to adjust the appropriation for additional nongeneral fund revenues resulting from increases in tuition rates and increased activity in sponsored programs, continuing education, veterinary teaching hospital, and federal work study. In addition, one technical adjustment is needed to restore General Fund support for reductions assigned to the Center for Applied Math; this Center does not receive any General Fund appropriations.

Operating Amendments -- Cooperative Extension/Agriculture Experiment Station Division

- No amendments will be submitted for this division.

RECOMMENDATION:

That the Board authorize the University administration to submit the budget request for the 2003-04 Executive Budget in accordance with state instructions and consistent with the initiatives and amounts contained herein.

CRITICAL ISSUES FOR 2003 EXECUTIVE BUDGET
Virginia Tech
August 2, 2002

<u>University Division Operating Issues</u>	<u>General Fund</u>	<u>Nongeneral Fund</u>	<u>Total</u>
Critical Operating Needs			
Fund Virginia Bioinformatics Institute	\$9,536,529	\$4,030,000	\$13,566,529
Adjust O&M Funding for New Facilities	584,994	0	584,994
Technical Adjustments			
Restore Incorrect GF Reduction for Center for Applied Math	30,000	0	30,000
Increase NGF Appropriation for E&G Programs	0	26,600,000	26,600,000
Increase NGF Appropriation for Sponsored Programs	0	10,600,000	10,600,000
Increase NGF Appropriation for Federal Work Study	0	400,000	400,000
Subtotal University Division Operating Issues	<u>\$10,151,523</u>	<u>\$41,630,000</u>	<u>\$51,781,523</u>
<u>CE/AES Division Operating Issues</u>			
None to be Submitted	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL CRITICAL OPERATING ISSUES	<u><u>\$10,151,523</u></u>	<u><u>\$41,630,000</u></u>	<u><u>\$51,781,523</u></u>

VIRGINIA TECH

FINANCIAL PERFORMANCE REPORT

Operating and Capital Expenditures

July 1, 2001 to June 30, 2002

FINANCIAL PERFORMANCE REPORT

The Financial Performance Report of income and expenditures is prepared from two sources: actual accounting data as recorded at Virginia Tech and with the Commonwealth of Virginia, and the annual budgets. The actual accounting data reflect the modified accrual basis of accounting, which recognizes revenues when received rather than when earned and the expenditures when obligated rather than when paid. The annual budgets are based upon the amount of funds anticipated, approved, and appropriated to Virginia Tech by the General Assembly and the Governor of the Commonwealth of Virginia before the beginning of the fiscal year. The projected year-end budgets reflect adjustments to incorporate actual experience during the fiscal year. The adjustments are coordinated with the State Department of Planning and Budget.

The July to June 2001-2002 budget (year-to-date) is prepared from historical data and reflects trends in expenditures from previous years. Differences between the actual income and expenditures and the year-to-date budget may occur for a variety of reasons, such as an accelerated or delayed flow of documents through the accounting system, a change in spending patterns at the college level, or increases in revenues for a particular area.

Quarterly budget estimates are prepared to provide an intermediate measure of income and expenditures. Actual revenues and expenditures may vary from the budget estimates. The projected year-end budgets are, however, the final measure of accountability since the institution has a legislative mandate to remain within the total revenue and expenditure amounts appropriated by the General Assembly for the two divisions of Virginia Tech, including transfers from the Commonwealth's Central Appropriation for classified salary increase and fringe benefit rate changes.

OPERATING BUDGET

1. Tuition and Fee revenue was higher than projected because enrollments were slightly higher than projected, unfunded scholarship awards were lower than projected, and collection of delinquent tuition was higher than projected.
2. Revenue in All Other Income and expenses in academic programs were lower than projected due to the timing of expenses in the Virginia Bioinformatics Institute and the corresponding transfer of Tobacco Indemnification revenue into the Educational and General Program.
3. While the Commonwealth requires that revenue and expenses be balanced for Educational and General programs, year-end variances are possible for continuing education programs. For 2001-2002, revenues exceeded expenses in continuing education programs.
4. The budget for federal revenue is established to match projected allotments from the federal government. All expenses in federal programs are covered by drawdowns of federal revenue up to allotted amounts. Federal revenue in Cooperative Extension was less than the projected budget due to lower-than-anticipated federal expenditures and the timing of receipt of federal drawdowns.
5. While the Commonwealth requires that revenue and expenses be balanced for Educational and General Programs, year-end variances are possible for Federal Funds due to the timing difference between revenues and expenses. In 2001-2002, Federal Fund expenses slightly exceeded revenues; thus in 2001-2002, Federal Fund balances were utilized to offset expenditures.
6. Quarterly and projected annual variances are explained in the Auxiliary Enterprises section of this report.
7. Historical patterns were used to develop a measure of the revenue and expenditure activity for Sponsored Programs. Actual revenues and expenses may vary from the budget estimates because projects are initiated and concluded on an individual basis without regard to fiscal year. The annual revenue and expenditure budgets were established based on a 10% projected increase in sponsored activity levels. Actual revenues and expenditures significantly exceeded this target, with revenue growth of 23.3% and expenditure growth of 16.1% as compared to prior year actuals.
8. Expenses for Student Financial Assistance were lower than anticipated in the projected budget. The Commonwealth will reappropriate these funds for expenditure in the 2002-2003 fiscal year.
9. Revenues and expenses for All Other Programs were lower than originally estimated due to lower than projected activity in Alumni Affairs and Surplus Property programs.
10. The projected year-end General Fund revenue budget was increased by \$205,500 for a transfer from Student Financial Aid to the Educational and General program for assistantships in the Minority Academic Opportunities Program and by \$27,837 for VIVA libraries distribution costs. The corresponding expenditure budgets were increased. The General Fund budget was reduced by \$3,449,366 to match the actual central appropriations transfer based on a revision in the statewide fringe benefit rates that resulted in lower fringe benefit costs for the University and by \$5,598,895 for a 3 percent reduction approved by the General Assembly in the 2002 Session. In addition, the Commonwealth requested that agencies offset a portion of their 2002-2003 fiscal year reduction in fiscal year 2001-2002. The University Division elected to offset \$2,200,000 of its 2002-2003 fiscal year reduction. The corresponding expenditure budgets were adjusted accordingly.
11. The projected year-end revenue budget for Tuition and Fees was increased by \$4,000,000 for higher-than-projected Fall semester enrollments and by \$500,000 for higher than projected Spring semester enrollments. It was reduced by \$43,484 for a technical realignment of the revenue budget from Tuition and Fees to All Other Income. The corresponding expenditure budgets were adjusted accordingly.
12. The projected year-end revenue budget for All Other Income was increased by \$2,000 for Horticulture Program revenue, by \$43,484 for a technical realignment of the revenue budget from Tuition and Fees to All Other Income, and by \$550,000 to realign the budget with actual activity level in the Center for Organizational and Technological Advancement (COTA). The corresponding expenditure budgets were adjusted accordingly.
13. The General Fund revenue budget for the Cooperative Extension/Agriculture Experiment Station Division was reduced for the following: to match the actual central appropriations transfer based on revisions in statewide fringe benefit rates that resulted in a lower fringe benefit cost for the University; as a result of the 3% General Fund reversion; and to account for fringe rate changes to VRS and group life insurance contributions. In addition, the Commonwealth requested that agencies offset a portion of their 2002-2003 spending reductions in 2001-2002. The Cooperative Extension/Agriculture Experiment Station Division elected to offset \$50,000 of the 2002-2003 reduction in 2001-2002. The corresponding expenditure budgets were adjusted accordingly.
14. The annual budget for Federal Appropriations in the Cooperative Extension/Agriculture Experiment Station Division was adjusted to reflect additional federal funds that were available to be expended prior to June 30, 2002. The corresponding expenditure budgets were adjusted accordingly.
15. The annual budget for All Other Income in the Cooperative Extension/Agriculture Experiment Station Division was adjusted to reflect additional revenues received from the sale of Agriculture Experiment Station milk, crops, and livestock. The corresponding expenditure budgets were increased to offset the direct costs associated with the increase in sales.
16. The annual budget for Sponsored Programs was increased by \$140,617 to reflect the actual distribution received from the Virginia Tech Foundation for the nongeneral fund portion of the Eminent Scholars program.
17. The projected year-end revenue and expense budgets for Student Financial Aid were reduced by \$205,500 for the transfer from Student Financial Aid to the Educational and General program for assistantships in the Minority Academic Opportunities Program and increased by \$90,000 for the Commonwealth and Dean's Graduate Programs and for the carryover of \$43,960 in unexpended balances from the prior fiscal year. In the fourth quarter the budgets were increased by \$528,963 for the Virginia Graduate and Undergraduate Assistance Program.
18. The projected year-end budget for All Other Programs was increased by \$163,520 for pending commitments as of June 30, 2001 and by \$85,000 for a projected increase in surplus property activity and decreased by \$5,700 for lower than projected cadet enrollment.

OPERATING BUDGETS
2001-2002 Fiscal Year

Dollars in Thousands

	July 1, 2001 to June 30, 2002			Annual Budget for 2001-2002		
	Actual	Budget	Change	Original	Adjusted	Change
Educational and General Programs						
<u>University Division</u>						
<u>Revenues</u>						
- General Fund	\$175,681	\$175,681	\$0	\$186,696	\$175,681	\$-11,015 (10,17)
- Tuition and Fees	140,291	138,969	1,322 (1)	134,513	138,969	4,456 (11,12)
- All Other Income	24,761	27,515	-2,754 (2)	26,919	27,515	596 (11,12)
Total Revenues	\$340,733	\$342,165	\$-1,432	\$348,128	\$342,165	\$-5,963
<u>Expenses</u>						
- Academic Programs	\$-220,844	\$-223,551	\$2,707 (2)	\$-222,039	\$-223,551	\$-1,512 (10,11,12,17)
- Support Programs	-118,937	-118,614	-323	-126,089	-118,614	7,475 (10,11,12)
Total Expenses	\$-339,781	\$-342,165	\$2,384	\$-348,128	\$-342,165	\$5,963
NET	\$952	\$0	\$952 (3)	\$0	\$0	\$0
<u>CE/AES Division</u>						
<u>Revenues</u>						
- General Fund	\$58,776	\$58,776	\$0	\$61,663	\$58,776	\$-2,887 (13)
- Federal Appropriation	13,042	13,905	-863 (4)	13,238	13,905	667 (14)
- All Other Income	822	746	76	600	746	146 (15)
Total Revenues			\$-787	\$75,501		\$-2,074
<u>Expenses</u>						
- Academic Programs	\$-68,465	\$-69,340	\$875 (4)	\$-71,544	\$-69,340	\$2,204 (13,14,15)
- Support Programs	-4,225	-4,087	-138	-3,957	-4,087	-130 (13,14,15)
Total Expenses	\$-72,690	\$-73,427	\$737	\$-75,501	\$-73,427	\$2,074
NET	\$-50	\$0	\$-50 (5)	\$0	\$0	\$0
Auxiliary Enterprises						
Revenues	\$122,684	\$122,491	\$193 (6)	\$117,325	\$122,491	\$5,166 (6)
Expenses	-120,170	-124,414	4,244 (6)	-117,229	-124,414	-7,185 (6)
Reserve Drawdown (Deposit)	-2,514	1,923	-4,437 (6)	-96	1,923	2,019 (6)
NET	\$0	\$0	\$0	\$0	\$0	\$0
Sponsored Programs						
Revenues	\$132,770	\$119,449	\$13,321 (7)	\$119,308	\$119,449	\$141 (16)
Expenses	-125,878	-119,449	-6,429 (7)	-119,308	-119,449	-141 (16)
Reserve Drawdown (Deposit)	-6,892	0	-6,892	0	0	0
NET	\$0	\$0	\$0	\$0	\$0	\$0
Student Financial Assistance						
Revenues	\$12,911	\$12,911	\$0	\$12,453	\$12,911	\$458 (17)
Expenses	-12,772	-12,911	139 (8)	-12,453	-12,911	-458 (17)
NET	\$139	\$0	\$139	\$0	\$0	\$0
All Other Programs *						
Revenues	\$4,306	\$4,412	\$-106 (9)	\$4,332	\$4,412	\$80 (18)
Expenses	-4,303	-4,575	272 (9)	-4,332	-4,575	-243 (18)
Reserve Drawdown (Deposit)	-3	163	-166 (9)	0	163	163 (18)
NET	\$0	\$0	\$0	\$0	\$0	\$0
Total University						
Revenues	\$686,044	\$674,855	\$11,189	\$677,047	\$674,855	\$2,192
Expenses	-675,594	-676,941	1,347	-676,951	-676,941	10
Reserve Drawdown (Deposit)	-9,409	2,086	-11,495	-96	2,086	2,182
NET	\$1,041	\$0	\$1,041	\$0	\$0	\$0

* All Other Programs include federal work study, alumni affairs, surplus property, and unique military activities.

AUXILIARY ENTERPRISE BUDGET

1. Expenses were lower than budgeted in Residence and Dining Halls due to a delay in the construction of the Cochrane Hall lounge, salary savings in Residential Programs, and the budgeted system contingency funds not being utilized.
2. Revenues were higher than budgeted in Parking and Transportation as a result of higher-than-anticipated parking permits being sold, parking fine collections, and interest income. Expenditures were less than budgeted due to the timing of expenses for projects, including the construction of the Parking Services building addition.
3. Revenues and the contribution to the auxiliary reserve were higher than budgeted in Telecommunications due to higher-than-anticipated student fee collections from increased enrollments and interest income.
4. Revenues were higher than budgeted in the University Services System due to higher-than-anticipated student fee collections from increased enrollments. Expenditures were less than budgeted due to a delay in project expenditures in Student Health Services and Recreational Sports, savings in personnel costs in the student centers and Recreational Sports, and the budgeted system contingency funds not being utilized.
5. Expenditures were lower than budgeted in Intercollegiate Athletics due to timing of expenses for projects, including the soccer/lacrosse field renovation and the renovation of concession and ambulatory areas in Cassell Coliseum.
6. Revenues were less than budgeted in the Electric Service Auxiliary due to a lower-than-projected sale of electric current to town residents and the campus. Expenditures were less than budgeted due to savings in the purchase of wholesale electricity, other operating savings, the timing of project expenditures, and the budgeted system contingency funds not being utilized.
7. Revenues were higher than budgeted in the Donaldson Brown Hotel and Conference Center due to higher-than-projected fourth quarter food and lodging sales and annual interest income. As a result, the planned drawdown of the auxiliary reserve was not utilized.
8. Expenditures were less than budgeted in Other Enterprise Functions due to the timing of software acquisition expenses in the Software Sales Auxiliary, and operating savings in the Golf Course, Library Photocopy, the Tailor Shop, and the Hokie Passport Auxiliary.
9. The projected annual revenue, expenditure, and reserve addition budgets for the Residence and Dining Halls were adjusted to accommodate higher-than-originally-anticipated occupancy in the dormitories, an increase in the sale of off-campus meal plans, an increase in the use of dining dollars, higher-than-projected summer conference revenue and related expenditures, renovation expenses in Owens Dining Hall and Cochrane Hall, an increase in the cost of residential mail delivery, and a technical correction in the accounting for the Electronic Door Access project.
10. The projected year-end budget was increased for outstanding 2000-2001 commitments and projects that were initiated but not completed before June 30, 2001.
11. The projected annual expenditure and reserve drawdown budgets for Parking and Transportation Services were adjusted to accommodate the renovation of space for the Parking Services office, parking lot maintenance at the Northern Virginia Center, and an adjustment in the Blacksburg Transit contract payment to the Town of Blacksburg.
12. The projected annual revenue and expenditure budgets in Telecommunications were adjusted to reflect increased demand for supplies and services provided to capital projects and an increase in the cost of internet connectivity.
13. The projected annual expenditure and reserve drawdown budgets for the University Services System were adjusted to fund additional Residential Leadership Community program expenses in the Squires Auxiliary, the Indoor Climbing Wall program in the Recreational Sports Auxiliary, repairs to the sewer line of the Johnston Student Center, and a loan for the cost of planning the construction of the Fine Arts Center.
14. The projected annual revenue, expenditure, and reserve drawdown budgets for Intercollegiate Athletics were adjusted to accommodate higher-than-anticipated sales and Big East TV revenue, benefit changes, facility and renovation expenses, an adjustment to personnel costs, increased ticket office expenses, increased claims allowance, additional team travel expenses, printing and mailing expenses, additional testing for athletes, a change in the accounting of the NCAA Academic Enrichment program, and participation in the 2002 Gator Bowl.
15. The projected annual revenue, expenditure, and reserve drawdown budgets for the Electric Service were adjusted to reflect less-than-anticipated sales of electricity to the University and town customers, an offsetting reduction in the purchase of wholesale electricity, and funding non-routine repairs to the University's electric generator.
16. The projected annual revenue and expenditure budgets in the Donaldson Brown Hotel and Conference Center were adjusted to reflect lower-than-projected occupancy and sale of meals. Since expenditures could not be reduced as much as revenue, a reserve drawdown was required to balance the budget.
17. The projected annual revenue, expenditure, and reserve drawdown budgets in the Other Enterprise Functions were adjusted to pay off the debt on older photocopiers in the Library Photocopy Auxiliary and replace them with newer ones, to increase the Licensing and Trademark contribution to scholarships and athletic programs as a result of increased royalties collected from the sale of Virginia Tech merchandise in 2000-2001, to reflect increased licensing royalties collected in 2001-2002, to eliminate the Tailor Shop's reserve restoration requirement, and to reflect increased personnel costs in the Student Orientation Auxiliary.

**UNIVERSITY DIVISION
AUXILIARY ENTERPRISES**

Dollars in Thousands

	July 1, 2001 to June 30, 2002			Annual Budget for 2001-2002		
	Actual	Budget	Change	Original	Adjusted	Change
Residence and Dining Halls						
Revenues	\$45,014	\$45,150	\$-136	\$42,172	\$45,150	\$2,978 (9)
Expenses	-42,792	-43,892	1,100 (1)	-42,325	-43,892	-1,567 (9,10)
Reserve Drawdown (Deposit)	-2,222	-1,258	-964 (1)	153	-1,258	-1,411 (9,10)
Net	\$0	\$0	\$0	\$0	\$0	\$0
Parking and Transportation						
Revenues	\$3,708	\$3,452	\$256 (2)	\$3,452	\$3,452	\$0
Expenses	-3,776	-4,445	669 (2)	-3,834	-4,445	-611 (10,11)
Reserve Drawdown (Deposit)	68	993	-925 (2)	382	993	611 (10,11)
Net	\$0	\$0	\$0	\$0	\$0	\$0
Telecommunications Services						
Revenues	\$14,483	\$14,368	\$115 (3)	\$14,058	\$14,368	\$310 (12)
Expenses	-14,275	-14,378	103	-13,968	-14,378	-410 (10,12)
Reserve Drawdown (Deposit)	-208	10	-218 (3)	-90	10	100 (10)
Net	\$0	\$0	\$0	\$0	\$0	\$0
University Services System						
Revenues	\$16,723	\$16,565	\$158 (4)	\$16,565	\$16,565	\$0
Expenses	-16,486	-17,003	517 (4)	-16,487	-17,003	-506 (10,13)
Reserve Drawdown (Deposit)	-237	438	-675 (4)	-68	438	506 (10,13)
Net	\$0	\$0	\$0	\$0	\$0	\$0
Intercollegiate Athletics						
Revenues	\$20,370	\$20,399	\$-29	\$17,577	\$20,399	\$2,822 (14)
Expenses	-21,020	-21,768	748 (5)	-17,276	-21,768	-4,492 (10,14)
Reserve Drawdown (Deposit)	650	1,369	-719 (5)	-901	1,369	1,570 (10,14)
Net	\$0	\$0	\$0	\$0	\$0	\$0
Electric Service						
Revenues	\$14,076	\$14,431	\$-355 (6)	\$15,031	\$14,431	\$-600 (15)
Expenses	-14,062	-14,688	626 (6)	-16,218	-14,688	530 (10,15)
Reserve Drawdown (Deposit)	-14	257	-271 (6)	187	257	70 (10,15)
Net	\$0	\$0	\$0	\$0	\$0	\$0
Donsidson Brown Hotel and Conference Center						
Revenues	\$3,853	\$3,750	\$103 (7)	\$4,389	\$3,750	\$-619 (16)
Expenses	-3,785	-3,806	21	-4,142	-3,806	336 (10,16)
Reserve Drawdown (Deposit)	-68	58	-124 (7)	-227	58	283 (10,16)
Net	\$0	\$0	\$0	\$0	\$0	\$0
Other Enterprise Functions						
Revenues	\$4,457	\$4,376	\$81	\$4,101	\$4,376	\$275 (17)
Expenses	-3,974	-4,434	460 (8)	-3,969	-4,434	-465 (10,17)
Reserve Drawdown (Deposit)	-483	58	-541 (8)	-132	58	190 (10,17)
Net	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL AUXILIARIES						
Revenues	\$122,684	\$122,491	\$193	\$117,325	\$122,491	\$5,166
Expenses	-120,170	-124,414	4,244	-117,229	-124,414	-7,185
Reserve Drawdown (Deposit)	-2,514	1,923	-4,437	-86	1,923	2,019
Net	\$0	\$0	\$0	\$0	\$0	\$0

CAPITAL OUTLAY BUDGET

Educational and General Projects

1. The project total budget and cumulative expenses reflect the appropriations available for 2000-2002. The annual budget increased because project expenses expected in fiscal year 2001 were deferred to fiscal year 2002. The total budget decreased by \$3,770,000 to reflect the permanent loss of frozen General Fund resources. The remaining budget balance will cover projects in process.
2. Blanket Authorizations allow unforeseen renovation needs within \$500,000 to be authorized administratively for expediency. The following projects have been completed in blanket authorizations: Laundry Facility Renovation, Print Shop Renovation, Airport Terminal, Richardson Property Acquisition, Architecture Demo Phase II, Fiber Optics Facility, Tidewater Property Acquisition, and Tidewater Building Acquisition.
3. This project provides a facility to process animal waste and is located behind the Veterinary School. Construction is substantially complete and the facility will be on-line when testing is complete.
4. This project will provide space for administrative units currently housed in Burruss Hall and Southgate Center. The project includes two components. The Student Services building is under construction with an estimated completion date of January 2003. The Southgate Center Addition is under construction with an estimated completion date of September 2002. The project is administered under an alternative financing authorization in which the Virginia Tech Foundation will build the facilities. Because of this arrangement, all project expenses will be recorded in the Foundation instead of the University. To date, expenses for the project total \$3,455,438.
5. The project is complete and will be closed when final payments are processed.
6. This project includes the conversion of Shanks Hall and a portion of Shultz Hall for instructional activities. Both facilities are complete and the project will be closed when final payments are processed. The total project cost is expected to be \$9,439,200. The annual budget increased because project expenses expected in fiscal year 2001 were deferred to fiscal year 2002.
7. The project is under construction with an estimated completion date of January 2003. The total project cost is expected to be \$2.1 million.
8. The project construction is complete and outstanding items with the contractor continue to defer closing the project. The project cost is expected to be \$1.670 million. The budget balance will be carried forward until final payments are processed. The annual budget increased because project bills expected from the contractor in fiscal year 2001 were submitted in fiscal year 2002.
9. This project will provide state-of-the-art teaching laboratories, faculty offices, and lecture hall space. The project was released from the General Fund moratorium and is under construction with an estimated completion date of January 2004. The annual budget has been adjusted to reflect the actual construction start date of January 7, 2002. The project cost is expected to be \$26.774 million because of bid savings. The year-to-date expenses are below the annual budget because bills expected from the contractor in fiscal year 2002 were not received; the bills are expected early in fiscal year 2003.
10. A \$6.5 million supplemental increase to this project is pending approval of the 2002 General Obligation Bond program. The total project budget includes \$2.5 million of state support and \$5 million of private fund support.
11. This project is to replace out-dated facilities at the Dairy Cattle Center with state-of-the-art instructional and research areas. The annual budget decreased to reflect the delay in the availability of funds until July 1, 2002. The project could not be rebid until July 1, 2002, the effective date of the reinstatement of state resources. The University is now in the process of requesting authority from the state to advertise for bids. The estimated construction time is fourteen months.
12. This planning is to design a state-of-the-art laboratory facility to support plant science teaching and research. Working drawings are in process with an estimated completion date for bid documents of August 2002. Construction funding is included in the pending 2002 General Obligation Bond program. The estimated construction time is 24 months.
13. The project will replace a condemned wing of the existing AREC facility. The project is under construction with an estimated completion date of February 2003. The low bid was \$82,665 over budget; the overrun was administratively approved by the Department of Planning and Budget and is funded with overhead resources. The annual budget has been adjusted to reflect the actual construction start date of April 1, 2002. The year-to-date expenses are below the annual budget because bills expected from the contractor in fiscal year 2002 were not received; the bills are expected early in fiscal year 2003.
14. The project envisions the renovation of Williams Hall, Agnew Hall, and Part of Burruss Hall for state-of-the-art instructional space. The Williams Hall component is under construction. The project includes \$652,000 of nongeneral fund authorization for the Williams Hall component as a place-holder until the 2002 General Obligation Bond referendum; if the referendum does not pass, this funding will become permanent. The Agnew and Burruss components are pending approval of the 2002 General Obligation Bond referendum. The total project budget has been adjusted to \$5,701,000 from \$10,500,000 to reflect only the Williams Hall component. The Agnew and Burruss components will be reinstated if the General Obligation Bond program is approved. The annual budget decreased because construction of the Williams Hall component was delayed.
15. This comprehensive project addresses health and safety issues throughout campus such as fire alarm systems, air quality, and access for persons with disabilities. This project includes multiple items and various phases of design and construction.
16. This project will build a facility that will replace the outdated facilities in Henderson Hall. The project is in the working drawing phase with an estimated bid date of September 2002 and an estimated completion date of February 2004.
17. This project will build a research building for the Bioinformatics program. The project is under construction with an estimated completion date of August 2003. The year-to-date expenses are below the annual budget because bills expected from the contractor in fiscal year 2002 were not received; the bills are expected early in fiscal year 2003.
18. This project includes a new building to support research in the civil engineering program. The project is under construction with an estimated completion date of September 2002. The low bid was \$80,000 over budget; the overrun was administratively approved by the Department of Planning and Budget and is funded with private fund resources. The year-to-date expenses are below the annual budget because bills expected from the contractor in fiscal year 2002 were not received; the bills are expected early in fiscal year 2003.
19. This project will renovate existing space in Hancock Hall to provide research laboratories for the materials engineering program. The project is under construction with an estimated completion date of November 2002. The low bid was \$300,000 over budget; the overrun was administratively approved by the Department of Planning and Budget and is funded with overhead resources. The annual budget has been adjusted to reflect the actual start date of April 2002. The year-to-date expenses are below the annual budget because design changes and unforeseen building conditions extended the construction schedule.
20. This project will provide a presentation arena. The project is in the preliminary design phase with an estimated completion date of January 2004. The annual budget decreased because design and construction were delayed.
21. Project close out is deferred until the sale of the prior Winchester property; sale proceeds will be used to reimburse \$650,000 of expenses in the project currently covered by overhead funds. In addition to the state authorized expenditure of \$2,814,000, the University has incurred an additional \$13,099 of sale-of-property-related expenses temporarily covered by overhead funds and \$20,875 of project-related expenses temporarily covered by local funds. If the sales proceeds from the land are sufficient, funds will be utilized to cover these incremental expenses. If not, the temporary funding sources will permanently cover those costs.

CAPITAL OUTLAY PROJECTS
AUTHORIZED AS OF JUNE 30, 2002
(\$000)

	CURRENT YEAR			TOTAL PROJECT BUDGET				
	ORIGINAL ANNUAL BUDGET	ANNUAL BUDGET	YTD EXPENSES	GENERAL FUND	NONGENERAL FUND	REVENUE BOND	TOTAL BUDGET	CUMULATIVE EXPENSES
<u>Educational and General Projects</u>								
Maintenance Reserve	5,379	\$ 5,726	\$ 4,360	\$ 12,187	\$ 0	\$ 0	\$ 12,187	\$ 10,821 (1)
Blanket Authorizations	0	0	0	0	14,000	0	14,000	4,115 (2)
Dry Rendering Facility	1,550	1,550	1,447	595	423	1,648	2,666	2,410 (3)
Student Services Building	6,000	6,000	0	0	9,680	0	9,680	0 (4)
Torgersen Hall	949	1,163	1,059	14,449	12,500	0	26,949	26,844 (5)
Shanks Hall and Shultz Hall Conversion	560	1,737	1,426	0	9,982	0	9,982	9,128 (6)
Addition to Cheatham Hall	1,100	1,100	568	0	2,471	0	2,471	694 (7)
Airport Taxiway Construction	205	275	0	0	3,129	0	3,129	1,395 (8)
Chemistry/Physics - Phase II	14,000	5,000	2,868	23,431	3,763	0	27,194	4,424 (9)
Building Construction Learning Laboratory	0	0	0	0	1,000	0	1,000	0 (10)
Dairy Science Facilities	3,000	160	77	4,243	0	0	4,243	455 (11)
Agriculture & Natural Resources Research Laboratory	514	514	448	1,367	256	0	1,623	1,458 (12)
Hampton Roads Wing Replacement	1,100	520	110	1,345	83	0	1,428	229 (13)
Williams, Agnew, & Burruss Renovation	3,500	225	181	5,049	652	0	5,701	439 (14)
Health, Safety, and Accessibility	500	500	248	2,500	0	0	2,500	286 (15)
Career Services Facility	350	350	338	0	0	4,608	4,608	351 (16)
Bioinformatics Building - Phase I	4,100	4,100	2,338	0	0	21,864	21,864	2,698 (17)
Geotechnical Research Laboratory	740	740	273	0	880	0	880	312 (18)
Microelectronics Laboratories	1,200	1,000	304	0	1,800	0	1,800	497 (19)
Multipurpose Livestock Arena	200	32	13	1,900	1,818	0	3,718	74 (20)
TOTAL				67,066	62,437	28,120	157,623	66,630
<u>General Obligation Bond Projects</u>								
Winchester Office and Laboratory Complex	0	0	0	2,123	691	0	2,814	2,814 (21)
TOTAL				2,123			2,814	2,814

CAPITAL OUTLAY BUDGET (continued)

Auxiliary Enterprises Projects

1. Projects are scheduled and funded by the auxiliary enterprises during the annual Auxiliary Enterprise Budgeting Process. The annual budget increased because expenses expected in fiscal year 2001 were deferred to fiscal year 2002. The total and annual budgets increased by \$1.5 million to reflect the state's approval of additional nongeneral fund authorization for maintenance reserve projects scheduled this fiscal year.
2. Blanket Authorizations allow unforeseen renovation needs within \$500,000 to be authorized administratively for expediency. This blanket currently has no active project authorizations. The following Auxiliary projects have been completed in this blanket: four Telecommunications Upgrade projects for the residence halls, Hillcrest Renovations, Owens Parapet, and Planning for the Coliseum Roof Repair. The budget increase for the Auxiliary Maintenance Reserve project came as an offset to this blanket authorization. This \$1.5 million decrease will not impact any existing or planned activities.

Individual repair projects for this appropriation have been completed over several years. The remaining project balance will be used as appropriate projects are identified.

Several parking improvement projects have been completed in this authorization. The project includes \$203,000 of General Fund because a portion of the Stormwater Management project was consolidated with the Stadium Parking project. The University recently initiated four parking lot improvement projects to increase parking capacity within existing lots. The annual budget was increased to reflect planning work for the four improvement projects. The remaining budget balance is planned for a parking structure which is on hold.

The project is complete and will be closed when final payments are processed. The total project cost is expected to be \$11,080,000.

This project will expand the existing North campus substation to support continuing core campus development. Project construction is underway with an estimated completion date of January 2003. The project cost is expected to be \$2,992,000. The year-to-date expenses are below the annual budget because construction did not proceed as originally scheduled.

Improvements to the first floor are complete, and the project was closed on June 30, 2002. Improvements to the second floor are included in a new appropriation authorized in the 2002 session.

8. This project will build about 187,000 gross square feet to support alumni, continuing education, and hotel programs. Working drawings are in process with an estimated bid date of January 2003 and an estimated completion date of February 2005. The annual budget was adjusted because design progressed less than anticipated. The year-to-date expenses exceed the annual budget because bills expected from the A/E firm in fiscal year 2003 were received and due in fiscal year 2002. Resources were sufficient and available to cover the expenses.
9. The project is complete and was closed on June 30, 2002. The annual budget decreased because expenses expected in fiscal year 2002 were processed in fiscal year 2001.
10. This project was envisioned to build a new clubhouse and driving range. The project is on hold because the golf course hole relocations have been deferred.

This project will enclose the South end of Lane Stadium and will plan an expansion of the West side stadium boxes. The South end stands are under construction with a completion date of August 2002. Working drawings are in process for the West side stands. The total project cost is expected to be \$34.565 million.
12. This project is to install electronic access systems in the 19 residence halls constructed prior to 1983. The project will be implemented in three phases. Phases I and II are complete. Phase III will be implemented in fiscal year 2003.
13. This project is to plan a new residence hall of approximately 256 beds along with office spaces for residential services and judicial affairs. Preliminary programming has been completed to establish site and utilities coordination with the Career Services project.
14. This project will build a new electric service facility located off campus consisting of service and storage areas for trucks and equipment. The project is in the bid phase with an estimated completion date of September 2003. The components of the total project budget were adjusted to reflect the reinstatement of debt financing (\$2.749 million) to replace nongeneral fund cash as a source of support for the project; the overall project budget did not change. The annual budget was adjusted because design progressed less than anticipated.
15. This project will develop additional field areas and support structures for use by the intramural sports program. The new fields are complete and the support facilities are under construction with an estimated completion date of January 2003.

Capital Outlay Projects Authorized as of June 30, 2002 (Continued)

	CURRENT YEAR			TOTAL PROJECT				
	ORIGINAL ANNUAL BUDGET	REVISED ANNUAL BUDGET	YTD EXPENSES	GENERAL FUND	NONGENERAL FUND	REVENUE BOND	TOTAL BUDGET	CUMULATIVE EXPENSES
Auxiliary Enterprises Projects								
Maintenance Reserve	\$ 1,224	\$ 3,634	\$ 3,331	\$ 0	\$ 14,123	\$ 0	\$ 14,123	\$ 13,820 (1)
Auxiliary Enterprise Blanket Authorizations	0	0	0	0	7,500	0	7,500	2,691 (2)
Major Repairs-Dorm/Dining System	0	0	0	0	288	8,577	8,865	8,125 (3)
Parking Auxiliary Projects	0	93	49	203	220	13,899	14,322	6,734 (4)
Special Purpose Housing - Phase III	1,716	2,555	2,431	0	660	10,658	11,318	10,957 (5)
Substation Expansion	2,000	2,000	461	0	0	3,800	3,800	763 (6)
Dining System HVAC	0	0	0	0	0	2,098	2,098	1,699 (7)
Alumni/CEC/Hotel Complex	1,400	1,100	1,298	0	25,099	20,732	45,831	1,902 (8)
Football Fields	1,603	1,236	1,197	0	3,103	0	3,103	3,063 (9)
Golf Course Facilities	0	0	0	0	1,500	0	1,500	0 (10)
Expand Lane Stadium - Phase I	25,000	25,000	22,753	0	11,000	26,000	37,000	26,252 (11)
Improve Security Access in Residence Halls	600	600	359	0	1,366	0	1,366	604 (12)
New Residence Hall Planning	100	100	83	0	1,041	0	1,041	83 (13)
Electric Service Facility	850	200	129	0	251	2,749	3,000	194 (14)
Recreation Fields	1,200	1,200	643	0	1,529	0	1,529	700 (15)
TOTAL	35,693	37,718	---	---	---	---	156,396	77,587
 GRAND TOTAL	 \$ 80,640	 \$ 68,410	 \$ 48,792	 \$ 69,392	 \$ 130,808	 \$ 116,633	 \$ 316,833	 \$ 147,031

RECOMMENDATION:

That the report of income and expenditures for the University Division and the Cooperative Extension/Agriculture Experiment Station Division for the period of July 1, 2001 through June 30, 2002 and the Capital Outlay report be accepted.

**ESTABLISHMENT OF THE VIRGINIA TECH-WAKE FOREST UNIVERSITY
SCHOOL OF BIOMEDICAL ENGINEERING AND SCIENCES (SBES)**

WHEREAS, the Board of Visitors of Virginia Tech has authorized and encouraged the university's leadership to pursue collaborative partnerships with universities with a medical school in order to develop research and educational programs consistent with the funding agendas of the National Institutes of Health, thereby assisting the university's efforts to become a top 30 research university; and,

WHEREAS, a collaboration between Wake Forest University and Virginia Tech related to biomedical engineering and sciences offers each university an exceptional opportunity to excel in this field that would not otherwise be possible if pursued individually; and,

WHEREAS, Wake Forest University, a private institution, is classified as one of the 50 most competitive institutions in the country; its School of Medicine is ranked 37th among 123 U.S. medical schools in NIH funding and has top-50 rankings in 10 of 16 specialties and offers excellence in a wide range of research areas which include aging, imaging, genomics, cancer, neuroscience, pulmonary diseases and diabetes; and,

WHEREAS, Virginia Tech offers complementary excellence in engineering with an active group of more than 20 faculty members in its Center for Biomedical Engineering and strong research programs in other related areas throughout the university including polymer chemistry, biochemistry and molecular biology, the Center for Gerontology, and the Virginia Bioinformatics Institute; and

WHEREAS, the Virginia-Maryland College of Veterinary Medicine offers an opportunity for unique contributions to biomedical engineering research and education given its capability of testing and monitoring advanced and critical biomedical technologies; and

WHEREAS, the creation of a School of Biomedical Engineering and Sciences facilitates the collaboration between the two institutions by establishing an administrative and governance structure recognizing the vital contributions and interests of each partner institution; and,

WHEREAS, the initial focus of the SBES will be joint biomedical engineering graduate degree programs, leading ultimately to joint research and educational programs that will advance fundamental discoveries in medicine and biology, lead to improvements in health care technologies, facilitate the formation of new collaborations between engineering, veterinary science, and human medicine, and serve as a resource for biomedical engineering throughout the region;

NOW, therefore, be it resolved that the Board of Visitors authorizes the establishment of the School of Biomedical Engineering and Sciences effective immediately.

RECOMMENDATION:

That the resolution authorizing the establishment of the Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences be approved.

August 26, 2002

DRAFT

COLLABORATION AGREEMENT

This Collaboration Agreement dated this ____ day of _____, 2002 (“Agreement”) by and between Virginia Polytechnic Institute and State University, a state agency and institution of the Commonwealth of Virginia (“Virginia Tech”) and Wake Forest University, a private educational institution located in North Carolina (“Wake Forest”).

RECITALS

WHEREAS, Virginia Tech and Wake Forest previously agreed to enter into collaborative discussions regarding the development of a formal collaboration agreement and joint degree programs in the field of biomedical engineering and sciences and human health, and

WHEREAS, as a result of their discussions the parties desire to draw on the strengths of the Virginia Tech engineering program and the Wake Forest medical program, and

WHEREAS, the parties desire to establish the Virginia Tech-Wake Forest School of Biomedical Engineering and Sciences, and

WHEREAS, the parties desire to enter into this formal Collaboration Agreement to describe the relationship between them, including the mutual benefits the parties may receive and the conditions for their receipt.

TERMS

In consideration of the mutual promises contained in this Agreement, Virginia Tech and Wake Forest agree as follows:

1. Establishment of School

1.a. Virginia Tech and Wake Forest agree to establish the Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences (School)

1.b. Each institution agrees to seek approval from any applicable state agencies or accrediting bodies, to carry out the purposes of this Agreement.

2. Scope

The initial scope of the School is defined in Attachment A, the Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences, which is incorporated herein by reference.

3. Administration

3.a. The School will have a 6-member governing board. Three members shall be chosen by Virginia Tech and three by Wake Forest. The duties and composition of the governing board are identified in Attachment A. Final approval of policy decisions by the governing board will be subject to approval of Virginia Tech and Wake Forest, in accordance with the respective institutions' rules and regulations.

3.b. The School will create an external advisory board with the membership and duties as identified in Attachment A.

3.c. The School will have a graduate committee, with the membership and duties as identified in Attachment A.

3.d. The School will have a Director and Associate Director, with duties as identified in Attachment A.

4. Academic and Research Programs

4.a. The School will issue graduate level degrees, subject to approval as identified in Paragraph 1.b above, in the name of both Virginia Tech and Wake Forest.

4.b. Students

4.b.1. Each student participant will have a home of record, either Virginia Tech or Wake Forest.

4.b.2. The rules and regulations governing admissions, curricula, tuition, discipline, degree requirements, etc. shall be governed by the home institution.

4.b.3. Subject to approval as detailed in Paragraph 1.b. above, all School courses will be cross-listed at both institutions.

4.b.4. Anticipated initial degree offerings are outlined in Attachment A.

4.c. Employees

4.c.1. Each faculty and staff member who works on projects for the School will be employed by either Virginia Tech or Wake Forest, subject to applicable institutional policies.

4.c.2. The employment rules and regulations governing the employees shall come from the institution by which the employee is paid his/her salary.

4.c.3. The parties agree that unpaid, joint appointments may be offered to the faculty by the other institution. Such joint appointments will be governed by the rules of the institution granting the unpaid joint appointment.

4.d. Research

4.d.1. It is acknowledged that a major goal of the School will be to enter into collaborative extra-mural funded research ventures.

4.d.2. By participating in collaborative research, the parties agree that neither party will be precluded from entering into similar collaborative research endeavors with third parties.

5. Funding

5.a. Annual Budget

5.a.1. The Governing Board shall prepare a jointly developed budget on an annual basis, outlining costs, external sources of funds and Virginia Tech and Wake Forest contributions. Said budget to be finalized by May 1 of each year.

5.a.2. The first year budget, fiscal year 2003-2004, is attached as Attachment B.

5.a.3. The annual budget is subject to approval by the Virginia Tech and Wake Forest Governing Boards.

5.b. Five-Year Strategic Plan

5.b.1. The Governing Board for the School will develop a five-year strategic plan outlining anticipated costs and expenditures. This will be updated annually and

supplied to Virginia Tech and Wake Forest by May 1 each year. The initial strategic plan is attached as Attachment B.

6. Relationship Between the Parties

6.a. No Agency

6.a.1. Virginia Tech is a Virginia Public Corporation and Wake Forest is a Private University operating in North Carolina. The two institutions agree that neither institution has any control over the other, except as provided in this Agreement. Neither institution shall act as an agent for the other.

6.b. Fund-Raising Activities

Neither Virginia Tech nor Wake Forest will conduct fund-raising activities for or in the name of the School without the prior written consent of the other.

6.c. Dealings with Third Parties

Neither Institution shall hold itself out as being part of, controlled by, or acting on behalf of the other. However, each party may inform third parties of the existence of this Agreement. With respect to advertising, publicity, correspondence, contracts, and other formal means of communication, each institution will use its full corporate name.

6.d. Liability Insurance and Defense

Virginia Tech and Wake Forest understand and agree that neither institution nor the employees of either will be liable for any of the contracts, torts, or other actions or omissions of the other. Further, the institutions agree neither the directors, officers, employees or staff of the other institutions are protected by the respective insurance policies or self-insurance plans of Virginia Tech or Wake Forest University in connection with School activities, and that neither institution will provide the other any legal defense for the School or any such person in the event of any claim against the other.

7. Non-Discrimination

Both institutions agree not to discriminate on the basis of race, color, religion, national origin, political affiliation, handicap, gender, sexual orientation or age.

8. Use of Facilities

8.a. Use

Each institution agrees to make the other eligible to use their facilities, subject to availability and the policies and procedures of the owning institution applicable to such facilities.

8.b. Cost

8.b.1. Each Institution agrees to bear its own costs for classroom and distance learning facilities.

8.b.2. Cost for research facilities. Each institution agrees to pay the cost of research facilities based upon the facilities usage rate normally charged by the other institution for each separate facility to be used.

9. Joint collaboration and/or Research

Virginia Tech and Wake Forest agree to collaborate jointly on research projects that will be mutually identified and which the institutions agree will be mutually beneficial. In connection with the purposes of this Agreement, the institutions agree to engage the research and/or services of each other in accordance with the policies and procedure of each institution. Any such research project shall be the subject of a separate research memorandum that will detail the scope of work, benefits to Virginia Tech and Wake Forest, budgets, overhead charges and funding mechanisms for each project. Any such research memorandum shall incorporate by reference and be subject to the terms and conditions of this Agreement.

10. Rights to Intellectual Property

The basic policy of the parties is to ensure that the results of research are applied in a manner that best serves the interest of Virginia Tech and Wake Forest and the public.

In furtherance of this purpose and policy:

Any inventions or copyrighted materials conceived, expressed and/or reduced to practice as a result of performance of this Agreement (the "Intellectual Property") by the employees of Virginia Tech shall vest in Virginia Tech. Any Intellectual Property conceived, expressed and/or reduced to practice by Wake Forest employees during the term of this Agreement shall vest in Wake Forest. Any Intellectual Property made jointly by employees of, or by joint employees of Virginia Tech and Wake

Forest shall become the joint property of Virginia Tech and Wake Forest. Although each institution retains title to the Intellectual Property generated by its employees, the other party is granted the right of access to all data, information and inventions created in Agreement and may use same freely for internal teaching, internal research and internal development purposes.

11. Publication Rights

The institutions shall be free to publish papers dealing with the results of projects instituted under this Agreement, except that such publication shall not disclose any of the other institution's Proprietary Information (as that term is described in section 12) without the written consent of the owner of the Proprietary Information. Each party further agrees to send the other a copy of any such proposed publication thirty (30) days prior to submission for publication. Each institution, on request of the other within such thirty (30) day period, shall delete any Proprietary Information of the other institution in the proposed publication. The institutions agree to delay publication of any information relating to a potential invention until such time as a copyright or patent application is filed or such time as otherwise reasonably agreed by the institutions. Any papers published shall give appropriate recognition to the support and authorship received from the other institution.

12. Proprietary Information

"Proprietary Information," means information of a confidential or proprietary nature provided by one institution to the other in connection with this Agreement. Except as provided in the next sentence, the non-disclosing institution shall use its best efforts not to disclose, in whole or in part, any Proprietary Information to any third party for a period of three (3) years following termination of this Agreement. The non-disclosing institution shall have no obligation to prevent the disclosure in whole or in part, of Proprietary Information that is:

1. Not identified as Proprietary Information in writing and appropriately marked at the time it is disclosed by the disclosing party;
 2. Already known to the non-disclosing institution at the time it is disclosed by the disclosing party;
 3. Known to a third party without the wrongful act or breach of this Agreement by the non-disclosing party;
 4. Rightfully received by the non-disclosing institution from a third party on a non-confidential basis;
 5. Approved for release by written authorization of the disclosing institution;
- or

6. Required by law or by lawfully issued subpoena to be disclosed.

13. Term and Termination

13.a. This Agreement is for a term of five (5) years, beginning on the date first identified above.

13.b. During the last year of each five-year term, the institutions agree to review and evaluate the School. As a result of a positive review, this Agreement may be renewed by mutual written consent of the institutions for an unlimited number of renewal terms of five (5) years each.

13.c. In the event the Agreement is not renewed, any student already enrolled and participating in the School shall have the right, provided the student is otherwise in good standing with the home institution, to fully complete the degree program.

14. Severability

Each paragraph and provision of this Agreement is severable from the entire Agreement; and if any provision is declared invalid, the remaining provisions shall nevertheless remain in effect.

15. Notice

Any notice under this Agreement shall be deemed given when delivered in person or received in the mail, postage prepaid, and addressed as follows:

If to Virginia Tech:
Executive Vice President
Virginia Tech
210 Burruss Hall
Blacksburg, Virginia 24061-0148

If to Wake Forest:

Or to such other person, at such addresses, as either party may designate for itself and so notify the other in writing.

16. Paragraph Headings

The paragraph headings in this Agreement are used only for ease of reference, and do not limit, modify, construe, or interpret any provision of this Agreement.

17. Entire Agreement; Amendments

This Agreement constitutes the entire agreement between Virginia Tech and Wake Forest concerning the subject matter and it supersedes all prior written or oral agreements concerning this subject matter. This Agreement may not be amended except by written document executed by both institutions.

IN WITNESS WHEREOF, the parties have executed this Agreement below:

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

WAKE FOREST
UNIVERSITY

BY _____

BY _____

DATE: _____

DATE _____

ATTACHMENT A

A Proposal to Establish The Virginia Tech – Wake Forest University School of Biomedical Engineering and Science

Contact Person: Elaine P. Scott, Director of the Center for Biomedical Engineering,
Professor, Mechanical Engineering

1 Proposed Name

The proposed name for the new School is:

*The Virginia Tech – Wake Forest University
School of Biomedical Engineering and Sciences
(VT-WFU SBES)*

1.1 Introduction

This proposal is to establish a joint School of Biomedical Engineering and Sciences (SBES) with Wake Forest University (WFU) School of Medicine. Although this document was written to address the items specified in the VT Policy 6150, it also includes aspects related to the joint nature of the proposed program not specifically addressed in the Policy guidelines. *(This text is an excerpt of the full proposal which is available in its entirety to interested persons; please contact Professor Elaine Scott, scottep@vt.edu)*

2 Participating Departments or Units

Initially, the major participants will be:

- 1) **The Virginia Tech College of Engineering (COE)**
 - a) Center for Biomedical Engineering
 - b) Department of Chemical Engineering
 - c) Department of Engineering Science & Mechanics
 - d) Department of Industrial & Systems Engineering
 - e) Department of Materials Science & Engineering
 - f) Department of Mechanical Engineering
- 2) **The Virginia-Maryland Regional College of Veterinary Medicine (VMRCVM)**
 - a) Department of Biomedical Sciences & Pathobiology
 - b) Department of Small Animal Clinical Sciences
 - c) Department of Large Animal Clinical Sciences
- 3) **The Wake Forest University School of Medicine (WFUSM)**
 - a) Division of Surgical Sciences
 - b) Department of Anesthesiology
 - c) Department of Internal Medicine
 - d) Department of Medical Engineering
 - e) Department of Neurology
 - f) Department of Pediatrics
 - g) Department of Radiation Oncology
 - h) Department of Radiology

Other potential participating units include the Departments of Biological Systems Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, Mining and Minerals Engineering, Biochemistry, Biology, Chemistry, and Physics at Virginia Tech, and the Departments of Physiology & Pharmacology, and Gerontology and Geriatric Medicine at WFU.

3 Effective Date of the Organizational Change

The proposed effective date of the establishment of SBES is **August 15, 2002**.

4 Proposed Mission, Goals, and Objectives

4.1 Mission and Purpose

SBES Mission Statement:

The mission of the proposed VT – WFU SBES will be to provide a framework for the generation and dissemination of knowledge through research and education for the improvement of human and animal health through cooperative advancements in engineering, science and medicine. To this end, it will serve the region, including the Commonwealth of Virginia and the State of North Carolina, the nation, and the international community.

4.2 Goals and Objectives

The goals of the proposed SBES are to offer joint academic degree programs and bring about new collaborative research efforts in areas related to human and animal health. The specific objectives of the proposed school are to 1) serve the biomedical engineering (BME) and science needs of the Commonwealth, region, nation, and international community by offering related graduate degree programs, 2) bring about new collaborative research efforts between engineering, science, and human and veterinary medicine, 3) increase overall external funding in research related to biomedical engineering and sciences, and 4) become one of the top 20 biomedical engineering programs in the country. Initially, the joint instructional and research programs will be focused in three primary areas: 1) biomechanics, 2) tissue and cell engineering, and 3) bioimaging and signal analysis. Others, such as biomaterials, bioinformatics, bionanotechnology, and biohazards, are potential additional focus areas, and will be added as appropriate in the future.

4.3 Benefits Sought by the Creation of SBES

Biomedical engineering is a very broad field, which involves the integration of engineering, science, and medicine. Not only does the field cover all areas of engineering (*e.g.*, from bone mechanics (*Engineering Science and Mechanics*) to cell and tissue engineering (*Chemical Engineering*)), it also requires knowledge and understanding of the life sciences and how engineering principles can be applied to human medicine. There is no one department or entity at Virginia Tech that covers such a broad spectrum of disciplines. Thus, the School, with partners from the VT College of Engineering, WFU School of Medicine, and VMRC College of Veterinary Medicine, will provide the mechanism in which all of these areas can be integrated. In addition, the formation of a joint school with WFU offers VT access to a Medical School and its clinical facilities. In addition to the establishment of joint academic programs, the development of joint research collaborations between the two institutions is also an important major goal. Furthermore, this alliance also allows us to offer a joint M.D./Ph.D. program through the WFU School of Medicine, in addition to a joint DVM/PhD program through the VMRCVM.

It is unlikely that an ongoing relationship with the Wake Forest University School of Medicine and the benefits associated with it could be sustained with the current organizational structure that we have now. Without the school and this cooperative effort with WFUSM, any attempt to formulate BME graduate degree programs would lack the key human medical component, and thus a heart of the program. Formalizing this arrangement through the development of a school will 1) help foster collaborative research efforts and thus increase research funding to VT, 2) allow a structure in which graduate degree programs can be offered, 3) provide a mechanism to attract high quality graduate students (due to the connection between VT and WFUSM), and 4) provide an incentive to attract high quality BME faculty members to VT.

5 Proposed Organizational Structure

5.1 External Organizational Structure

The structure of SBES as an organizational unit between the two universities. The initial primary participants will be the VT College of Engineering (COE), the VMRCVM, and the WFUSM; however, as discussed previously, other participants are anticipated in the future and will be included in the organizational structure as appropriate. SBES will be the academic entity for Biomedical Engineering graduate education at VT and WFU. The existing Center for Biomedical Engineering (CBME) will become a part of the School and may eventually be jointly administered to support the research activities of the School. In the interim period, the CBME will continue to be the focus of biomedical engineering research activities at VT. The Director of the School (see internal organizational structure in the next section) will report directly to the *Governing Board*. The members of the *Governing Board* will be chosen from the primary participants as outlined below. All *SBES Faculty members* will have home departments, known as *Participating Departments*. The School will also have an *External Advisory Board* to act as advisors and advocates for the School. Each component of the organizational structure (*indicated by italics*) is described below.

Governing Board: The *Governing Board* will oversee the operations of the School and direct and approve the School's policy. The Director and the Co-Director (see next section) will report directly to the Board, and will serve as *ex-officio* members. The Board will consist of eight voting members, with four from VT and four from WFU. Three members from each university will be permanent members, while the fourth will be a one-year rotating position. In addition, there will be a non-voting member-elect who will 1) serve as a substitute (voting) member, 2) be invited to all meeting, and 3) assume the rotating position after one year. The composition of the Board is outlined below.

Virginia Tech Members:

- Permanent member – Dean of the Graduate School (or designated representative)
- Permanent member – Dean of the College of Engineering (COE) (or designated representative)
- Permanent member – Dean of the College of Virginia – Maryland Regional College of Veterinary Medicine (VMRCVM) (or designated representative)
- Rotating member (one year appointment) – Departmental Chair (or designated representative) from a *participating department* (or college) at VT.
- Rotating member elect (one year appointment) – Departmental Chair (or designated representative) from a *participating department* (or college). (This person will assume the voting rotating position after one year.)

Wake Forest University Members:

- Permanent member – Dean of the Graduate School (or designated representative)
- Permanent member – Senior Vice President for Health Affairs (or designated representative)
- Permanent member – Dean of the School of Medicine (or designated representative)
- Rotating member (one year appointment) – Departmental Chair or Center Director from a *participating department* at WFUSM
- Rotating member elect (one year appointment) – Departmental Chair or Center Director from a *participating department*; will assume the rotating position after one year.

Ex-officio members:

- Director of SBES
- Co-Director of SBES

The chair of the board will be the VT Dean of the COE. (This may be rotated to WFU in the future if appropriate.) A simple majority is required for approval of all School policies.

Participating Departments: The *participating departments* are those to which the SBES faculty have appointments. At Virginia Tech, these will initially include Chemical Engineering, Engineering Science & Mechanics, Industrial & Systems Engineering, Materials Science & Engineering, and

Mechanical Engineering within the COE, and the Departments of Biomedical Sciences and Pathobiology, Small Animal Clinical Sciences, and Large Animal Clinical Sciences within the VMRCVM. At Wake Forest University, these include the Division of Surgical Sciences, and the Departments of Anesthesiology, Internal Medicine, Medical Engineering, Neurology, Pediatrics, Radiation Oncology, and Radiology. The *Participating Department* Chairs will serve on the *Governing Board* on a rotating basis.

New Participating Departments and Colleges: Other departments wishing to become participating departments (and therefore be eligible for the rotating position on the *Governing Board* and in agreement with any CBME indirect cost agreements) are invited to do so by submitting their request to the *Governing Board* for approval. Likewise, other Colleges can also submit a request for participation as a whole if faculty participation is dispersed throughout different departments within the college. In either case, the request should outline the degree and nature of their expected participation, and list the faculty to become involved, along with their expertise and expected level of participation as SBES Faculty Members. (It should be noted that faculty in the Departments of Electrical and Computer Engineering, Physics, Computer Science, and others have already expressed interest in becoming future participants.)

External Advisory Board: An *External Advisory Board* will provide guidance to the Director and the *Governing Board* on the School's mission and direction, and serve as advocates for the School. The *Advisory Board* will initially consist of 8 members, appointed by the *Governing Board*, and serve four-year renewable terms. New members may be rotated in every two years. (A maximum of 12 members will be allowed.) Nominations for the *Advisory Board* can be submitted through the Director, Co-Director, or Chair of the *Governing Board*. Both the VT and WFU president's will have the option to appoint one at large member for each institution if desired.

Core and Affiliated SBES Faculty Members: The School's Faculty will be made up of faculty members from the *participating departments*. *Core SBES Faculty Members* shall have their primary research interests in biomedical engineering and will be expected to teach BME courses and participate in SBES activities, including committee appointments. These faculty members will be designated as core BME faculty within their *home departments*. *Affiliated SBES Faculty Member* appointments will be available to faculty in participating departments who have some BME research interests and who will occasionally teach BME courses and participate in SBES activities. Initially, the current Faculty members in the CBME will have the opportunity to become Core or Affiliate members, with approval of their respective department chairs and deans.

Home Department: The *home department* is the department in which a SBES Faculty Member has his/her appointment.

New SBES Faculty Positions: Each new *Core SBES Faculty Position* will be appointed to a participating department and will be designated as a *SBES Faculty Position* by the Dean of the respective college in consultation with the appropriate department heads. The search committees for such positions will include a minimum of one *Core SBES Faculty Member* and will preferably have a member from the sister institution.

Teaching and Research Credit: All BME courses taught by SBES faculty will be credited to the *home department* of the instructor. (It is anticipated that most BME courses will be cross-listed with departmental courses.) In the case of team taught courses with faculty from different departments, proportional credit will be given according to the responsibilities of each faculty member. All BME related research conducted by SBES faculty will be credited to the School and to the home department of the faculty member.

Faculty Exchange Mechanisms: Each institution will be responsible for its own faculty's salary and benefits on any short term exchange programs at the sister institution.

5.2 Internal Organizational Structure

The primary positions are outlined below (details are provided in the full proposal.)

Director: The School *Director* will hold a tenured faculty position in any of the *participating departments or units* in the School. (The Director's position will initially be at VT.) The *Director* will be responsible for both the academic and the research operations of the School. Oversight of the research operations will initially mean serving as director of the CBME. The *Director* will report directly to the SBES *Governing Board* and initially to the CBME Stakeholder's Board. Duties of the *Director* include oversight of the administrative staff, coordination of activities related to the recruitment, admission, and tracking of BME graduate students, administration of funds, assignment of faculty members to the Graduate Committee, coordination with the participating colleges/departments to secure new or reassign assisting SBES faculty appointments, and oversight and provision of support documents as appropriate for SBES faculty in P&T decisions.

Co-Director: The *Co-Director* will hold a tenured faculty position at the sister university of the *Director* (i.e., initially at WFUSM), and will report to the *Governing Board* jointly with the *Director*. The *Co-Director* will oversee the day-to-day operations at the sister institution (i.e., WFU Campus), including oversight of the administrative staff, coordination of activities related to the recruitment, admission, and tracking of BME graduate students in cooperation with the director, administration of funds (e.g., from direct cost agreements at WFU), assignment of faculty members to the Graduate Committee (in cooperation with the director), coordination with the participating colleges and departments to secure new or reassign assisting SBES faculty appointments at WFU, and oversight and provision of support documents as appropriate for SBES faculty in promotion and tenure decisions at WFU.

BME Graduate Committee: The graduate committee of SBES will be responsible for 1) reviewing and recommending acceptance of student applications to the SBES's BME degree programs, and 2) recommending degree requirements and changes in these programs. It will consist of a minimum of three members from each institution. At VT, the committee members will consist of representatives from each of the Graduate Committees of the *participating home departments* within the COE, plus one representative from the graduate committee of the VMRCVM. Thus, initially there will be six VT members. Recommendation for the acceptance of students will require a simple majority vote by the members of the committee at each institution. In the case where the vote results in a non-unanimous simple majority, the student will not be eligible to designate any declining voting member's department as their home department.

CBME: The Center for Biomedical Engineering (CBME) is currently a College of Engineering Center with its own stakeholders committee and serves as the research arm of the BME program. With the establishment of the school, the following changes are anticipated for the CBME: 1) the VT CBME will have negotiated indirect agreements, 2) WFU will form its own CBME, similar to the VT model, 3) by Phase III, the VT CBME and the WFU CBME may combine to form the SBES CBME.

5.3 Changes to the standard college review and decision making processes for P&T and annual evaluation

All SBES Faculty Members will be evaluated for promotion and tenure within their home departments. In the evaluation of Core SBES Faculty Members, the promotion and tenure committee shall include at least one Core SBES Faculty Member. If the home department does not have an eligible core member to serve on the P&T committee, an *ex-officio* member shall be appointed to the committee by the department chair. In the evaluation of SBES Faculty Members (core and affiliate), the P&T committees should consider all SBES teaching, research, and service activities as part of the faculty member's home departmental responsibilities. It is encouraged that a letter of recommendation provided by the Director of the School be included in their dossier.

5.4 Additional Resources Required to Establish SBES & Justification

5.4.1 Funding Basis

The initial operating VT budget for SBES will be directed towards the administrative personnel, operational expenses, and graduate student recruitment and retention. In addition, capital funds are anticipated for building space (see below under VT Institute for Critical Technologies (VTICT)).

The basic philosophy invoked in determining the appropriate resources to support these budget items is that 1) both schools will require either a director or a co-director from the existing tenured faculty members, 2) university new initiative funds are needed to facilitate the development of the school during the initial funding period, 3) the support of academic programs should be a core responsibility of each university; therefore, institutional funds are sought for long term support of these programs, and 4) long term support of research operations are to be obtained through indirect cost sharing agreements. Each funding source is described briefly below.

VTICT: The formation of VTICT represents a major investment into bioengineering with approximately \$18-20 million in capital funds for new building space and equipment.

CBME: In addition, it is expected that the CBME will have negotiated indirect cost sharing agreements that will be used to help support the operating costs of the program. After the operating requirements have been met it, is expected that any remaining funds will be used towards: 1) graduate student fellowships, 2) cost sharing for research proposals, and 3) special equipment purchases.

5.4.2 Capital Funds

As the SBES is intended to be a fundamental part of one of the five core areas of the Virginia Tech Institute of Critical Technologies initiative, a considerable capital investment is expected upon the establishment of the VTICT. This includes allotment of substantial permanent space in the proposed \$34 million Phase I building. Approximately 60,000 assignable square feet has been allotted to bioengineering efforts by the end of 2012. (Note that since the building has not been approved, rental space has been included in the budget.) Along with this space comes a capital investment for fixed equipment, with \$1-1.5 million being allocated during the first year alone. Furthermore, expansion space for the SBES will be provided in the MRI building at WFUSM.

5.4.3 Personnel at VT

In the following, Phase I is the initial 3 years, Phase II is the next 2 years, and Phase III is 5+ years.

Director & Assistant Director:

Funding Sources: *Phase I:* The success of the school requires a director and since many of the responsibilities will be related to the academic program, institutional funds are sought to provide funding for the director's position on an ongoing basis. During the initial operational period, new initiative funds have been sought from the Office of the Provost as discussed previously. *Phases II & III:* State funds will be sought to fully support this position after the initial period of operation.

Administrative Assistant: The responsibilities for this position will be to assist the Director in day-to-day operations of the School.

Funding Sources: *Phase I:* During the initial operational period, the Office of the Provost is expected to fund a portion of this position, with the remainder to be supported by the state and CBME indirect cost agreement distributions (to be negotiated). *Phases II&III:* After the second year, this position is expected to be supported by the state, and supplemented by CBME.

Graduate Student Coordinator: This position will initially be a part time position, changing to full time in Phase II.

Funding Sources: *Phase I:* This will be a part time position during Phase I. Since this position deals primarily with the academic aspects of the program, the funding for the position will be sought from the Commonwealth of Virginia. *Phases II&III:* This position will be converted to a full time position in Phase II; however the funding source will remain the same.

Financial Officer:

Funding Sources: *Phase I:* During the initial operational period, the Office of the Provost is expected to fund a portion of this position, with the remainder to be supported the state and CBME indirect cost agreement distributions (to be negotiated). *Phases II&III:* After the second year, this position is expected to be supported primarily by the CBME.

5.4.4 VT Operating Expenses

The projected operating expenses for the first ten year period are primarily directed towards: 1) initial office furnishings for SBES staff, 2) communications, including phone, mail, copying, and other telecommunication charges, 3) office equipment, software and maintenance, including computers, printers, copiers, etc., 4) travel, 5) sponsored research operations, 6) space rental, and 7) faculty special initiatives.

Funding Sources: *Phases I-III:* Throughout, these costs will be covered using a combination of state and CBME sponsored research and indirect costs (and VTICT, if funded).

5.4.5 VT Distance Learning

The costs associated with the distance learning efforts are for the renovation and maintenance of a designated classroom facility. Funds for the renovation of a classroom and operating costs long term support are being sought from the State.

Funding Sources: *Phases I-III:* State funds will be sought to cover these expenses.

5.4.6 VT Graduate Student Recruitment and Retention

The recruitment and retention of high quality graduate students is critical to the success of the SBES programs.

Funding Sources: *Phase I-III:* State funds are sought to fund several graduate assistantships and recruiting costs.

5.4.7 Additional staff resources and operating budgets requirements for VT

The successful formation of a SBES will require a moderate institutional commitment of resources through the Office of the Provost and Commonwealth funds. The success of the School, however, will be greatly enhanced if the VTICT is funded in full. The total capital and operating funds expected through VTICT over the first ten-year period exceed \$35 million. This substantial investment will provide SBES the opportunity to become one of the predominate programs for biomedical engineering in the nation. Regardless, the return on the investment of these funds is expected to be high, based on the nearly 13 to 1 return on the investment of COE CBME Pratt Foundation Funds in 2000-01 annual report.

5.5 WFUSM Support

The WFU School of Medicine is also extremely supportive of this initiative. The participating units have already pledged \$1.5M over the first three years in support of this program.

6 Proposed SBES Academic Programs

6.1 Instructional, research, and outreach program priorities

The instructional and research program priorities are aimed at establishing graduate Biomedical Engineering (BME) degree programs and facilitating collaborative related research efforts between VT and WFU, respectively. The instructional and research priorities will initially be focused in three primary areas: 1) biomechanics, 2) tissue and cell engineering, and 3) bioimaging and signal processing. Virginia Tech will take the lead on the programs in biomechanics and tissue and cell engineering, and Wake Forest University will take the lead in the bioimaging and signal processing area. In the latter, we expect the VT Department of Electrical and Computer Engineering to

Table 2. Projected Enrollments for Proposed BME Graduate Program.

Year	Case 1: Constant Increase		Case 2: Linearly Decreasing Increase	
	% Increase in New Enrollments	Projected Enrollments	% Increase in New Enrollments	Projected Enrollments
1	-	12 - 15	-	12 - 15
2	20%	26 - 33	45%	29 - 37
3	20%	44 - 55	35%	53 - 66
4	20%	52 - 66	25%	70 - 88
5	20%	63 - 79	15%	87 - 108

become a full participant and contribute in this area. We expect that other research and instructional areas, such as in biomaterials, bioinformatics, bionanotechnology, and biohazards, will be developed and formulated in the future. Currently, the biomaterials area is expected grow with the addition of new faculty. Finally, the initial primary outreach/service priority will be to establish the VT-WFU SBES effort as the main resource for biomedical engineering in the entire region (including SW Virginia, NW North Carolina and beyond).

6.2 Historical and projected enrollments

Current enrollments: Currently there are approximately 35 graduate students participating in the VT BME option program and 7 graduate students in the Medical Engineering program at WFU (these programs will both be replaced by the SBES BME program). The VT students come from the five participating departments (ChE, ESM, ISE, MSE, and ME).

Projected enrollments: Based on engineering enrollment trends published by the Engineering Workforce Commission of the American Association of Engineering Societies, graduate bioengineering enrollment has increased by over 200% over the past 20 years, compared with a 70% increase for graduate enrollment in all engineering fields. Specifically from 1997 to 1999, total bioengineering graduate enrollments increased over 10% per year, while enrollments for all engineering fields together dropped slightly.

The current average of the 2000 USN&WR top 20 BME programs (which we aim to be a part of) is 69 students. The predicted average enrollment for these programs in 5 years (assuming a conservative estimate of 7.5% growth per year based on past increases) is nearly 100 students. Based on these numbers and considering 1) the size of the graduate program in the College of Engineering at VT, 2) the current number of students currently in the program, and 3) the addition of Electrical and Computer Engineering to the program, it is projected that the SBES graduate programs will have an enrollment of 80 students in five years.

Relation to overall University trends: New enrollments to the on-campus College of Engineering graduate programs have increased from 281 to 401 from Fall 1998 to Fall 2000, with an increase of over 20% in the second year (from the 1999-2000 Virginia Tech Research and Graduate Studies Report to the Faculty). A second five-year enrollment projection for the BME program was completed based on these VT statistics for comparison with the nation-wide BME trend based prediction above. Two scenarios are shown in Table 2. Both assume an initial student enrollment of 12-15 students, based on the size of our existing program and number of new students expected in Fall 2001. In the first scenario, the percent increase in new enrollments is assumed to be constant, while it is assumed to linearly decrease in the second case. Based on these five-year predictions, which range from 63 to 108, the predicted enrollment of 80 students in five years is reasonable.

6.3 New Academic Degree Programs.

Several new graduate degree programs in Biomedical Engineering will be offered through the School. These degree programs will be jointly administered between Virginia Tech and Wake Forest University, and consequently the diplomas resulting from the successful completion of these programs will have signatures and seals from both institutions (as is done in the VMRCVM

programs; i.e., with VT and Univ. of Maryland). Thus, there are two aspects to be considered here: 1) the academic program policies to address the cross-institutional aspects of the program and the specific degree programs themselves. A description of each is provided below.

6.3.1 Academic Program Policies

In the administration of the dual campus academic programs, the policies and procedures previously developed through the formation of the VMRCVM degree programs will be utilized as appropriate. Additional policies will be developed as needed with the agreement of both institutions. The basic philosophy used here with regards to students is that each institution will be responsible for its own students, such that no funds are transferred between institutions. After the program has been established and in place for a while (e.g., 3 years), this policy will be re-evaluated to determine if changes need to be made to accommodate any unbalances in the number of students and program requirements between the two universities.

- **Graduate Student Policies and Records**

Admissions Policy: The VT Graduate School will initially receive all applications to the SBES Degree Programs. These applicants will be reviewed and assessed by the Graduate Committee of the SBES. Final acceptance will be completed according to the policies of each institution. Based on the recommendations of the Graduate Committee, the Director of the SBES will send letters of acceptance with the approval of the Dean of the Graduate School at the respective institution.

Home Institution and Department: Each graduate student's home institution will be determined by the institution of their respective advisor. Virginia Tech will be the initial home institution for any student entering into the program prior to specifying an advisor, unless requested otherwise. Once specified, graduate students will assume the same home department as their advisor, unless specifically requested otherwise. Along with the School, the home department will also receive credit for the graduate degrees.

Transcripts and Student Records: Transcripts will be maintained by the student's home institution through the office of the Registrar. If the student has not designated a home institution, Virginia Tech will serve in that role.

Registration: Students will register at their home institution. If one has not been designated, Virginia Tech will serve in that role. A policy for registration for non-BME courses will be formed with approval from each institution.

- **Intercampus Policies**

Institutional Cross Listing of SBES Courses and Credits: All SBES courses with the Biomedical Engineering (BME) designation will be cross listed between the two institutions, and BME courses offered on either campus will be jointly accepted at either campus as resident courses. Thus, all BME courses will be credited as taken in residency regardless where they are taken.

Institutional Acceptance of Non-BME Courses: Any non-SBES course taken as a part of a student's approved program of study will be credited as taken in residency regardless where they are taken.

Cross-Campus Course Offerings: All BME courses will be offered through the appropriate distance learning technologies at each institution if a minimum of one student from the sister institution desires to take any given course. Other non-BME courses will be offered at the sister institution, as demand requires.

Student Residency and Tuition: Students will be considered to be in residence at their home institution, regardless of where they take their courses or conduct research. Tuition will reside within the home institution.

6.3.2 Specific Degree Programs

The SBES will offer the following graduate degree programs:

- M.S. in BME
- Ph.D. in BME
- D.V.M./Ph.D.
- M.D./Ph.D.

These degree programs are currently being submitted for review by the usual governance procedures, and are outlined in the full proposal.

7 Proposed Evaluation Criteria

The evaluation criteria for the school will be as outlined in VT Policy 6150 as follows.

7.1 Evaluation Procedures

The SBES will be evaluated on a five-year cycle in a manner consistent with all academic units on campus. The evaluation will require a self-assessment of accomplishments by school representatives and an external panel review. Written reports from each group will be forwarded to the SBES Governing Board, who will discuss the evaluations with the school leadership prior to preparing a recommendation to continue or disestablish the school. The recommendation of the deans and supporting materials will be forwarded to the Provost for final approval.

The external panel shall be appointed by the SBES Governing Board and will consist of five members. Panel members will be drawn from departments not included within the colleges, members of the respective dean's offices, and at least one faculty member external to Virginia Tech but from a comparable school located at a peer university, such as Georgia Tech.

7.2 Evaluation Criteria

Reviews will be guided by the school's objectives and implementation plan, as well as by the relationship of the school's goals to the University Plan. Demonstrable evidence of accomplishments must be included in both the internal and external reviews. The evaluation will emphasize the degree to which the school has met the criteria and benefited the institution, with evidence such as active involvement of a critical mass of interdisciplinary faculty and students; contributions to enriching the education of students; effective interdepartmental collaboration with respect to teaching, research, and public service activities; and increased access to external resources. In addition, the review will address issues of administrative effectiveness and efficiency and fiscal management.

ATTACHMENT B
Virginia Tech-Wake Forest School of Biomedical Engineering & Sciences

New Resource Requirement

	Amount Per Position	FY 2003 Budget	
		FTE	Dollars
Personal Services			
Academic Faculty			
Academic Faculty (Tenure-track)			
Professor (Dir) AY Conversion	\$ 117,920	0.50	\$ 58,960
Professor (Director)	\$ 120,000	0.00	\$
Assoc. Prof. (CoE)	\$ 65,000	0.00	\$
Assoc. Prof. (CVM)	\$ 75,000	0.00	\$
Subtotal Academic Faculty		0.50	\$ 58,960
Administrative Faculty	\$	0.00	\$
Classified Staff			
Administrative Assistant	\$ 30,000	0.50	\$ 15,000
Grad Student Coordinator	\$ 30,000	0.50	\$ 15,000
Financial Officer	\$ 45,000	0.00	\$
Information Officer	\$ 28,600	0.00	\$
Subtotal Classified Staff		1.00	\$ 30,000
Graduate Student (1 FTE = 4 GTA's)	\$ 18,000	1.00	\$ 72,000
Fringes			\$ 23,130
Summer School Salaries			\$ 3,930
Fringes for Summer Salaries			\$ 668
Subtotal Personal Services		2.50	\$ 188,687
Nonpersonal Services			
Contractual Services			
Communications/postge/printing			\$ 10,495
Travel			\$ 12,000
Moving exp.for Res. Faculty	\$ 5,000		\$ 5,000
			\$
Supplies and Materials			\$
Office supplies/copier rental			\$ 15,500
Continuous Charges			
Space Rental or Renovations		1,542 sf	\$ 25,832
Equipment			
Faculty start-up packages	one-time		\$
Furniture	one-time		\$

Virginia Tech-Wake Forest School of Biomedical Engineering & Sciences

New Resource Requirement

	<u>Amount Per Position</u>	<u>FY 2003 Budget</u>	
		<u>FTE</u>	<u>Dollars</u>
Graduate Student Recruitment			\$ 10,000
Graduate Student Symposium			\$ 5,000
Graduate Tuition Scholarships	\$ 4,739		\$ 18,956
Distance Learning			
Classroom Renovations	one-time		\$ 108,000
Distance Learning Operations			\$ 11,000
Subtotal Nonpersonal Services			<u>\$ 221,783</u>
Total Operating Budget		<u>2.50</u>	<u>\$ 410,470</u>
One-time Operating			\$ 108,000
On-going Operating			<u>\$ 302,470</u>
Total Operating Budget			<u>\$ 410,470</u>

Wake Forest Commitment (planned) \$800,000

Financial Assumptions:

No salary increases.
All fringe benefits estimated @ 26%
No tuition increases.

School Demographics:

Graduate Student Enrollment (Head Count)	15.00	
Total Research Expenditures		\$402,228

Virginia Tech-Wake Forest School of Biomedical Engineering & Sciences

Strategic Plan New Resource Requirement

	Amount	FY 2004		FY 2005		FY 2006		FY 2007	
	Per Position	FTE	Dollars	FTE	Dollars	FTE	Dollars	FTE	Dollars
Personal Services									
Academic Faculty									
Academic Faculty (Tenure-track)									
Professor (Dir) AY Conversion	\$ 117,920	0.00	\$ -	0.00	\$ -	0.00	\$ -	0.00	\$ -
Professor (Director)	\$ 120,000	1.00	\$ 120,000	1.00	\$ 120,000	1.00	\$ 120,000	1.00	\$ 120,000
Assoc. Prof. (CoE)	\$ 65,000	2.00	\$ 130,000	3.00	\$ 195,000	3.00	\$ 195,000	3.00	\$ 195,000
Assoc. Prof. (CVM)	\$ 75,000	1.00	\$ 75,000	2.00	\$ 150,000	2.00	\$ 150,000	2.00	\$ 150,000
Subtotal Academic Faculty		4.00	\$ 325,000	6.00	\$ 465,000	6.00	\$ 465,000	6.00	\$ 465,000
Administrative Faculty	\$	0.00	\$ -	0.00	\$ -	0.00	\$ -		
Classified Staff									
Administrative Assistant	\$ 30,000	0.50	15,000	0.50	15,000	0.50	15,000	0.50	15,000
Grad Student Coordinator	\$ 30,000	0.50	15,000	0.50	15,000	0.50	15,000	0.50	15,000
Financial Officer	\$ 45,000	0.50	22,500	0.50	22,500	0.50	22,500	0.50	22,500
Information Officer	\$ 28,600	0.00	-	0.00	-	0.00	-	0.50	14,300
Subtotal Classified Staff		1.50	52,500	1.50	52,500	1.50	52,500	2.00	66,800
Graduate Student (1 FTE = 4 GTA's)	\$ 18,000	2.00	144,000	3.00	216,000	3.00	216,000	3.00	216,000
Fringes			98,150		134,550		134,550		138,268
Summer School Salaries									
Fringes for Summer Salaries			\$ -		\$ -		\$ -		\$ -
Subtotal Personal Services		7.50	\$ 619,650	10.50	\$ 868,050	10.50	\$ 868,050		
Nonpersonal Services									
Contractual Services									
Communications/postage/printing			\$ 14,310		\$ 14,310		\$ 14,310		\$ 16,490
Travel			\$ 12,480		\$ 12,979		\$ 13,498		\$ 14,038
Moving exp. for Res. Faculty	\$ 5,000		\$ 10,000		\$ 10,000		\$ 10,000		\$ 10,000
			\$		\$		\$		
Supplies and Materials			\$		\$		\$		
Office supplies/copier rental			\$ 9,200		\$ 7,844		\$ 9,494		
Continuous Charges									
Space Rental or Renovations		2,991 sf	\$ 50,093	3,931 sf	\$ 65,849	4,446 sf	\$ 74,468	5,101 sf	\$
Equipment			\$ -		\$ -		\$		
Faculty start-up packages	one-time		\$ 600,000		\$ 600,000		\$		\$
Furniture	one-time		\$ 7,500		\$ 2,500		\$		\$
Graduate Student Recruitment			\$ 10,400		\$ 10,816		\$ 11,249		\$ 11,669
Graduate Student Symposium			\$ 5,000		\$ 5,000		\$ 5,000		\$ 5,000
Graduate Tuition Scholarships	\$ 4,739		\$ 37,912		\$ 56,868		\$ 56,868		\$ 56,868
Distance Learning									
Classroom Renovations	one-time								
Distance Learning Operations			\$ 11,440		\$ 11,898		\$ 12,314		\$ 12,868
Subtotal Nonpersonal Services			\$ 768,335		\$ 798,064		\$ 807,061		\$ 831,929
Total Operating Budget		7.50	\$ 1,387,985	10.50	\$ 1,666,114	10.50	\$ 1,075,311	11.50	\$ 1,117,997
One-time Operating			\$ 607,500		\$ 602,500		\$ -		\$ 5,000
On-going Operating			\$ 780,485		\$ 1,063,614		\$ 1,075,311		\$ 1,112,997
Total Operating Budget			\$ 1,387,985		\$ 1,666,114		\$ 1,075,311		\$ 1,117,997
Wake Forest Commitment (planned)									
			450,000		500,000				

Financial Assumptions:

No salary increases.
All fringe benefits estimated at 26 percent
No tuition increases.

School Demographics:

Graduate Student Enrollment (Head Count)	34.00	56.00	67.00	79.00
Total Research Expenditures	\$ 1,261,588	\$ 2,372,395	\$ 3,115,765	\$ 3,896,781

STATUS REPORT ON WEST SIDE STADIUM EXPANSION PROJECT

August 26, 2002

In June 2002, the university recommended a delay in finalizing a decision regarding the West Side Stadium Expansion Project. This delay has provided us with an opportunity to analyze an alternative for the West Side Stadium project and to conduct a review of the costs, fund-raising opportunities, and financing requirements related to various proposals for the West Side project.

In evaluating the financial feasibility, the university considered the university's debt capacity, including all the projects that have been authorized or included in the 2002-08 Capital Plan. Further, additional analyses were reviewed relative to the approved capital projects that have a fund-raising component to determine the university's capability to raise the private support for these projects as well as the West Side proposals.

The evaluation of the West Side proposals has been completed. The university evaluated the revised cost estimates, the financing assumptions and requirements, and the estimated fund-raising capabilities. Further, the proposals were also reviewed in relation to the total project amount authorized for the South End Zone project.

After the thorough review and discussions with the Athletic Department and University Development, the university recommends that the West Side project be approved at the original project request of \$47.8 million. The university believes that this original concept and the project amount can be accomplished while still providing the university with a favorable debt capacity ratio and providing the university with the debt capacity needed to accomplish the funding requirements of the instructional and research facilities that have been authorized.

RECOMMENDATION: That the Board authorize the university to proceed with the original concept for the West Side Stadium Expansion project at a cost of \$47.8 million, once the university administration has confirmed the reasonableness of the fund-raising target in accordance with the cash flow requirements of the financing plan.

MINUTES

STUDENT AFFAIRS COMMITTEE OF THE BOARD OF VISITORS

Conference Room C
Donaldson Brown Hotel & Conference Center
8:30 a.m.
August 26, 2002

Present: Mr. Ronald Petera, Chair
Mr. Brian Montgomery
Mr. Joseph Wampler

Absent: Mr. Bruce Smith

Visitors: Dr. Landrum Cross, Mr. Mark Hunter, Dr. David Ostroth, Dr. Barbara Pendergrass, Ms. Donna Sanzenbach, Dr. Edward Spencer, Mr. Chris Wise

1. **Opening remarks, introduction of committee members, and approval of June 3, 2002, minutes.** Mr. Ronald Petera, Chair, provided opening remarks and introduced the committee members. Mr. Peter presented the minutes of the June 3, 2002, meeting to the committee for review and approval. The minutes were approved as submitted.
2. **Overview of the Division of Student Affairs.** Dr. Landrum Cross, Vice President for Student Affairs, presented the Division of Student Affairs' annual report and discussed the division's accomplishments in relation to the university's strategic plan. Some issues the division focused on last year include: developed a plan to increase services to graduate students; continued efforts to bring an international focus to student services at Virginia Tech; and continued to support the Residential Leadership Community by searching for stable, permanent funding for the program.
3. **Overview of the Dean of Students Office and Update on Summer Orientation.** Dr. Barbara J. Pendergrass, Dean of Students, gave an overview of the Dean of Students Office and the services they provide to the university: 1) *Emergency response and advocacy support*. They are the first-line response for students and parents, handling approximately 24,000 calls annually. 2) *Orientation*. Over 12,000 individuals attended orientation this summer. This number included parents/students attending freshmen orientation and transfer orientation. Freshmen orientation consisted of 12 sessions, beginning July 8 and ending July 26, and 95 percent of entering freshmen attended. The Transfer Orientation Program was offered on the three consecutive Mondays of July 8, 15, and 22, and 75 percent of transfer students attended. 3) *Parents Programs*. Their office coordinates Parents Day, Hokie Parents Newsletter, and recognition of Parent of the Year. 4) *Services for Students with Disabilities*. Approximately 500 students seek services annually. 5) *Multicultural Programs*. The Black Cultural Center and the Multicultural Center, both located in Squires Student Center, provide cultural awareness and education programs, opportunities to celebrate, and leadership development.

6) *Sexual Assault and Facts Education*. A collaborative effort with the Women's Center, this program offers community awareness programs and targeted education programs to groups on campus, such as athletes and Greeks. 7) *New Initiative*. The Dean of Students Office is coordinating a students' voice "Think Tank" group, consisting of 16 students who discuss issues that impact the study body as a whole.

4. **Overview of Residential and Dining Programs and Update on Fall Orientation.** Dr. Edward Spencer, Assistant Vice President for Student Affairs and Director of Residential and Dining Programs, gave an overview of his area of responsibilities and provided the following statistics: Virginia Tech has the 14th largest housing and the 11th largest dining programs in the country; 26 percent of our resident students live in one of our nine theme housing programs; services are provided with one of the lowest administrative staffing levels and room and board costs among comparable institutions; and Residential and Dining Programs facilities, programs, and staff are highly rated by students and have won numerous awards.

Dr. Spencer reported that the fall opening and orientation process went very smoothly, especially given that the four-day move-in process was started a day earlier this year in order to complete all fall opening events prior to the opening football game. He reviewed some of the key events that took place during Fall Orientation, e.g., Centralized Student Services, the Welcome Picnic, and the Opening Convocation. Unlike last year's opening, which saw about 400 more freshmen than expected and 170 students in temporary housing, this fall's opening includes some vacancies in the residence halls--the net result of the many projections which have to be made about acceptances, yields, and attrition. While these vacancies will create some budget challenges for Residential and Dining Programs, they do offer a more positive and flexible living environment in the residence halls.

Lastly, Dr. Spencer reviewed some of the new programs and projects in housing and dining. These include the opening of the first Cinnabon™ outlet on a college campus, the expansion of the very popular West End Market to a 7-day-per-week operation, the nearly completed electronic access control system for all residence halls, the furnishings replacement program, and the ever-increasing use of on-line technology to deliver better services to students at less cost.

5. **Presentation on Recreational Sports.** Dr. Dave Ostroth, Associate Vice President for Student Affairs and Director of University Unions and Student Activities, and Mr. Chris Wise, Associate Director of Recreational Sports, discussed the Department of Recreational Sports, its mission and programs. A video was shown giving an overview of the department's offerings for intramurals, club sports, fitness programs, aquatics, and open recreation. Statistics were presented to describe the high level of sports activities and some of the learning outcomes and other values of recreation to students. The level of activity in both McComas Hall and War Memorial Hall has increased significantly over the past few years. The presenters summarized current issues in Recreational Sports including the development of new playing fields, improvements in other facilities, and an upcoming program review by external consultants.

There being no further business, the meeting adjourned at 10:20 a.m.

RESOLUTION

August 26, 2002

WHEREAS, Gary P. Clisham was appointed to the Board of Virginia Polytechnic Institute and State University on July 1, 1998, to serve a four-year term ending June 30, 2002; and

WHEREAS, Mr. Clisham is a loyal and dedicated alumnus, having earned a Bachelor of Science degree in political science in 1975, and a master's degree in higher education administration in 1977; and

WHEREAS, during his years of service on the Board, Mr. Clisham participated as a member of the Student Affairs Committee from 1999 to 2000, serving as chair of the committee from 2001 to 2002, and by virtue of this role was a member of the Executive Committee from 2001 to 2002; and

WHEREAS, Mr. Clisham was also a member of the Academic Affairs committee from 1998 to 1999, and participated on the newly formed Special Committee on Research from 2000 to 2001, serving as this committee's chair from 2001 to 2002; and

WHEREAS, Mr. Clisham has demonstrated his commitment to the university through his support of Virginia Tech's athletic programs and university priorities, as exhibited by his membership in the *Ut Prosim* Society; and

WHEREAS, throughout his years of service, Gary Clisham has provided leadership and vision on behalf of the university's students and research mission; and

WHEREAS, the members of the Board have thoroughly enjoyed getting to know Gary and his wife, Cindy, and have enjoyed their company at Board meetings, athletic events, and other university functions;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University extend their deepest appreciation to Gary P. Clisham for dedicated service to his alma mater, and for his ongoing commitment to the university, its students, and its missions.

RECOMMENDATION:

That the above resolution recognizing Gary P. Clisham be approved.

RESOLUTION

August 26, 2002

WHEREAS, Donald W. Huffman was appointed to the Board of Virginia Polytechnic Institute and State University on July 1, 1994, to serve a four-year term ending June 30, 1998, and was subsequently re-appointed to serve another four-year term on July 1, 1998; and

WHEREAS, Mr. Huffman is a loyal and dedicated alumnus, having earned a Bachelor of Science degree in industrial engineering in 1950; and

WHEREAS, during his service on the Board, Mr. Huffman was responsible for the oversight of dozens of capital projects as a member of the Building and Grounds Committee, serving as its chair from 1999 to 2002, and by virtue of this role was a member of the Executive Committee from 1999 to 2002; and

WHEREAS, Mr. Huffman was also a member of the Special Committee on Research from 2000 to 2002 and served on the search committee to recommend Virginia Tech's 15th President; and

WHEREAS, Mr. Huffman's vision and leadership resulted in the successful establishment of the Virginia Center for Civil War Studies at Virginia Tech; and

WHEREAS, Mr. Huffman has demonstrated his ongoing commitment to the university through his membership in the German Club Foundation, his participation on the Virginia Center for Civil War Studies Advisory Board, and the Class of 1950 Reunion Committee; and

WHEREAS, Mr. Huffman has generously supported the university's academic and athletic programs, as evidenced by his membership in the Legacy Society and by his stature as a Golden Hokie; and

WHEREAS, the members of the Board have thoroughly enjoyed getting to know Don and his wife, Colleen, and have enjoyed their company at Board meetings, football games, bowl games, and other university special events;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University extend their deepest appreciation to Donald W. Huffman for his loyalty and devoted service to his alma mater, and for his long record of faithful dedication to the university and its missions.

RECOMMENDATION:

That the above resolution recognizing Donald W. Huffman be approved.

RESOLUTION

August 26, 2002

WHEREAS, Michael G. Miller was appointed to the Board of Virginia Polytechnic Institute and State University on July 1, 1998, to serve a four-year term ending June 30, 2002; and

WHEREAS, Mr. Miller is a graduate of Virginia Tech's College of Agriculture and Life Sciences, having earned a Bachelor of Science degree in agricultural economics in 1976; and

WHEREAS, during his four years of service to Virginia Tech's Board of Visitors, Mr. Miller served on the Finance and Audit Committee, lending his wise counsel to the fiscal matters of the university; and

WHEREAS, Mr. Miller has demonstrated his commitment to the university through his generous support of Virginia Tech's Alumni and Conference Center, College of Agriculture and Life Sciences, and athletic programs; and

WHEREAS, Mr. Miller has lent his expertise and time to the university through his leadership as chair of the College of Agriculture and Life Sciences' Alumni Board of Directors and as former secretary and president of the Virginia Tech Agriculture Alumni Association; and

WHEREAS, the members of the Board have thoroughly enjoyed getting to know Mike and his wife, Rene, and have enjoyed their company at Board meetings, athletic events, and other university functions;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University extend their deepest appreciation to Michael G. Miller for his significant contributions and dedicated service to the university and its missions.

RECOMMENDATION:

That the above resolution recognizing Michael G. Miller be approved.

RESOLUTION

August 26, 2002

WHEREAS, James E. Turner, Jr. was appointed to the Board of Virginia Polytechnic Institute and State University on July 1, 1994 to serve a four-year term ending June 30, 1998, and was subsequently re-appointed to a second four-year term on July 1, 1998; and

WHEREAS, Mr. Turner was elected by his peers to serve as Rector of the Board from July 1, 1997 until June 30, 2002, and by virtue of this position, also served as chair of the Executive Committee from July 1997 to June 2002, following a year as chair of the Finance and Audit Committee; and

WHEREAS, his tenure as Rector was marked by the achievement of several milestones, the most significant of which were the naming of the university's 15th president, the update of the university's strategic plan, the re-structuring of the university, and the naming of the first building on campus to honor two African-American students; and

WHEREAS, James Turner is a loyal and dedicated alumnus, a member of the Class of 1956, having earned a Bachelor of Science degree with honors in Agricultural Engineering; and

WHEREAS, testament to his extensive dedication to the university and its programs are his many years of service and leadership on the Engineering Committee of 100, the Virginia Tech Foundation Board, and the Engineering Advisory Committee, and his generosity as recognized by his distinction as a Full Scholarship Hokie in athletics and as a member of the Legacy Society and the *Ut Prosim* President's Circle; and

WHEREAS, the members of the Board have thoroughly enjoyed Jim and Elizabeth's company at Board meetings, football games, and other university functions to which they have added immeasurably by their charm, wit, and good favor;

NOW, THEREFORE, BE IT RESOLVED, that the members of the Board of Visitors of Virginia Polytechnic Institute and State University extend their deepest appreciation to James E. Turner, Jr. for his deep loyalty and devoted service to his alma mater; for his wise counsel and astute leadership; for his long record of faithful dedication to the university, its students, and its missions; and for his advocacy to promote greater understanding of and support for the needs of higher education across the Commonwealth of Virginia.

RECOMMENDATION:

That the above resolution recognizing James E. Turner, Jr. be approved.

RESOLUTION FOR EMERITA STATUS
August 26, 2002

WHEREAS, Llewellyn S. Allison faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, as an extension agent providing 4-H Youth, and Family and Consumer Sciences educational programs in Fauquier and Accomack Counties, she developed and expanded the 4-H camping program during her 10-year tenure in Fauquier County; and

WHEREAS, between 1988-1993, she provided leadership to the AARP Medicare/Medicaid Assistance Program and Master Finance Volunteer Program, providing training for 14 volunteers who assisted 1,150 individuals with their money management and budgeting concerns; and

WHEREAS, she designed, implemented and evaluated nutrition and wellness programming addressing the needs in the workplace and in the community; and

WHEREAS, she implemented a food safety and sanitation program to teach foodservice workers and families safe food-handling skills; and

WHEREAS, she made a positive difference to families of Virginia, received numerous awards and honors including the Distinguished Service Award from the National Association of Extension 4-H Agents and National Extension Association of Family and Consumer Sciences, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Llewellyn S. Allison for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Llewellyn S. Allison for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. John A. Barden faithfully served Virginia Tech for 39 years in the College of Agriculture and Life Sciences, beginning in 1963; and

WHEREAS, as a member of the faculty of the Department of Horticulture, he served diligently as an undergraduate and graduate student advisor over the years, and he made contributions of lasting value to his colleagues in the department, college, and university, as well as to the citizens of Virginia, and beyond; and

WHEREAS, he devoted his career to assisting the Virginia apple industry by performing research that led to improved pruning and tree training practices, plant growth regulator use, and selection of rootstock and orchard systems, passing the information to the industry by writing trade journal articles and by participating in meetings and field days; and

WHEREAS, he held many offices in professional societies, was elected a Fellow of the American Society for Horticultural Science, and received several other honors and awards, including the L. M. Ware Distinguished Teaching Award, Gamma Sigma Delta Teaching Award of Merit, and Outstanding Virginia Horticulturalist;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. John A. Barden for his service to the university with the title of Professor Emeritus of Horticulture.

RECOMMENDATION:

That the above resolution recommending Dr. John A. Barden for emeritus status be approved.

RESOLUTION FOR EMERITA STATUS
August 26, 2002

WHEREAS, Carolyn R. Bass faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, as an extension agent who attained the rank of Senior Extension Agent, she provided co-leadership for the Roanoke Valley 4-H program; and

WHEREAS, she was instrumental in bringing "CHARACTER COUNTS!" to Roanoke County and Salem by training teachers, DARE officers, childcare providers, and others thereby reaching over 20,000 youth per year; and

WHEREAS, she provided leadership training to 450 teens, including at-risk and physically-challenged youth, enabling them to serve as teen volunteers for 4-H camp; and

WHEREAS, she was instrumental in organizing community initiatives such as the Coalition for Community Awareness of Teenage/Youth Suicide and "Making the Grade" in Roanoke; and

WHEREAS, she developed a 4-H mini-camp program to provide camping experiences for approximately 100 youth annually who were unable to attend summer camp; and

WHEREAS, she consistently obtained private funds to provide camp scholarships for needy youth and worked with parents of children who were at risk or had special needs to make 4-H camps inclusive; and

WHEREAS, she received the National Association of Extension 4-H Agents Distinguished Service Award, the Virginia Association of 4-H Volunteer Leaders' 1990 Outstanding Agent Working with Adult Volunteers Award, and the mid-career, individual, and unit staff awards from Epsilon Sigma Phi;

THEREFORE, be it resolved that the Board of Visitors recognizes Carolyn R. Bass for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Carolyn R. Bass for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. John M. Bowen faithfully served Virginia Tech for 15 years in the Virginia-Maryland Regional College of Veterinary Medicine, beginning in 1986; and

WHEREAS, as a member of the faculty of the Department of Large Animal Clinical Sciences, he was a dedicated teacher of a variety of courses in both the undergraduate curriculum of the College of Agriculture & Life Sciences, and the professional curriculum of the Virginia-Maryland Regional College of Veterinary Medicine; and

WHEREAS, he advised and counseled numerous undergraduate, veterinary students, and graduate students during his career; and

WHEREAS, he contributed to the college's research program in the area of theriogenology and authored numerous refereed and extension publications; and

WHEREAS, he made significant contributions to the college's extension and continuing education programs by serving as an equine specialist and as Director of Continuing Education, and by providing guidance and leadership in these missions of the college; and

WHEREAS, he served as Department Head of Large Animal Clinical Sciences from 1987 to 1992, guiding the academic development of the faculty, and developing the programmatic directions for the department; and

WHEREAS, he served on numerous local, regional, national, and international committees of professional associations;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. John M. Bowen for his service to the university with the title of Professor Emeritus of Large Animal Clinical Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. John M. Bowen for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Daniel E. Brann faithfully served Virginia Tech for 27 years in the College of Agriculture & Life Sciences, beginning in 1975; and

WHEREAS, as a member of the faculty in the Department of Crop & Soil Environmental Sciences (CSES), and in its predecessor, the Department of Agronomy, he was a dedicated professor and extension specialist who provided widely acclaimed service to the grains industry in Virginia and the mid-Atlantic region; and

WHEREAS, his service to the grain-crop production, marketing, and processing industry resulted in outstanding educational programs that improved production efficiency, enhanced environmental awareness, and helped to increase market opportunities for the grains industry; and

WHEREAS, his service was recognized by numerous awards, including the Virginia Tech Alumni Award for Extension Excellence, "Man of the Year" in Service to Virginia Agriculture (*Progressive Farmer Magazine*), Virginia Extension Service Award (Virginia Agribusiness Council), Extension Excellence Award (National Association of Wheat Growers), Virginia Corn Growers Association Award for Outstanding Service, and Excellence in Extension Award (Virginia Soybean Association); and

WHEREAS, he provided outstanding support and assistance to other faculty members, the department and the college as extension project leader;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Daniel E. Brann for his service to the university with the title of Professor Emeritus of Crop & Soil Environmental Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. Daniel E. Brann for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Stanley R. Burke faithfully served Virginia Tech for 17 years in the College of Agriculture & Life Sciences, beginning in 1985; and

WHEREAS, he was an outstanding teacher and advisor in the Department of Agricultural & Extension Education; and

WHEREAS, his research work has been instrumental in the enhancement of agricultural mechanics, especially laboratory safety, and his accomplishments and service to agricultural education, especially with the Future Farmers of America, have received national recognition; and

WHEREAS, his service to the profession of agricultural education has included work as a classroom teacher and an area supervisor, always keeping in mind that the student clientele was his foremost responsibility; and

WHEREAS, his academic contributions have brought national leadership status to the Department of Agricultural and Extension Education;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Stanley R. Burke for his service to the university with the title of Associate Professor Emeritus of Agricultural & Extension Education.

RECOMMENDATION:

That the above resolution recommending Dr. Stanley R. Burke for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Glenn R. Buss faithfully served Virginia Tech for 35 years in the College of Agriculture & Life Sciences, beginning in 1967; and

WHEREAS, as a member of the faculty of the Department of Crop & Soil Environmental Sciences, and its predecessor, the Department of Agronomy, he was a dedicated researcher and teacher of plant genetics and breeding; and

WHEREAS, he advised and counseled numerous graduate students as members of their committees, while directing 13 masters and 11 doctoral students; and

WHEREAS, he made significant contributions in his early career to research in the areas of breeding and genetics of pest- and disease-resistant cultivars of alfalfa, and soybeans, having released 2 alfalfa cultivars and 26 soybean cultivars and germplasm releases, including one of the most successful and widely grown publicly developed cultivars in the world, and he has made significant advances in breeding more desirable and healthy cultivars for direct human consumption, and bringing in royalties and research fees of nearly \$3 million dollars to Virginia Tech from his breeding programs; and

WHEREAS, he was an internationally recognized authority on the genetics of resistance to one of the world's major soybean diseases – soybean mosaic virus; and he produced 50 refereed journal articles; and

WHEREAS, he was named Associate Editor of Crop Science, was elected to serve on several national committees of the Crop Science Society of America, and was recognized by the Virginia Soybean Board with a Meritorious Service Award;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Glenn R. Buss for his service to the university with the title of Professor Emeritus of Crop & Soil Environmental Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. Glenn R. Buss for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Robert Michael Chandler faithfully served Virginia Tech for 27 years in the College of Agriculture & Life Sciences, beginning in 1975; and

WHEREAS, as Professor and extension specialist in community growth and development, he developed and conducted cooperative extension institutes and certification programs for planning commissioners, zoning-board members, mayors, county-board chairpersons, and newly elected local-government officials in the Commonwealth of Virginia; and

WHEREAS, he is recognized nationally and internationally for his expertise in community planning, and his programs have directly affected the governance of nearly every local and regional governmental unit within the Commonwealth; and

WHEREAS, he has served as President of the Virginia Chapter of the American Planning Association and as a member of the Board of Directors of the American Planning Association; and

WHEREAS, he empowered elected and appointed officials throughout the Commonwealth to apply rigorous and objective analytical tools in regulating land-use planning and economic growth;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Robert Michael Chandler for his service to the university with the title of Professor Emeritus of Agricultural & Applied Economics.

RECOMMENDATION:

That the above resolution recommending Dr. Robert Michael Chandler for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Eugene M. Cliff faithfully served Virginia Tech for 31 years in the College of Engineering, beginning in 1971; and

WHEREAS, as a member of the faculty in the Department of Aerospace & Ocean Engineering, he was a dedicated teacher of a wide range of courses from the freshman to the advanced graduate level, consistently receiving among the highest student evaluations in the department; and

WHEREAS, he advised and counseled numerous undergraduate and graduate students during his long career, including 12 doctoral students; and

WHEREAS, he made significant contributions in research in aerospace engineering and applied mathematics in the areas of trajectory optimization, aircraft guidance and control, super-maneuverability, control of structures, fluid-flow control, and aerodynamic shape design and optimization, authoring approximately 150 publications in the course of this work, and receiving the 1999 Dean's Award for Excellence in Research; and

WHEREAS, he served in a number of national professional technical societies, including the American Institute of Aeronautics and Astronautics, Institute of Electrical and Electronic Engineers, Society of Industrial and Applied Mathematics; and he was an associate editor of the *Journal of Guidance, Control and Dynamics*; and

WHEREAS, he was appointed as the Reynolds Metals Professor of Engineering, and was the co-founder and associate director of the Virginia Tech Interdisciplinary Center for Applied Mathematics;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Eugene M. Cliff for his service to the university with the title of Professor Emeritus of Aerospace & Ocean Engineering.

RECOMMENDATION:

That the above resolution recommending Dr. Eugene M. Cliff for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Michael J. Clifford faithfully served Virginia Tech for 31 years in the Virginia Cooperative Extension Service, beginning in 1971; and

WHEREAS, as an extension agent providing 4-H youth education programs in Amelia and Nottoway Counties, he provided exceptional leadership in the development, delivery, and maintenance of numerous 4-H natural resource and outdoor educational programs; and

WHEREAS, in 1997, he was awarded the Alumni Award for Excellence in Extension for his leadership and outstanding programming efforts in the area of 4-H Youth Development; and

WHEREAS, he consistently obtained private funds to send at-risk youth to 4-H camp throughout his career; and

WHEREAS, he served his profession well, holding numerous offices in his professional associations, including president of the Virginia Association of Extension 4-H Agents; and

WHEREAS, he made a positive difference in Amelia and Nottoway Counties, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Michael J. Clifford for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Michael J. Clifford for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Charles W. Coale faithfully served Virginia Tech for 33 years in the College of Agriculture & Life Sciences, beginning in 1969; and

WHEREAS, he effectively served as a member of the faculty in the Department of Agricultural & Applied Economics where he conducted extension and research programs in agribusiness and agricultural marketing; and

WHEREAS, he developed and conducted marketing educational programs in perishable food products, farm equipment, farm-based value-added direct sales, and commercial fish/shellfish; and

WHEREAS, he published widely in professional and industry journals and was recognized nationally and internationally for his expertise in agribusiness and direct marketing; and

WHEREAS, he worked directly with undergraduate and graduate students and industry leaders to develop and implement an undergraduate internship program and an agribusiness option in the Agricultural & Applied Economics M.S. program; and

WHEREAS, he served on the Executive Committee of Virginia Tech's CFAST program and led efforts to develop viable aquaculture markets; and

WHEREAS, he conducted research on innovative methods for performing "market window" feasibility studies for fresh fruits and vegetables;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Charles W. Coale for his service to the university with the title of Professor Emeritus of Agricultural & Applied Economics.

RECOMMENDATION:

That the above resolution recommending Dr. Charles W. Coale for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Charles W. Conner faithfully served Virginia Tech for 28 years in the Virginia Cooperative Extension Service, beginning in 1974; and

WHEREAS, during his tenure as an extension agent providing commercial horticulture education programs in the Southwest Extension District, he significantly increased the economic well being of producers of horticultural crops in Southwest Virginia; and

WHEREAS, he was instrumental in developing and promoting integrated pest management practices, significantly reducing pesticide usage, minimizing erosion, and protecting water and the environment; and

WHEREAS, he consistently obtained grant funds to support commercial horticultural research needs relevant to Southwest Virginia; and

WHEREAS, he made a positive difference in Southwest Virginia, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Charles W. Conner for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Charles W. Conner for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. James R. Craig faithfully served Virginia Tech for 32 years in the College of Arts & Sciences, beginning in 1970; and

WHEREAS, as a member of the faculty in the Department of Geological Sciences, he was a dedicated teacher of a wide range of courses from the freshman to the advanced graduate level; and

WHEREAS, he served as assistant department chair and later department chair, and he advised and counseled numerous undergraduate and graduate students during his long career, including 26 masters degree students and 7 doctoral degree students; and

WHEREAS, he made significant contributions in geological sciences education and research, with emphasis in mineralogy, by authoring or co-authoring 13 books and guidebooks, and 139 articles and book chapters, and 158 abstracts; and

WHEREAS, he served in a number of national professional technical societies, including being a Fellow of the Mineralogical Society of America and Society of Economic Geologists; and

WHEREAS, he received many teaching excellence honors and awards during his tenure, including most recently the prestigious Outstanding Faculty Award from the State Council of Higher Education for Virginia;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. James R. Craig for his service to the university with the title of Professor Emeritus of Geological Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. James R. Craig for emeritus status be approved.

RESOLUTION FOR EMERITA STATUS
August 26, 2002

WHEREAS, Susan E. Craik faithfully served Virginia Tech for 27 years in the Virginia Cooperative Extension Service, beginning in 1975; and

WHEREAS, as an extension agent providing horticulture education programs in Chesterfield County; and for 22 years, she led the Chesterfield County's Waste Management Priority in coordinating county and community services by training volunteers and providing educational programs to youth and adults in recycling, litter prevention, and composting; and

WHEREAS, from 1998-2002, she administered a water-quality grant to implement the Grass Roots developmental education program, and by using trained volunteers, this program annually taught 150 homeowners how to reduce nutrient overloading on lawns that can result in water-quality improvement and protection of the Chesapeake Bay; and

WHEREAS, she effectively planned and conducted integrated pest -management programming to teach the public how to economically and effectively reduce water pollution, soil erosion, and air pollution associated with urban development; and

WHEREAS, she consistently obtained private funds to enhance the completion of the extension program development model and to extend her work by adding staff members; and

WHEREAS, she made a positive difference in ChesterfieldCounty, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Susan E. Craik for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Susan E. Craik for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Charles K. Curry faithfully served Virginia Tech for 26 years in the Virginia Cooperative Extension Service, beginning in 1976; and

WHEREAS, as an extension agent providing horticulture education programs in Henrico County, he represented Virginia Cooperative Extension on WRVA radio for over 24 years, teaching listeners how to protect the environment on programs heard by over 80,000 persons in the Richmond area; and

WHEREAS, during his tenure, he consistently increased financial support from Henrico County, including funding for the addition of two extension agents and an urban horticulture educator; and

WHEREAS, he annually presented pesticide safety education to farmers, tree growers, nurserymen, and greenhouse operators making it possible for them to receive certification to legally conduct business and apply pesticides in a safe and economical way; and

WHEREAS, he initiated the Henrico Master Gardener Program in 1981 to meet the overwhelming demand for non-biased research-based information in the Richmond Metropolitan area which contributed over 100,000 hours of volunteer time to extend his work to improve the environment; and

WHEREAS, he developed the Computerized Horticultural Information Program (CHIP), used by master gardeners and citizens to access horticulture information; and

WHEREAS, he made a positive difference in Henrico County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Charles K. Curry for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Charles K. Curry for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, David R. Danner faithfully served Virginia Tech for 33 years in the Virginia Cooperative Extension Service, beginning in 1969; and

WHEREAS, during his tenure as an extension agent providing agricultural extension programs as well as programs for the youth in the Southwest Extension District, he significantly increased the economic well being of producers of agricultural products in Southwest Virginia; and

WHEREAS, he was instrumental in developing and promoting the Bland/Wythe Master Gardener program; and

WHEREAS, he established and implemented the first Bland County 4-H Interstate Exchange program, which has continued for twenty-two years to provide Bland County youth with the opportunity to learn more about 4-H clubs in other parts of the United States; and

WHEREAS, he was instrumental in establishing the corn test variety plots in Wythe County to provide valuable crop yields to assist producers in their selections; and

WHEREAS, he made a positive difference in Southwest Virginia, won numerous district, state, and national awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes David R. Danner for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending David R. Danner for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Gary C. DeOms faithfully served Virginia Tech for 31 years in the Virginia Cooperative Extension Service, beginning in 1971; and

WHEREAS, as an extension agent who attained the rank of Senior Extension Agent, he provided leadership to commercial fruit, greenhouse, nursery, forestry, and turf programs; he organized the Virginia Championship Apple Butter Contest; and he provided distinguished service to thirteen college and extension committees; and

WHEREAS, he conducted twenty-three commercial fruit-grower tours to every major fruit-producing area in the U.S. and Canada and was awarded the FFA Honorary Chapter Farmer and Rotary Club Vocational Award; and

WHEREAS, he was instrumental in forming the Northern Shenandoah Valley Bee Keepers Association, the Shenandoah Valley Nursery and Greenhouse Association, and the Shenandoah Valley Turf Grass Association; and

WHEREAS, he was instrumental in introducing new horticulture enterprises to producers in the Shenandoah Valley to increase farm profitability; and

WHEREAS, he was awarded the Distinguished Service Award by the National Association of County Agriculture Agents, the Outstanding Achievement Award by Epsilon Sigma Phi, and the Outstanding Service Award by the Frederick County Farm Bureau;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Gary C. DeOms for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Dr. Gary C. DeOms for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Stephen J. Donohue faithfully served Virginia Tech for 28 years in the College of Agriculture & Life Sciences, beginning in 1974; and

WHEREAS, as a member of the faculty in the Department of Crop & Soil Environmental Sciences, and in its predecessor, the Department of Agronomy, he was a dedicated extension specialist who provided service to the agribusiness and horticultural industries and associated clientele; and

WHEREAS, throughout this time he directed the operations of the Virginia Tech Soil Testing Laboratory in serving the needs of Virginia's diverse clientele; and

WHEREAS, he instructed many practicing professionals and students in the field of soil fertility, plant nutrition, crop fertility, and liming, and produced over 120 extension and research publications; and

WHEREAS, he served in many important roles in regional, national, and international organizations, including the Council on Soil Testing and Plant Analysis, the American Society of Agronomy, and Gamma Sigma Delta;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Stephen J. Donohue for his service to the university with the title of Professor Emeritus of Crop & Soil Environmental Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. Stephen J. Donohue for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Richard E. Ebel faithfully served Virginia Tech for 25 years in the College of Agriculture & Life Sciences, beginning in 1977; and

WHEREAS, as a teacher, he enabled students to achieve the quantitative thinking, observation skills, and deductive reasoning that are essential to the process of discovery, employing state-of-the-art instrumentation and protocols to engage students in learning and applying the methodology of biochemistry in the laboratory environment of experiential, hands-on learning; and

WHEREAS, he formalized the manual for the laboratories in the department of biochemistry and, with Dr. Kent Stewart, authored the laboratory text Chemical Measurements in Biological Systems published by John Wiley & Sons in 2001, which will guide positively the education of students for many years; and

WHEREAS, he contributed effectively to undergraduate education and was an expert advisor who assisted students at all levels to understand how best to manage their curriculum and prepare for a career, serving on the departmental undergraduate committee for over 15 years and positively impacting curriculum development, program assessment, and recognition of student accomplishment; and

WHEREAS, he contributed to the understanding of structure and function of metal ions, particularly in the iron-heme, cytochrome P-450 proteins, and their role in detoxifying foreign compounds in organisms, with scholarship providing valued insights to colleagues and graduate students throughout his career; and

WHEREAS, as an expert in research methods of toxicology, he developed and evaluated protocols for the acceptable use of animals in research, serving on the University Animal Care Committee as a valued member for over 16 years and working with the administration in the development of procedures consistent with federal guidelines that secured the successful use of animals in research at the university;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Richard E. Ebel for his service to the university with the title of Associate Professor Emeritus of Biochemistry.

RECOMMENDATION:

That the above resolution recommending Dr. Richard E. Ebel for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Richard M. Eisler faithfully served Virginia Tech for 25 years in the College of Arts & Sciences, beginning in 1977; and

WHEREAS, he effectively served as a member of the faculty in the Department of Psychology, specializing in research on clinical psychology, gender roles and health, and men's issues; and

WHEREAS, he served as Director of Clinical Training for seven years and played a key leadership role in developing the clinical psychology graduate program into a nationally known doctoral program; and

WHEREAS, he served as Director of the Psychological Services Center for 12 years and was instrumental in the development of training clinics for clinical psychology graduate students and in provision of psychological services to residents of the New River Valley; and

WHEREAS, he served as chair of more than 20 masters and doctoral student advisory committees and as a member of numerous other graduate advisory committees for psychology students; and

WHEREAS, he specialized in teaching essential courses in intervention in psychological systems, psychopathology, gender roles, and abnormal psychology, and supervised dozens of clinical psychology graduate students in clinical practicum training; and

WHEREAS, he was an early pioneer in clinical psychology and behavior modification, with more than 100 published journal articles, books, and book chapters, including thirty volumes of the respected *Progress in Behavior Modification* series;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Richard M. Eisler for his service to the university with the title of Professor Emeritus of Psychology.

RECOMMENDATION:

That the above resolution recommending Dr. Richard M. Eisler for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, S. Joe Fariss faithfully served Virginia Tech for 31 years in the Virginia Cooperative Extension Service, beginning in 1971; and

WHEREAS, as an extension agent providing agriculture programs in Mecklenburg County, he took the leadership in the development and approval of Planning District 13 and 14 pesticide-certification to assure all producers met their licensing requirements; and

WHEREAS, he obtained over \$28,000 in external funding to enhance his extension educational programs; and

WHEREAS, he consistently worked to assure that extension programs and assistance were available to all residents of Mecklenburg County and Southside Virginia; and

WHEREAS, he made a positive difference in Mecklenburg County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes S. Joe Fariss for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending S. Joe Fariss for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Chester L. Foy faithfully served Virginia Tech for 36 years in the College of Agriculture & Life Sciences, beginning in 1966; and

WHEREAS, as a member of the faculty in the Department of Plant Pathology, Physiology & Weed Science, and he was a dedicated teacher of a wide range of courses at the graduate level, and he advised and counseled numerous graduate students, serving as the graduate advisor for 41 masters degree students and 13 doctoral degree students; and

WHEREAS, he made significant contributions in research on crop production and protection, vegetation management in agronomic and fruit crops, and control of specific perennial weeds, obtaining funding for Virginia Tech for this research in excess of \$350,000 from numerous sponsors; and

WHEREAS, he served in a number of national professional technical societies as an officer, editor, and/or reviewer, he spoke at numerous national and international, university, and industry professional societies and groups, and he chaired and hosted two international symposia; and

WHEREAS, he received numerous awards and honors including a Lifetime Membership in the Association of Formulation Chemists, election to membership in numerous academic honorary societies, WSSA Fellow (1980), SWSS first "Weed Scientist of the Year Award: (1984), WSSA Outstanding Researcher Award, IWSS Outstanding Award-Developed Countries (1996), Gamma Sigma Delta International Award for Distinguished Achievement in Agriculture (1998), and Phi Beta Delta Faculty International Service Award (1999);

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Chester L. Foy for his service to the university with the title of Professor Emeritus of Plant Pathology, Physiology & Weed Science.

RECOMMENDATION:

That the above resolution recommending Dr. Chester L. Foy for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Joseph J. Franchina faithfully served Virginia Tech for 33 years in the College of Arts & Sciences, beginning in 1969; and

WHEREAS, he effectively served as a member of the faculty in the Department of Psychology, specializing in experimental research on learning and motivation; and

WHEREAS, he served on numerous departmental governance committees and contributed to the growth and development of the Department of Psychology; and

WHEREAS, he provided leadership to the graduate programs in the applied experimental psychology and psychological sciences graduate programs, serving as chair of 24 undergraduate honors, masters, and doctoral student advisory committees and as a member of many other advisory committees for students in these programs; and

WHEREAS, he specialized in teaching courses in research methods, learning, and motivation, garnering high student teaching ratings and regular student comments indicating his excellence as a teacher; and

WHEREAS, he established an innovative and collaborative research program with colleagues from the Veterans Administration Medical Center in Salem, Virginia, and with faculty and graduate student colleagues in the Department of Psychology;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Joseph J. Franchina for his service to the university with the title of Professor Emeritus of Psychology.

RECOMMENDATION:

That the above resolution recommending Dr. Joseph J. Franchina for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, David L. Gardner faithfully served Virginia Tech for 25 years in the Virginia Cooperative Extension Service, beginning in 1977; and

WHEREAS, during his tenure as an extension agent providing agricultural education programs, specializing in animal science in Floyd County and the New River Valley, he significantly contributed to the improved livestock income of Floyd County farmers by providing educational programs resulting in the adoption of management practices that increased per animal income 20% above the average for Virginia; and

WHEREAS, he was among the first agricultural extension agent to recognize the importance of nutrient management plans for individual farmers, assisting twelve producers to develop a plan for their farming operations; and

WHEREAS, he was a leader in the team efforts of the agriculture and natural resources extension agents to provide timely educational programs to the agricultural producers in the New River Valley; and

WHEREAS, he was a strong supporter of the importance of working with the area youth to develop their skills and abilities through both FFA and 4-H programs;

THEREFORE, be it resolved that the Board of Visitors recognizes David L. Gardner for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending David L. Gardner for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Wolfgang G. Glasser faithfully served Virginia Tech for 30 years in the College of Natural Resources, beginning in 1972; and

WHEREAS, as a member of the faculty in the Department of Wood Science & Forest Products, and in its predecessor, the Department of Forestry & Forest Products, he was a dedicated teacher of a wide range of courses from the freshman to the advanced graduate level, and he advised and counseled numerous undergraduate and graduate students, serving as the graduate advisor for 50 masters and 14 doctoral students as well as post-doctoral research fellows; and

WHEREAS, he made significant contributions in research on the chemistry and chemical utilization of wood and wood components, in the chemical modification of wood, cellulose, lignin and other polysaccharides, and in the utilization of wood components in plastics, adhesives, and composites; he authored more than 200 refereed publications; he obtained 14 U. S. Patents; he edited 4 books; and in the course of this work, he obtained funding for Virginia Tech for this research in excess of \$ 5,000,000 from numerous sponsors; and

WHEREAS, he served in a number of national professional societies and received the 1974 George Olmsted Award by the American Paper Institute (API), the 1986 Scientific Achievement Award by the International Union of Forestry Research Organizations (IUFRO), and the 2000 Anselme Payen Award by the Cellulose, Paper and Textile Division of the American Chemical Society (ACS); was elected Fellow of the International Academy of Wood Sciences; and he served on the Editorial Boards of four international technical journals, and as Editor-in-Chief of *CELLULOSE*; and

WHEREAS, he was the founder and director from 1988 to 1992 of the CIT Center for Biobased Materials;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Wolfgang G. Glasser for his service to the university with the title of Professor Emeritus of Wood Science & Forest Products.

RECOMMENDATION:

That the above resolution recommending Dr. Wolfgang G. Glasser for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Charles M. Good, Jr., faithfully served Virginia Tech for 30 years in the College of Arts & Sciences, beginning in 1972; and

WHEREAS, while serving first as the program chair for Geography, and later as the first head of the Department of Geography, he devoted substantial energy and imagination to the development of B.A. and M.S. degrees in Geography; and

WHEREAS, as a member of the faculty of the Department of Geography, he was a dedicated teacher who developed original courses in his field and taught a wide range of courses from the freshman to the advanced graduate level; and

WHEREAS, he advised and counseled numerous undergraduate and graduate students during his long career, including service as faculty advisor for the African Students Association, as graduate advisor for 14 masters degree students, and as a member of the committees for many graduate students in Geography and in other departments and colleges; and

WHEREAS, he is author of numerous publications in professional journals, as well as two books, Ethnomedical Systems in Africa: Patterns of Traditional Medicine in Rural and Urban Kenya, and The Community in African Primary Health Care; and

WHEREAS, he served in national professional societies, including service as Senior Editor of Medical Geography for the international journal *Social Science and Medicine*; and

WHEREAS, he contributed to advances in public health through service as a Takemi Fellow in International Health, Harvard School of Public Health, through field research in public health supported by grants from the National Science Foundation, and in collaboration with other institutions;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Charles M. Good, Jr., for his service to the university with the title of Professor Emeritus of Geography.

RECOMMENDATION:

That the above resolution recommending Dr. Charles M. Good, Jr., for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Paul P. Graham faithfully served Virginia Tech for 43 years in the College of Agriculture & Life Sciences, beginning in 1958; and

WHEREAS, as a faculty member in the Department of Food Science & Technology, his accomplishments and service to food science, especially Future Farmers of America and 4-H youth programs, have received national recognition; and

WHEREAS, his extension/outreach work in meat processing has provided valuable assistance to the meat industry; and

WHEREAS, he has always kept the student and industry clientele in mind as his foremost responsibilities; and

WHEREAS, his academic contributions have brought national leadership status to the Department of Food Science & Technology;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Paul P. Graham for his service to the university with the title of Associate Professor Emeritus of Food Science & Technology.

RECOMMENDATION:

That the above resolution recommending Dr. Paul P. Graham for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Margaret Hackler faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, she served the Fluvanna office as unit coordinator for twenty-two years, increasing county support for cooperative extension programs, and organizing and maintaining an active Extension Leadership Council; and

WHEREAS, during her tenure, she significantly increased the size and scope of 4-H programs in Fluvanna County, involving all 4th through 6th grade school children in Fluvanna County in in-school 4-H programs, as well as starting several community 4-H clubs and a handicapped riding program; and

WHEREAS, she helped develop a Black Community Leadership Program for Fluvanna County; she helped organize an "Ag in the Classroom" program for Fluvanna County, an event which educates more than 200 young people on an annual basis about agriculture; and she trained and assisted nutrition education paraprofessionals to teach sound dietary practices and food-handling skills to over 300 families per year; and

WHEREAS, she assisted in the development of an Applied Foodservice Sanitation Certificate, a program which is now required by Virginia law to ensure that every food service establishment has a staff member trained in this program; and she also developed a program for non-profit groups which has certified over 600 individuals from some 160 groups in safe food-handling practices; and

WHEREAS, she assisted with the development of an award-winning transition program for approximately 160 inmates in Fluvanna Women's Correctional Facility on an annual basis, resulting in improved job skills and employment opportunities for inmates as they transition out into the community;

THEREFORE, be it resolved that the Board of Visitors recognizes Margaret Hackler for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Margaret Hackler for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Michael L. Henry faithfully served Virginia Tech for 29 years in the Virginia Cooperative Extension Service, beginning in 1973; and

WHEREAS, as an extension agent providing agriculture programs in Amelia County, he significantly increased the agriculture profitability for cattle, forage, and crop producers in Amelia County and Southside Virginia through his extension educational programs; and

WHEREAS, throughout his career, he obtained external funds to enhance his extension program; and he served his profession as President of Epsilon Sigma Phi and the Virginia Association of Agriculture Extension Agents; and

WHEREAS, he made a positive difference in Amelia County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Michael L. Henry for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Michael L. Henry for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Fred P. Herndon faithfully served Virginia Tech for 26 years in the Virginia Cooperative Extension Service, beginning in 1976; and

WHEREAS, during his tenure as an extension agent providing 4-H youth education programs in Dickenson and Lee counties, he significantly increased the size of the 4-H program, involving 900 youth in grades four through seven in Dickenson County for a participation rate of one-hundred percent; and

WHEREAS, he consistently provided primary leadership in raising more than \$500,000 in private funds for local 4-H programs in Lee and Dickenson Counties and the Southwest Virginia 4-H Educational Center; and

WHEREAS, during 1976-1984, he developed a 4-H beef-livestock program in Lee County which taught youth and families the economics of feeding and selling market animals while learning life skills that prepared youth to raise their own herds today; and

WHEREAS, he implemented the 4-H "CHARACTER COUNTS!" curriculum within the entire school system of Dickenson County, recruiting a volunteer who continues to educate the teachers to provide educational guidance for more than 2800 youth; and

WHEREAS, he made a positive difference in Dickenson and Lee Counties, won numerous state and national awards and honors including National 4-H Distinguished Service Award in 1987 and Epsilon Sigma Phi Outstanding Individual Award in 2001, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Fred P. Herndon for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Dr. Fred P. Herndon for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Joseph B. Hoffenberger faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, during his tenure as an extension agent providing 4-H youth education programs in Virginia Beach, he significantly increased the size of the 4-H program by implementing numerous special-interest educational camps, programs, and activities reaching 882 non-traditional and diverse 4-H youth and adult audiences, some of which include the 4-H Horseback Riding for the Disabled Program, 4-H Guide Dog Puppy Raising Program, Youth Emergency Medical Response Program, and “4-H Connections: Literacy Program”; and

WHEREAS, he raised more than \$422,408 in grants and private funds to support the 4-H program efforts in Virginia Beach; and

WHEREAS, since 1993, he implemented the 4-H Waterfowl/Water Quality Program to teach children the importance of water quality and conservation in Virginia Beach resulting in 1,095 youth having learned the importance of conserving and protecting our natural resources and having adopted local waterways to establish wildlife/waterfowl habitats near their school; and

WHEREAS, in partnership with Guiding Eyes for the Blind, he established the 4-H Guide Dog Puppy Raising Program in Virginia Beach in which guide-dog puppies are raised by “foster families” for 18-22 months with the family raising the puppy until the dog is mature enough to receive formal guide-dog training at the national center located in New York; since its inception in 1995, 102 dogs have gone through the Virginia Beach 4-H Program; and

WHEREAS, he made a positive difference in Virginia Beach, received numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Joseph B. Hoffenberger for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Joseph B. Hoffenberger for emeritus status be approved.

RESOLUTION FOR EMERITA STATUS
August 26, 2002

WHEREAS, Barbara Howe faithfully served Virginia Tech for 29 years in the Virginia Cooperative Extension Service, beginning in 1973; and

WHEREAS, her service as an extension agent in Pittsylvania County included responsibility for a 4-H program reaching 3,000 children and for 100 school clubs on a monthly basis; and

WHEREAS, in her service in Stafford County, she provided leadership for 13 Extension Homemaker clubs, helping rural women develop leadership and providing monthly educational programs for 140 members; and

WHEREAS, her service to homemakers in Virginia included teaching clothing and textile programs to over 500 homemakers, and helping others with food-buying skills, home food preservation, healthy eating habits, weight loss, and time management; and

WHEREAS, she developed programs to train volunteers to help families establish budgets and reduce debt load to assist welfare mothers with developing financial-management skills and employment skills to help them transition off of welfare, and to provide over 1,000 teenagers in a five-county area with financial management and consumer education; and

WHEREAS, she assisted community leaders in forming Project LINK, a collaborative program for agencies delivering service to at-risk or drug-abusing women of child-bearing age; and

WHEREAS, she served in major leadership roles in various professional associations, including President of the Virginia Extension Service Association, Secretary and Professional Improvement Chair of Virginia Extension Home Economics Association, President of Virginia Extension Association of Family and Consumer Sciences, and she was presented a Distinguished Service Award from the National Association of Extension Home Economists;

THEREFORE, be it resolved that the Board of Visitors recognizes Barbara Howe for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Barbara Howe for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Charles R. Hoysa faithfully served Virginia Tech for 22 years in the Virginia Cooperative Extension Service, beginning in 1980; and

WHEREAS, as an extension agent providing 4-H and environmental horticulture in Fauquier County and Planning District 9, he managed a dozen community 4-H clubs and initiated an in-school 4-H program, developing a volunteer component which was later used as a model for other 4-H programs in Virginia while providing state-wide leadership for the 4-H Shooting Sports program, assisting 6 other units with developing a program, and training 20 leaders throughout Virginia to coach 4-Hers; and

WHEREAS, he helped the County of Fauquier to develop a Gypsy Moth spraying program which provided public education for monitoring the pest, spraying over 10,000 acres, and maintaining property values at a savings; and

WHEREAS, he trained in excess of 300 master gardeners who have contributed 20,000 hours of volunteer time to provide community education, including teaching the "Ready, Set, Grow" program to 7,000 elementary school children, and collecting over 2,000 pounds of garden produce for needy families; and

WHEREAS, he received a grant from EPA for a program to teach the public about alternative waste-treatment options for a community with an unusually high rate of failing septic systems; and

WHEREAS, he provided leadership for an award-winning (the Susan B. Allen Tourism Award) farm tour designed to help families who moved to Fauquier County from Northern Virginia to better understand the importance of agriculture to the county economic base;

THEREFORE, be it resolved that the Board of Visitors recognizes Charles R. Hoysa for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Charles R. Hoysa for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Randal W. Jackson faithfully served Virginia Tech for 29 years in the Virginia Cooperative Extension Service, beginning in 1973; and

WHEREAS, during his tenure as an extension agent providing environmental horticulture programs in Virginia Beach City, he implemented a Master Gardener Volunteer program involving 789 citizens who have provided 168,000 volunteer hours of educational programming; and

WHEREAS, he developed the Ready-Set-Grow in-school curriculum-enrichment program that became a model for other similar programs in Virginia Cooperative Extension; and

WHEREAS, in 1990, he developed the Master Gardener Tree Steward educational program which is now a Virginia Cooperative Extension Master Gardener Advanced Training Module; and

WHEREAS, he was instrumental in the formation of the Professional Horticulture Conference of Virginia, one of the largest educational programs on the east coast; and

WHEREAS, he made a positive difference in Virginia Beach City, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Randal W. Jackson for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Randal W. Jackson for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Gerald M. Jones faithfully served Virginia Tech for over 28 years in the College of Agriculture & Life Sciences, beginning in 1974; and

WHEREAS, as a faculty member of the Department of Dairy Science from 1974 to 1991 and again from 1997 to 2002, he distinguished himself as an extension specialist, a teacher, a researcher, and a graduate student mentor, whose programs gained national and international recognition in milk quality and safety and dairy farm management; and

WHEREAS, as Associate Director of Agriculture & Natural Resources Extension Programs, he published 100 extension publications, 214 articles in state and national dairy industry magazines, and made 88 major invited presentations, and he worked with extension agents and specialists to implement area programming and subject specialization, supported by specialization in-service education; and

WHEREAS, he served as major professor to masters and doctoral students during his tenure in the Department of Dairy Science, and shared his work widely by authoring 44 refereed journal articles and 56 scientific abstracts; and

WHEREAS, under his leadership as Coordinator of Dairy Science extension programs from 1979 to 1991, the department received regional and national recognition as a center of excellence in extension education, as well as gained considerable stature among its peers for applied dairy-cattle research and extension programs; and

WHEREAS, his contributions to excellence have been widely recognized as evidenced by his receiving the Virginia Tech Alumni Award for Extension Excellence, the Gamma Sigma Delta Extension Award, and the American Dairy Science Association's West Agro Award for research in the area of mastitis abatement; and

WHEREAS, he provided exceptional service to numerous professional societies including the American Dairy Science Association, the National Mastitis Council, the Dairy Practices Council, and the Agricultural Decision Database Support Center; and

WHEREAS, he provided incomparable counsel, wisdom, and stable leadership to extension specialists and agents, faculty, and staff of the Department of Dairy Science and College of Agriculture & Life Sciences at Virginia Tech, and the dairy industry of Virginia;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Gerald M. Jones for his service to the university with the title of Professor Emeritus of Dairy Science.

RECOMMENDATION:

That the above resolution recommending Dr. Gerald M. Jones for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. James L. Jones faithfully served Virginia Tech for 31 years in the College of Agriculture & Life Sciences, beginning in 1971; and

WHEREAS, as a member of the faculty in the Department of Crop & Soil Environmental Sciences (CSES) and in its predecessor, the Department of Agronomy, he served for 18 years as a dedicated extension specialist, providing widely acclaimed service to the tobacco industry and associated clientele; and

WHEREAS, his service to the tobacco community was recognized by the Virginia Tech Alumni Award for Extension Excellence, the Farm Bureau Distinguished Service to Agriculture Award, the Virginia Tobacco Growers Association Award of Appreciation, the Virginia Dark Tobacco Growers Association Award of Merit, and the Danville Tobacco Association Distinguished Fellows Award; and

WHEREAS, he served in many important roles in national and international professional organizations, including the Research Center Administrators Society, Crop Science Society of America, American Society of Agronomy, and Editorial Board of Tobacco Science; and

WHEREAS, he served effectively as Director of the Southern Piedmont Agricultural Research and Extension Center from September 1990 through June 2002, a time during which the center diversified its programs and made notable gains in its status within the university and nationally;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. James L. Jones for his service to the university with the title of Professor Emeritus of Crop & Soil Environmental Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. James L. Jones for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. David E. Kenyon faithfully served Virginia Tech for 31 years in the College of Agriculture & Life Sciences, beginning in 1971; and

WHEREAS, as a member of the faculty in the Department of Agricultural & Applied Economics, he conducted outstanding research, instructional and extension marketing programs; and

WHEREAS, he taught numerous undergraduate courses with excellence and received the University's Wine Award; and

WHEREAS, he published widely in professional and industry journals and was recognized nationally and internationally for his expertise in agricultural marketing and price analysis, receiving the American Agricultural Economics Association's Quality of Research Discovery Award; and

WHEREAS, he developed innovative and relevant marketing extension education programs and was a recipient of the American Agricultural Economics Association's Distinguished Group Extension Program Award; and

WHEREAS, he chaired or co-chaired 26 masters and 10 doctoral graduate programs and his students achieved successful careers in academia and business; and

WHEREAS, he conducted research and extension programs which greatly enhanced the ability of Virginia's farmers to achieve profitability in marketing their grain products through the use of futures and options markets;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. David E. Kenyon for his service to the university with the title of Professor Emeritus of Agricultural & Applied Economics.

RECOMMENDATION:

That the above resolution recommending Dr. David E. Kenyon for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Calvert T. Larsen faithfully served Virginia Tech for 23 years in the Virginia-Maryland Regional College of Veterinary Medicine, beginning in 1979; and

WHEREAS, as a member of the faculty in the Department of Large Animal Clinical Sciences, he was a dedicated teacher of a variety of courses in both the undergraduate and graduate curriculum of the College of Agriculture & Life Sciences, and the professional and graduate curriculum of the Virginia-Maryland Regional College of Veterinary Medicine (VMRCVM) in the area of Avian Medicine; and

WHEREAS, he advised and counseled numerous undergraduate, veterinary, and graduate students during his career, including mentoring both masters and doctoral students; and

WHEREAS, he made significant contributions in the research of avian health and disease, receiving numerous grants and contracts, and authoring and co-authoring numerous scientific publications; and

WHEREAS, he made significant contributions during his career as a poultry specialist in the Virginia Cooperative Extension Service providing education, advice, and counsel to poultry producers and the poultry industry, authoring extension and lay publications; and

WHEREAS, he served on numerous local, regional, and national committees in professional associations and poultry-related organizations;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Calvert T. Larsen for his service to the university with the title of Associate Professor Emeritus of Large Animal Clinical Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. Calvert T. Larsen for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Audrey Oliver Lee faithfully served Virginia Tech for 29 years in the Virginia Cooperative Extension Service, beginning in 1973; and

WHEREAS, as an extension agent providing 4-H youth education programs in Bedford County, she demonstrated outstanding leadership in her profession, serving as President of the Virginia Extension Service Association and Chair of the Virginia 4-H Leadership Council; and

WHEREAS, she provided statewide leadership and training for the "CHARACTER COUNTS!" program involving 11,000 students and 600 teachers in Bedford County alone; and

WHEREAS, she obtained \$130,000 in external funding during her career to provide scholarships, awards, and projects for her 4-H program participants; and

WHEREAS, she made a positive difference in Bedford County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Audrey Oliver Lee for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Audrey Oliver Lee for emerita status be approved.

RESOLUTION FOR EMERITA STATUS
August 26, 2002

WHEREAS, Janet L. Leigh faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, as an extension agent providing Family and Consumer Science programs in Gloucester County, she provided outstanding leadership by developing an active Extension Leadership Council, coordinating area programming in Agriculture & Natural Resources and Family & Consumer Science, and consistently maintaining positive relationships with local government to ensure continued funding; and

WHEREAS, from 1995-2002, she provided leadership for “Celebrate Families”, a festival to provide education on local services to Gloucester families, which has grown from 100 participants in 1995 to over 3,000 participants in 2002 with 148 exhibitors from businesses in the community; and

WHEREAS, she demonstrated her support for the 4-H Youth Program by conducting special interest classes in money management and foods and nutrition, securing local funds for a 4-H program assistant and an annual support from Gloucester County for the Jamestown 4-H Center; and

WHEREAS, she fostered positive and productive relationships within agencies and the community in Gloucester, Mathews, Middlesex, King & Queen, King William, and Essex counties to provide educational training for limited-resource clientele in the area of financial management; and

WHEREAS, she made a positive difference in Gloucester County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Janet L. Leigh for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Janet L. Leigh for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Norman G. Marriott faithfully served Virginia Tech for 23 years in the College of Agriculture & Life Sciences, beginning in 1979; and

WHEREAS, as a faculty member in the Department of Food Science & Technology, his research work was instrumental in the enhancement of meat processing, especially prepackaging of fresh meats and beef tenderization, and his accomplishments and service to food science have received national recognition; and

WHEREAS, his extension/outreach work in hazard analysis critical control point systems was instrumental in helping all Virginia meat-processing firms to meet regulatory requirements; and

WHEREAS, his textbook on food sanitation has been translated into German, Chinese, Korean, and Spanish; and

WHEREAS, he has always kept the student and industry clientele in mind as his foremost responsibilities; and

WHEREAS, his academic contributions brought international leadership status to the Department of Food Science & Technology;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Norman G. Marriott for his service to the university with the title of Professor Emeritus of Food Science & Technology.

RECOMMENDATION:

That the above resolution recommending Dr. Norman G. Marriott for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Joyce A. Martin faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, during her tenure as an extension agent providing 4-H youth education programs in Montgomery County, she significantly increased the size of the 4-H program, involving 4,000 youth and over 200 volunteers in the county; and

WHEREAS, she untiringly sought private funding to provide scholarships for youth to attend 4-H camp and to support many other programs and educational events for youth; and

WHEREAS, she implemented the "CHARACTER COUNTS!" program which has involved over 5,000 youth in character-education programs in Montgomery County; and

WHEREAS, she made a positive difference in Montgomery County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Joyce A. Martin for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Dr. Joyce A. Martin for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Harold M. McNair faithfully served Virginia Tech for 34 years in the College of Arts & Sciences, beginning in 1968; and

WHEREAS, he distinguished himself as a skillful and effective teacher of courses in General Chemistry, Analytical Chemistry for the Life Sciences, and Advanced Analytical Chemistry in the Department of Chemistry; and

WHEREAS, he performed valuable service for the university and department as department head for three years and as a member of numerous college and department committees, and innumerable student advisory committees; and

WHEREAS, he pioneered in the development of chromatographic science, the training of students in chromatography, and the promotion of chromatography around the world with special emphasis on Latin America; and

WHEREAS, he received the Tswett Medal from the Russian Academy of Sciences, the Analytical Division of the American Chemical Society J. C. Giddings Award for outstanding contributions to teaching analytical chemistry, and the Dal Nogare Award for "outstanding contributions in chromatography" from the Pittsburgh Conference; and

WHEREAS, he published approximately 120 technical papers and 6 books (2 in Spanish), produced 6 technical movies, and served on the editorial boards of numerous journals;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Harold M. McNair for his service to the university with the title of Professor Emeritus of Chemistry.

RECOMMENDATION:

That the above resolution recommending Dr. Harold M. McNair for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Larry L. McPeters faithfully served Virginia Tech for 31 years in the Virginia Cooperative Extension Service, beginning in 1971; and

WHEREAS, as an extension agent providing agriculture programs in Halifax County, he provided outstanding leadership and programming with the development of alternative crops for the residents of Southside Virginia; and

WHEREAS, he served on numerous boards, committees, and commissions seeking to better the economic well-being of Halifax County and Southside Virginia; and

WHEREAS, he provided outstanding leadership in the area of tobacco production and agricultural sustainability education throughout his career; and

WHEREAS, he made a positive difference in Halifax County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Larry L. McPeters for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Larry L. McPeters for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Harlan B. Miller faithfully served Virginia Tech for 36 years in the College of Arts & Sciences, beginning in 1966; and

WHEREAS, as a member of the Department of Philosophy and in its predecessor, the Department of Philosophy & Religion, he was a dedicated teacher and originator of a wide range of courses from freshman to advanced graduate level courses, acquiring national grant support and receiving an XCalibur award for his pioneering use of electronic media in the classroom; and

WHEREAS, he advised and counseled numerous undergraduate and graduate students during his long career; and

WHEREAS, he made significant contributions in research on issues concerning ethics and society, the ethical treatment of animals, and environmental ethics, having published five books and authored numerous publications; and

WHEREAS, he was founder and served as Executive Secretary of the Society for Ethics and Animals for 23 years, and served as secretary, vice-president, and president of the Virginia Philosophical Association;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Harlan B. Miller for his service to the university with the title of Professor Emeritus of Philosophy.

RECOMMENDATION:

That the above resolution recommending Dr. Harlan B. Miller for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Kathy R. Miller faithfully served Virginia Tech for 22 years in the Virginia Cooperative Extension Service, beginning in 1980; and

WHEREAS, during her tenure as an extension agent providing family and consumer science education programs in Wythe County and surrounding counties in Planning District 3, she was instrumental in starting many programs which are still delivering educational support to individuals, groups, and organizations, including a homemaker club which received national recognition for aiding in integration of patients at Southwestern State Hospital back into society; and

WHEREAS, she developed and delivered programs addressing parenting skills and was recognized for her efforts delivering child-care training programs and teaching courses for certification of child-care providers; and

WHEREAS, she was active in many areas of the 4-H program including livestock production and showing as well as 22 years attending 4-H camp as an instructor; and

WHEREAS, she was a leader in bringing information to individuals interested in agri-tourism as a method of increasing income to farm enterprises; and

WHEREAS, she made a positive difference in Wythe County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Kathy R. Miller for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Kathy R. Miller for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Professor R. Walton Mazingo faithfully served Virginia Tech for 34 years in the College of Agriculture & Life Sciences, beginning in 1968; and

WHEREAS, as a member of the faculty in the Department of Crop & Soil Environmental Sciences stationed at the Tidewater Agricultural Research & Extension Center, he was a dedicated researcher; and

WHEREAS, during his long career, he developed and coordinated the Peanut Variety Quality Evaluation (PVQE) project as a regional project supported equally by Virginia Tech and North Carolina State University, including the extensive evaluation of all aspects of quality on every Virginia-type peanut cultivar released in the U.S. since 1969; and

WHEREAS, he made significant contributions in research on methods for quality assessment, including development of extensive informational databases for manufacturing and processing of peanuts, taste and flavor quality data on finished products, and production information; and

WHEREAS, he developed the PVQE project to become the model for peanut-variety quality evaluation in the U.S.; and

WHEREAS, in the course of this work, he authored or co-authored more than 265 publications on peanuts, including 29 refereed papers and 13 cultivar or germplasm registrations; he was the lead scientist on development of three important Virginia-type peanut cultivars; and he obtained support for Virginia Tech for this research in excess of \$3,000,000 from numerous sponsors; and

WHEREAS, he served in several national professional technical societies, including being a past-President and Fellow of the American Peanut Research and Education Society, and he attained recognition and awards over nine times for his research on peanuts;

THEREFORE, be it resolved that the Board of Visitors recognizes Professor R. Walton Mazingo for his service to the university with the title of Professor Emeritus of Agronomy.

RECOMMENDATION:

That the above resolution recommending Professor R. Walton Mazingo for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, James A. Myers faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, as an extension agent providing agriculture programs in Buckingham County, he provided outstanding leadership in the cutting-edge development of beef cattle genetics and marketing educational programs; and

WHEREAS, he sought and received over \$33,000 in external funding during his career to enhance his extension educational program; and

WHEREAS, he made a positive difference in Buckingham County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes James A. Myers for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending James A. Myers for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Richard A. Nunnally faithfully served Virginia Tech for 32 years in the Virginia Cooperative Extension Service, beginning in 1970; and

WHEREAS, as an extension agent providing environmental horticulture programs in Chesterfield County, he successfully incorporated the mission of Virginia Cooperative Extension and the goals of the Chesterfield County Strategic Plan to provide world-class customer service; and

WHEREAS, he pursued marketing opportunities that promoted Virginia Cooperative Extension in all forms of the media, hosting since 2000 the WCVB-PBS monthly one-hour program "Virginia Home Grown" which caused him to be recognized as a horticulture authority throughout eastern Virginia; and

WHEREAS, in 2000, he adopted the use of technology to deliver education to more people and created Lawns On-Line via the internet to meet the overwhelming demand for lawn-care classes, resulting in over 3000 visits to this site; and

WHEREAS, he made a positive difference in Chesterfield County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Richard A. Nunnally for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Richard A. Nunnally for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. David M. Orcutt faithfully served Virginia Tech for over 29 years in the College of Agriculture & Life Sciences, beginning in 1973; and

WHEREAS, as a member of the faculty in the Department of Plant Pathology, Physiology & Weed Science, he was a dedicated teacher of a wide range of courses at the undergraduate and graduate levels; and

WHEREAS, he advised and counseled numerous undergraduate and graduate students during his long career, serving as the graduate advisor for six masters and two doctoral degree students; and

WHEREAS, he made significant contributions in teaching and advising undergraduate and graduate students in plant physiology and served on several graduate committees within the College of Agriculture & Life Sciences, working consistently on the development and revision of his courses to emphasize the relative change to biotic and abiotic stresses impact to the physiology of plants, and using computer technology to develop these courses on the Internet; and during his tenure at Virginia Tech, he obtained funding in excess of \$456,000 from internal and external sources for research in the area of plant physiology; and

WHEREAS, his service to regional and national professional societies included chair of the Southern Section of the American Society of Plant Physiologists and State Membership Coordinator of the National Association of Colleges and Teachers of Agriculture and member of the Local Arrangements Committee, and he received the Outstanding Faculty Member, PPWS Award (Henderson Award-1983), the National Association of Colleges and Teachers of Agriculture Teaching Fellow Award (1981), and the E. B. Knight, NACTA Journal Award, Honorable Mention (1976); and

WHEREAS, he served the department as graduate advisor for several years;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. David M. Orcutt for his service to the university with the title of Professor Emeritus of Plant Pathology, Physiology & Weed Science.

RECOMMENDATION:

That the above resolution recommending Dr. David M. Orcutt for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Edward T. Overton faithfully served Virginia Tech for 31 years in the Virginia Cooperative Extension Service, beginning in 1971; and

WHEREAS, during his tenure as an extension agent providing commercial horticulture programs in James City County, he coordinated the Weather-Based Turf IPM Advisory Project to enable the turf industry to make a positive impact on water quality and he presented educational programs to over 1,000 citizens; and

WHEREAS, in 1999, he coordinated a team effort that sponsored a Turf Integrated Pest Management Workshop for 43 golf course superintendents resulting in a significant reduction in the use of pesticides and nutrients to improve water quality; and

WHEREAS, he initiated the James City County Master Gardener Program to meet the demand for non-biased research-based information in the county; and

WHEREAS, he created the “Turf Love” Urban Nutrient Management Program to meet the needs of James City County, and provided leadership to 17 Master Gardener volunteers and to the James City County Planning Department to educate 200 homeowners about proper lawn practices to reduce urban nutrient loads in the Chesapeake Bay watershed; and

WHEREAS, he successfully obtained grant funds to support the implementation of educational programs in urban nutrient management, turf integrated pest management, and water quality; and

WHEREAS, he made a positive difference in James City County, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Edward T. Overton for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Edward T. Overton for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Herbert W. Pettway faithfully served Virginia Tech for 29 years in the Virginia Cooperative Extension Service, beginning in 1973; and

WHEREAS, as an extension agent providing youth education programs in the Cities of Norfolk, Virginia Beach, and Chesapeake, and as Director of the Chesapeake Department of Agriculture and Coordinator for Cooperative Extension, he promoted the industry of agriculture through his work with volunteer development, diversity, school enrichment, summer camping, and programs for youth and families at risk; and under his leadership, Chesapeake was recognized at the local, district, state and national levels for its Agriculture in the Classroom program and the Ready, Set, Grow, 4-H Master Gardener urban gardening program, as well as numerous other educational and school enrichment programs promoting agriculture; and

WHEREAS, he significantly increased the size of the Virginia 4-H Program having enrolled over 150,000 youth, 35,000 adult and teen volunteers; raised over \$400,000; planned and directed 30 weeks of summer 4-H camps; and trained and supervised over 800 teen counselors; and

WHEREAS, he served as the first development officer for the Southeast 4-H Educational Center, assisting in raising the first 3.5 million dollars and coordinating the groundbreaking and dedication ceremonies; and

WHEREAS, he was a Paul Harris Fellow with the Rotary Club of Great Bridge and a Benefactor to Rotary International and was the recipient of the Alpha Gamma Chapter of Epsilon Sigma Phi State Distinguished Service Award in 2000 and the Virginia Tech Alumni Award for Excellence in 2001;

THEREFORE, be it resolved that the Board of Visitors recognizes Herbert W. Pettway for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Herbert W. Pettway for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Kenneth L. Reifsnider faithfully served Virginia Tech for 34 years in the College of Engineering, beginning in 1968; and

WHEREAS, as a member of the faculty in the Department of Engineering Science & Mechanics, he was a dedicated teacher of a wide range of courses from the undergraduate to the advanced graduate level, advising and counseling numerous undergraduate and graduate students during his long career, including serving as the graduate advisor for 29 masters and 35 doctoral students; and

WHEREAS, he made significant contributions in research on high-performance composite materials, nondestructive testing of materials, mechanical testing of materials, micromechanics, and damage tolerance and durability of composite materials, authoring or coauthoring approximately 300 refereed publications of various types, including a recent book, and presenting numerous lectures in the course of this work; and he obtained funding to Virginia Tech for this research in excess of \$15,000,000 from numerous sponsors; and

WHEREAS, he was appointed as the Alexander Giacco Professor of Engineering Science & Mechanics, and prior to that, as the Reynolds Metals Professor of Engineering Science & Mechanics; he served as Associate Provost for Interdisciplinary Programs from 1996 to 2001; was the Director of the Virginia Institute for Materials Systems from 1988 to 2000; he served as Chairman of the Materials Engineering Science Program from 1974 to 1992; and he was the co-founder of the Center for Composite Materials & Structures; and

WHEREAS, he served in a number of national professional technical societies, being a Fellow of the American Society for Testing and Materials, and a member of its Board of Directors from 1986 to 1990; was extensively engaged in organizing symposia and editing proceedings; was the founding editor of the *Journal of Composites Technology and Research*; and was the Editor-in-Chief since 1999 of the *International Journal of Fatigue*;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Kenneth L. Reifsnider for his service to the university with the title of Professor Emeritus of Engineering Science & Mechanics.

RECOMMENDATION:

That the above resolution recommending Dr. Kenneth L. Reifsnider for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Raymond B. Reneau faithfully served Virginia Tech for 31 years in the College of Agriculture & Life Sciences, beginning in 1971; and

WHEREAS, he as a member of the faculty in the Department of Crop & Soil Environmental Sciences and in its predecessor, the Department of Agronomy, he was a dedicated teacher of undergraduate and graduate level courses; and

WHEREAS, he advised and counseled a number of undergraduate and graduate students during his long career, and served as the graduate advisor for 13 masters and 11 doctoral degree students; and

WHEREAS, he made significant contributions in research on the transport of biological and chemical contaminants through soils, design and function of decentralized wastewater treatment systems, application of biosolids and other waste materials to soil-plant systems, and land-based treatment systems for reuse of wastewaters, authoring approximately 135 publications, and obtaining funding for Virginia Tech in excess of \$4,250,000 from numerous sponsors; and

WHEREAS, he served in a number of state, regional, and national professional societies, and was a member and/or chair of the Soil Science Review Panel for the Agency for International Development for five years and on advisory committees to commissioners of state regulatory agencies;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Raymond B. Reneau for his service to the university with the title of Professor Emeritus of Crop & Soil Environmental Sciences.

RECOMMENDATION:

That the above resolution recommending Dr. Raymond B. Reneau for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Lester A. Ritenour faithfully served Virginia Tech for over 27 years in the Virginia Cooperative Extension Service, beginning in 1974; and

WHEREAS, during his tenure as an extension agent, he developed a 4-H program with current enrollment of approximately 1,500 youth and 200 adult volunteers; and he managed \$609,500 of private funds, with the assistance of volunteer committees, to provide 4-H program scholarships and scholarships for post-high-school education to 4-H members; and

WHEREAS, he annually assisted approximately sixty-five livestock exhibitors with their 4-H livestock projects annually at the Frederick County Fair; and

WHEREAS, he implemented a shooting program that annually teaches approximately fifty 4-H members safe gun handling, responsibility, and respect; and

WHEREAS, he attained the highest rank of Senior Extension Agent and received numerous awards and honors such as the Outstanding 4-H Agent Working with Camping Programs, the C. Dean Allen Award for Excellence in 4-H All Stars and International Programs, and the Outstanding Extension Agent Working With Volunteer Leaders Award;

THEREFORE, be it resolved that the Board of Visitors recognizes Lester A. Ritenour for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Lester A. Ritenour for emeritus status be approved.

RESOLUTION FOR EMERITA STATUS
August 26, 2002

WHEREAS, Linda M. Robinson faithfully served Virginia Tech for 31 years in the Virginia Cooperative Extension Service, beginning in 1971; and

WHEREAS, as an extension agent providing 4-H youth development and home economics programs in the City of Hampton, she developed an extensive network of nutrition professionals that enabled the EFNEP caseload to increase from 50% to 70%, averaging 240 families with 95% of the families meeting the objective of obtaining recommended servings of healthy foods; and

WHEREAS, in 1985, she piloted the Healthy Mother, Healthy Babies Master Volunteer Program to combat the high infant mortality in Virginia, a major focus of Governor Charles S. Robb; and

WHEREAS, she worked with the Hampton 4-H Leadership Council and met the state goal of enrolling 1,000 youth in the 4-H program since 1996 including neighborhood, in-school, and after-school clubs; and

WHEREAS, during her tenure as Unit Coordinator, she organized an active Hampton Extension Leadership Council that focuses on integrating the mission of Virginia Cooperative Extension and the City of Hampton Strategic Plan to forge a strong partnership for the future; and

WHEREAS, she provided extraordinary leadership at the local and state level to implement "CHARACTER COUNTS!"; and

WHEREAS, she made a positive difference in the City of Hampton, won numerous awards and honors, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Linda M. Robinson for her service to the university with the title of Senior Extension Agent Emerita.

RECOMMENDATION:

That the above resolution recommending Linda M. Robinson for emerita status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. Leonard A. Shabman faithfully served Virginia Tech for 30 years in the College of Agriculture & Life Sciences, beginning in 1972; and

WHEREAS, he effectively served as a member of the faculty in the Department of Agricultural & Applied Economics where during his career he taught 12 different courses in economic theory, resource economics, and economic development, and advised numerous graduate students; and

WHEREAS, he served as Director of the Water Resources Center from 1995 to 2002; and

WHEREAS, he served as principal or co-principal investigator on over 50 externally-funded projects and authored or co-authored over 340 professional articles and presentations; and

WHEREAS, his research directly impacted resource and environmental legislation at the state, regional, and national levels; and

WHEREAS, he advised or consulted with numerous federal agencies including the United States Water Resources Council, the U. S. Corps of Engineers, The Environmental Protection Agency, and the National Academy of Sciences; and

WHEREAS, he developed valuable methods for environmental project evaluation and for solving environmental issues;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. Leonard A. Shabman for his service to the university with the title of Professor Emeritus of Agricultural & Applied Economics.

RECOMMENDATION:

That the above resolution recommending Dr. Leonard A. Shabman for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. F. William Stephenson faithfully served Virginia Tech for 24 years in the College of Engineering, beginning in 1978; and

WHEREAS, he effectively served as Dean of the College of Engineering from 1994 until 2002, leading the College's successful Campaign for Excellence that raised \$68 million, assisting in the creation of the statewide Microelectronics Consortium and in the initiation of the Virginia Tech Institute for Critical Technologies, and establishing the Dean's Awards for Excellence; and

WHEREAS, he served as the Head of the Bradley Department of Electrical & Computer Engineering from 1990 until 1994, creating the Department's Alumni Advisory Board, improving the climate for minorities by establishing the position of Director of Minority Recruitment as well as associations with Historically Black Colleges and Universities, and creating the position of Director of Graduate Studies; and

WHEREAS, he served as Associate Dean for Research & Graduate Studies of the College of Engineering from 1986 until 1990, improving the environment for sponsored research and scholarship, fostering the recruitment of U.S. graduate students, and assisting with several research opportunities such as the Commercial Development of Space and the NSF Science and Technology Center; and

WHEREAS, he was appointed in 1999 the Hugh P. and Ethel C. Kelly Professor of Electrical & Computer Engineering for his distinguished scholarship; and

WHEREAS, he served in a number of national professional technical societies, including his position of Fellow in both the Institution of Electrical Engineers and the Institute of Electrical and Electronic Engineers; and

WHEREAS, he was a dedicated educator, co-founding the Hybrid Microelectronics Laboratory, serving as its Director from 1984 until 1990, as well as directing numerous student design projects;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. F. William Stephenson for his service to the university with the title of Hugh P. and Ethel C. Kelly Professor of Electrical & Computer Engineering and Dean Emeritus of the College of Engineering.

RECOMMENDATION:

That the above resolution recommending Dr. F. William Stephenson for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Dr. R. Jay Stipes faithfully served Virginia Tech for over 34 years in the College of Agriculture & Life Sciences, beginning in 1967; and

WHEREAS, as a member of the faculty in the Department of Plant Pathology, Physiology & Weed Science, he was a dedicated teacher of plant pathology and agricultural chemistry, as well as an outstanding researcher of diseases of trees with over fifty percent of his time spent in public outreach and consultation; and

WHEREAS, he advised and counseled numerous undergraduate and graduate students during his long career, serving as the graduate advisor for 9 masters and 15 doctoral degree students; and

WHEREAS, he made significant contributions in research on urban tree pathology, authoring numerous publications and book chapters during the course of his work at Virginia Tech; he played a key role in the study of biocontrol of Dutch Elm Disease in the US; and he was successful in acquiring funding for his research and extension projects in plant pathology; and

WHEREAS, he was inducted into the Alpha Gamma Rho Agricultural Fraternity at Virginia Tech (one of only three faculty inducted into this fraternity); received the PPWS Henderson Award for Outstanding Research (1993), the International Society of Arboriculture Outstanding Research Award (1991) Mid-Atlantic Division, and International Society of Arboriculture Honorary Life Membership (1990); and he was recognized for Outstanding Paper Awards in the Potomac Division of the American Phytopathological Society and the American Peanut Research Association;

THEREFORE, be it resolved that the Board of Visitors recognizes Dr. R. Jay Stipes for his service to the university with the title of Professor Emeritus of Plant Pathology, Physiology & Weed Science.

RECOMMENDATION:

That the above resolution recommending Dr. R. Jay Stipes for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Jerry M. Swisher, Jr., faithfully served Virginia Tech for 30 years in the Virginia Cooperative Extension Service, beginning in 1972; and

WHEREAS, as an extension agent who attained the rank of Senior Extension Agent, he earned an invitation by the Maryland Department of Agriculture and Trinidad's Ministry of Agriculture to conduct seminars and evaluate selected dairies in Trinidad; and

WHEREAS, he developed the "Dairy Loafing Lot Rotational Management System", which reduces soil erosion, surface-water runoff, mastitis, reproductive infections, cow stress and milking time, and improves the aesthetics of the farm and promotes a more wholesome image for the entire dairy industry; for his pioneering leadership which was adopted by the Virginia Department of Conservation and Recreation as a Best Management Practice eligible for cost-share and which attained national acclaim, he was recognized by the United States Department of Agriculture; and

WHEREAS, he developed the "Mid Atlantic Dairy Grazing Conference and Workshop", a national educational program addressing pasture-based dairy-production systems, attracting 750 participants from 16 states and two foreign countries; and

WHEREAS, he developed and initiated the "State Dairy Conservation Field Day" that enables governmental agencies to work more cooperatively to make Virginia dairy producers more aware of cost-share programs and environmental regulations and issues; and

WHEREAS, he wrote over 68 articles addressing dairy nutrition, milking management, dairy facilities, water quality, intensive grazing, and crop, forage and pasture management; and

WHEREAS, he coached over 50 4-H and FFA dairy judging teams;

THEREFORE, be it resolved that the Board of Visitors recognizes Jerry M. Swisher, Jr., for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Jerry M. Swisher, Jr., for emeritus status be approved.

RESOLUTION FOR EMERITUS STATUS
August 26, 2002

WHEREAS, Joseph H. Todd, III, faithfully served Virginia Tech for 29 years in the Virginia Cooperative Extension Service, beginning in 1973; and

WHEREAS, during his tenure, as an extension agent providing 4-H youth development programs in Chesterfield County, he worked cooperatively with the James River Soil & Water Conservation District, Chesterfield Clean Corporation, and the Richmond Council of Garden Clubs to annually conduct nine 4-H Natural Resources Field Days for more than 900 4-H members, with over 90% of participants rating this as a good or excellent experience; and

WHEREAS, for five years he coordinated the Chesterfield County Model Government Program involving all county agencies, elected officials, and youth from all high schools, educating all participants about the work of Virginia Cooperative Extension; and

WHEREAS, he consistently provided leadership and guidance to the 4-H Program Assistant to increase involvement of at-risk minority youth into the total county 4-H Program; and

WHEREAS, he consistently provided a quality camping program for youth and was recognized four times by the Jamestown 4-H Educational Center for outstanding work; and

WHEREAS, he made a positive difference in Chesterfield County, won numerous awards and honors including three achievement awards from the National Association of Counties, and attained the highest rank of Senior Extension Agent;

THEREFORE, be it resolved that the Board of Visitors recognizes Joseph H. Todd, III, for his service to the university with the title of Senior Extension Agent Emeritus.

RECOMMENDATION:

That the above resolution recommending Joseph H. Todd, III, for emeritus status be approved.

ENDOWED PROFESSORSHIP

Bradley Distinguished Professor of Electromagnetics

In spring 1987, the late Mrs. Marion Bradley Via established a \$5 million endowment for the enhancement of the Department of Electrical Engineering. This endowment was in honor of Mrs. Via's late father, Harry Lynde Bradley, co-founder of the Allen-Bradley Company. In recognition of this endowment, the Department was renamed The Harry Lynde Bradley Department of Electrical Engineering. (In Spring 1997, the Department was renamed The Harry Lynde Bradley Department of Electrical and Computer Engineering.) The income from the endowment is used primarily to fund undergraduate scholarships, graduate and postdoctoral fellowships, and professorships in the continuing effort to improve the quality of the department's programs. It also supports a lecture series that brings prominent engineers and scientists to campus to share recent advances in the profession. Concurring with the recommendations of the Honorifics Committees of both the Bradley Department of Electrical and Computer Engineering and the College of Engineering, Dr. Malcolm McPherson has nominated Dr. Gary S. Brown to the Bradley Distinguished Professor of Electromagnetics.

Dr. Brown has a long and consistent record of research funding. An internationally known researcher in the areas of radio-wave propagation, radar-scattering applications, and antennas, he is a pioneer in the area of theoretical modeling of rough surfaces, a problem of significant interest and importance, and one of the top experts in the world in electromagnetic modeling, and is currently expanding his research to mine-detection problems using a novel Norton wave approach. He has obtained funding for his research in excess of \$3 million from numerous sponsors. He is the founder and director of the Virginia Tech ElectroMagnetic Interactions Laboratory.

Dr. Brown has advised and counseled numerous undergraduate and graduate students during his career in the Bradley Department of Electrical and Computer Engineering (ECE). He has served as the major professor for nine masters and six doctoral students, and is currently advising two doctoral students. He has authored 57 technical journal articles and book chapters, 85 refereed conference publications, and in excess of 20 reviewed U.S. Government Reports. He is the recipient of the R.W.P. King award of the Antennas and Propagation Society (APS), Institute of Electronic and Electrical Engineers (IEEE) Third Millennium Medal, and the Schelkunoff Award for best paper in the APS Transactions, 1990.

Dr. Brown is a dedicated teacher; he consistently receives student evaluations of his teaching in the 3.9 to 4.0 range. He has taught a wide variety of courses from the sophomore to the advanced graduate level.

Dr. Brown has high visibility in a number of international professional technical professional societies, including being a Fellow of the IEEE and serving as Vice President and President of the IEEE Antennas and Propagation Society, chair of International Union of Radio Science (USRI), and past chair of URSI Commission B. He has served on numerous national committees and provided guidance to the Department of Defense and National Science Foundation regarding future directions for program development.

RECOMMENDATION:

That Dr. Gary S. Brown be appointed the Bradley Distinguished Professor of Electromagnetics, effective August 10, 2002, with a salary supplement as provided by the endowment.

ENDOWED PROFESSORSHIP

Paul T. Norton Professor of Industrial & Systems Engineering

The Paul T. Norton Professorship of Industrial & Systems Engineering was established by a gift in 1988 in honor of Paul Norton, who was the founding head of the Department of Industrial & Systems Engineering, then called Commercial Engineering. Dr. Norton served as department head from 1920 to 1947. Dr. Malcolm McPherson has nominated Professor Subhash Sarin to this endowed position, concurring with the recommendations of the Honorifics Committee of the Grado Department of Industrial and Systems Engineering and the College of Engineering Honorifics Committee.

Dr. Sarin has a long and consistent record of research funding. Since 1997, he has served as principal investigator or co-principal investigator on 23 projects. In many of these projects, he has teamed with other faculty members, lending important expertise in the applied operations-research area critical to the grant procurement. For example, his contributions were central to the \$4.3 million contract to create the Center for High Performance Manufacturing at Virginia Tech. His 11 private-sector contracts since 1997 indicate his ability to capture industrial funding.

Dr. Sarin has an outstanding record of graduate advising. He has been the major professor for 34 masters and 12 doctoral students. He has authored 54 refereed journal publications in quality journals in manufacturing and operations research. Currently he has 11 journal publications in various stages of submission or review. Furthermore, he is very active in presenting invited and contributed papers at a wide variety of national and international conferences, having amassed 74 such papers to date.

Dr. Sarin is an accomplished teacher. He received the College of Engineering's Dean's Award for Excellence in Teaching in 1999 and the Holzmann Distinguished Educator Award from the Institute of Industrial Engineers (IIE) in 2000. He received the Pletta Award from the Virginia Society of Professional Engineers as the 1998 Virginia Engineering Educator of the Year. He is also a Fellow of IIE.

RECOMMENDATION:

That Dr. Subhash Sarin be appointed the Paul T. Norton Professor of Industrial & Systems Engineering, effective August 10, 2002, with a salary supplement as provided by the endowment.

Resolution Naming

The Alf Knobler Conference Room

In the College of Arts and Sciences

of Virginia Polytechnic Institute and State University

Whereas, Mr. Alfred E. Knobler, began his association with the university as a student in the College of Engineering where he earned a Bachelor of Science degree and graduated with the class of '38; and

Whereas, Mr. Knobler has an expanded relationship with the university through service, guidance, and leadership in the College of Arts and Sciences as well as the College of Engineering; and

Whereas, because of Mr. Knobler's belief in the importance of the study of English and of skillful writing, he has been a generous supporter and a valued resource of the English Department faculty; and

Whereas, Mr. Knobler is highly respected and is a valued friend and counselor to many in the English Department; and

Whereas, Mr. Knobler has demonstrated his deep concern for quality education and the future of our students by providing long-term scholarship assistance;

Therefore, be it hereby resolved that, in appreciation of Alfred Knobler's assistance, friendship, and generosity, the Shanks Hall 316 Conference Room will be named **The Alf Knobler Conference Room**.

**Resolution Naming
The Michael Vick Hallway in the
Merryman Athletic Center
of Virginia Polytechnic Institute and State University**

Whereas, Michael Vick led the Virginia Tech Football Team to a perfect 11-0 regular season in 1999; and

Whereas, Michael Vick led Virginia Tech to a berth in the National Championship game in the 2000 Sugar Bowl; and

Whereas, Michael Vick was the number one selection in the 2001 National Football League draft; and

Whereas, Michael Vick was selected as the Big East Conference offensive player of the year and Rookie of the Year in 1999; and

Whereas, Michael Vick won an ESPY Award as the College Football Player of the Year in 2000; and

Whereas, Michael Vick went 20 – 1 as a starter on the Virginia Tech Football Team; and

Whereas, Michael Vick was one of the most exciting players to put on a Virginia Tech uniform, despite playing just two years;

Therefore, be it hereby resolved that, in appreciation for his outstanding athletic ability, which helped thrust Virginia Tech's football program into the national spotlight, the hallway on the second floor of the Merryman Athletic Center will be named the **Michael Vick Hallway**.

RECOMMENDATION:

That the above resolution be approved.

Resolution Naming
The Eddie Ferrell Training Room
of Virginia Polytechnic Institute and State University

Whereas, Eddie Ferrell served as the Head Athletic Trainer at Virginia Tech under four different head football coaches from 1971 until his death in 1998; and

Whereas, Eddie Ferrell touched the lives of thousands of student athletes during his 28 years as an athletic trainer at Virginia Tech; and

Whereas, Eddie Ferrell was elected as a member of the Virginia Tech Sports Hall of Fame in 1999; and

Whereas, in 1994, almost 30 years after earning his Bachelors Degree, Eddie Ferrell earned a Masters Degree in Athletic Administration from Virginia Tech; and

Whereas, Eddie Ferrell's reputation as a consummate professional on and off the field, his devotion, hard work, sense of humor and unselfish nature made him one of the most popular figures in Virginia Tech Athletics; and

Whereas, the Virginia Tech football team dedicated its 1998 season to Eddie Ferrell's memory as each player wore the initials "EF" on his helmet;

Therefore, be it hereby resolved that, in honor of Eddie Ferrell and in appreciation of his 28 years of dedicated service to Virginia Tech Athletics and thousands of student athletes, that the new athletic training center will be named the **Eddie Ferrell Training Center**.

RECOMMENDATION:

That the above resolution be approved.

DESCRIPTION OF FACULTY PERSONNEL CHANGES

(Prepared by Personnel Services)

I. FACULTY PERSONNEL & SALARY CHANGES

This section includes new appointments and changes in appointments for the general faculty, including faculty in the colleges and in the library, and for administrative and professional faculty in all areas under educational & general funding.

A. New Appointments

This section includes documentation of all new faculty appointments for the positions noted above. Some appointments, for example visiting faculty, may be “restricted” with a fixed-term appointment. If a senior-level appointment (Associate or Full Professor) is to be made with tenure, it is so noted.

B. Adjustments in Appointment and/or Salary

This section includes a listing and brief explanation of all off-cycle salary adjustments, conversion of positions from classified to faculty status, changes in the percent of employment (example: 50% to 75%), etc.

II. SPONSORED RESEARCH FACULTY

Section II documents appointments and changes to faculty positions funded by sponsored grants and contracts. These positions are usually “restricted” with a fixed-term appointment. Occasionally, appointments may be designated as regular (non-restricted) and will be noted as such.

A. New Appointments

This section includes appointments such as Visiting Assistant Professor, Professional Lecturer, or Instructor, as well as any of the various “Special Research-Ranked Faculty” titles, such as Research Associate, Postdoctoral Associate, or Research Scientist. Faculty appointed to these positions are funded from sponsored grants and contracts on one-year or multi-year appointments, which may be renewed depending on availability of funding, need for services, and performance.

B. Adjustments in Appointment and/or Salary

This section contains annual merit adjustments for faculty not included in the special research-ranked positions, changes in rank, special adjustments made for equity, funding availability, or changes in job responsibilities, and similar changes. Also included are adjustments in the percentage of employment and reappointments.

FACULTY PERSONNEL CHANGES

August 25-26, 2002

TEACHING AND RESEARCH FACULTY**NEW APPOINTMENTS**

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Architecture & Urban Studies</u>					
Dickinson, Joan I	Instructor, Restr	Architecture	8-10-02	100	40,000
Prokopy, Linda S	Visiting Asst Professor	Urban Affairs & Planning	8-10-02	100	42,000
<u>Arts & Sciences</u>					
Hurst, Lisa	Instructor, Restr	English	8-10-02	100	26,000
Lu, Chang-Tien	Asst Professor	Computer Science	8-10-02	100	76,000
Tietjen, Phillip	Instructor, Restr	English	8-10-02	50	14,462
Wheaton, Richard	Instructor, Restr	Computer Science	8-10-02	100	42,000
Yang, Zhaomin	Asst Professor	Biology	8-10-02	100	54,500
<u>Engineering</u>					
Cotton, John R	Asst Professor	Engr Science & Mechanics	8-10-02	100	64,000
Hou, Yiwei Thomas	Asst Professor	Electrical Engr	8-10-02	100	78,000
Meehan, Kathleen	Asst Professor	Electrical Engr	8-10-02	100	80,000
Shukla, Sandeep K	Asst Professor	Electrical Engr	8-10-02	100	70,000
Taaffe, Michael R	Assoc Professor, w/Tenure	Industrial & Systems Engr	8-10-02	100	87,500
Walters, Robert W	Professor, w/Tenure	Aerospace & Ocean Engr	8-01-02	100	160,000
Wyatt, Christopher L	Asst Professor	Electrical Engr	8-10-02	100	65,000
<u>Human Resources & Education</u>					
Graham, Bonnie C	Instructor, Restr	Human Development	8-10-02	100	39,200
Hayhoe, Celia R	Asst Professor	Near Environments	8-25-02	100	61,000
Lawson, Gerard	Asst Professor	Educ Leadership & Policy Studies	8-10-02	100	52,500
McWey, Lenore M	Asst Professor	Human Development	8-10-02	100	48,000
Pierson, Lee	Instructor, Restr	Human Nutrition & Foods	6-17-02	100	48,000
White, William A	Asst Professor	Near Environments	8-10-02	100	50,000

Continued

TEACHING AND RESEARCH FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
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Veterinary Medicine

Martinez, Nivia	Instructor, Restr	Small Animal Clinical Science	8-01-02	100	62,000
Rossmeisl, John	Asst Professor	Small Animal Clinical Science	8-01-03	100	77,500

TEACHING AND RESEARCH FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Agriculture & Life Sciences</u>					
Mills, Bradford F	Asst Professor	Agriculture & Applied Economics	5-25-02	100	70,400
<u>Architecture & Urban Studies</u>					
Stephenson, Max O	Assoc Professor	Dean Architecture	7-01-02	100	81,060
Stephenson, Max O	Assoc Professor	Dean Architecture	8-10-02	100	66,315
Wakefield, Ronald	Professor Eminent Scholar	Building Construction	8-10-02	100	95,740
<u>Arts & Sciences</u>					
Arthur, Terry A	Lecturer	Computer Science	6-10-02	100	25,200
Bradford, Libby G	Lecturer	Computer Science	6-10-02	100	25,200
Campbell, James B	Professor	Geography	8-10-02	100	76,083
Carter-Tod, Sheila L	Asst Professor	English	8-10-02	100	40,000
Cooper, Robin P	Assoc Professor	Psychology	8-10-02	100	59,500
DeWolf, Peggy	Asst Professor	Sociology	8-10-02	25	12,420
Dubinsky, James M	Asst Professor	English	8-10-02	100	50,138
Foti, Roseanne J	Assoc Professor	Psychology	8-10-02	100	63,000
Grossman, Lawrence S	Professor	Geography	8-10-02	100	91,166
Hauenstein, Neil M	Assoc Professor	Psychology	8-10-02	100	59,500
Holloway, Rachel	Assoc Professor	Communication Studies	8-10-02	100	84,000
Luke, Timothy W	Professor Eminent Scholar	Political Science	8-10-02	100	158,094
Lutz, Nancy A	Assoc Professor	Economics	8-10-02	100	72,000
Reisinger, Suzanne	Instructor	English	8-10-02	100	33,202
Shaw, John K	Professor	Mathematics	8-10-02	100	114,638
Stephens, Robert S	Assoc Professor	Psychology	8-10-02	100	62,000
<u>Business</u>					
Yardley, James A	Assoc Professor	Accounting & Information Systems	6-14-02	100	144,800

Continued

TEACHING AND RESEARCH FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Engineering</u>					
Athanas, Peter M	Assoc Professor	Electrical & Computer Engr	8-10-02	100	91,023
Brown, Eugene F	Professor	Mechanical Engr	6-10-02	100	89,254
Collura, John	Professor	Civil & Environmental Engr	8-10-02	100	109,940
Cox, Steven S	Instructor, Restr	Civil & Environmental Engr	8-10-02	100	52,500
Deisenroth, Michael P	Professor	Industrial & Systems Engr	6-25-02	100	128,500
Duma, Stefan M	Asst Professor	Mechanical Engr	8-10-02	100	63,500
Farkas, Diana	Professor	Materials Science & Engr	8-10-02	100	91,392
Knocke, William R	Professor	Civil & Environmental Engr	7-10-02	100	162,580
Phadke, Arun G	Professor Eminent Scholar	Electrical & Computer Engr	8-10-02	100	145,648
Robertshaw, Harry H	Professor	Mechanical Engr	5-10-02	100	107,107
Torgersen, Paul E	Professor Eminent Scholar, Restr	Industrial & Systems Engr	8-10-02	75	70,000
Yoon, Roe-Hoan	Professor Eminent Scholar	Mining & Minerals Engr	6-10-02	100	181,831
<u>Human Resources & Education</u>					
Burton, John	Professor	Teaching & Learning	8-10-02	100	92,878
Driscoll, Lisa G	Asst Professor	Educ Leadership & Policy Studies	8-10-02	100	51,000
Johnson, Scott W	Assoc Professor	Human Development	8-10-02	100	76,387
Magliaro, Susan G	Assoc Professor	Teaching & Learning	8-10-02	100	72,374
Marquis, June H	Asst Professor, Restr	Teaching & Learning	8-10-02	40	12,500
Roberto, Karen	Professor	Ctr-Gerontology	7-01-02	100	94,755
<u>Natural Resources</u>					
Frazier, Charles E	Assoc Professor	Wood Sci & Forest Products	6-10-02	100	80,500

ADMINISTRATIVE AND PROFESSIONAL FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Human Resources & Education</u>					
Shabanowitz, Brian	Finance & Pers Oper Admin	Dean-Human Resources & Edu	7-01-02	100	72,500
<u>Athletics</u>					
Hand, Wesley A	Asst Head Wrestling Coach	Athletics	7-01-02	100	26,000
Ingram, Alayne D	Adm Asst Women's Basketball	Athletics	6-10-02	100	18,000
<u>Executive Vice President</u>					
Penney, Raye	Asst Director-Management Serv	University Internal Audit	5-15-02	100	65,000
<u>Provost</u>					
Christensen, Rachel A	Program Coordinator	Women's Center	8-01-02	100	30,000
Lazar, Maureen	Victim Srvs Outreach Coord, Restr	Women's Center	7-21-02	100	30,000
Nessel, Mary	Cataloger	Library	6-25-02	100	39,000
Bohnen, Evan K	Director of Dev – Arts & Sci	University Development	8-25-02	100	71,500
Christopoulos, Kim M	Director of Donor Relations	University Development	8-12-02	100	60,000
Fritz, Alex J	Assoc Director Gift Planning	University Development	7-25-02	100	68,500
Chapman, Sarah A	Residence Director	Residential & Dining Programs	6-25-02	100	25,000
Crowe, Michael P	Asst Director-Judicial Affairs	Judicial Affairs	7-01-02	100	32,000
Romero-Aldaz, Patrick I	Residence Director	Residential & Dining Programs	7-10-02	100	25,000

ADMINISTRATIVE AND PROFESSIONAL FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Agriculture & Life Sciences</u>					
Alleman, Dawn M	Ext Agent	VA Coop Extension	7-01-02	100	42,000
Austin, Edith A	Ext Agent, FCS	VA Coop Extension	7-01-02	100	47,890
Baker, Scott M	Ext Agent, ANR	VA Coop Extension	7-01-02	100	39,464
Barnes, Laquita D	Ext Agent, FCS/MHCE	VA Coop Extension	7-01-02	100	39,139
Barrow, Melanie W	Assoc Ext Agent, ANR	VA Coop Extension	7-01-02	100	31,600
Baskfield-Heath, Doris Y	Ext Agent, FCS, FHD	VA Coop Extension	7-01-02	100	42,523
Bendfeldt, Eric S	Assoc Ext Agent, ANR	VA Coop Extension	7-01-02	100	36,800
Board, Barbara A	Ext Agent & Acting District Director	VA Coop Extension	8-01-02	100	68,000
Britt, Stephen J	Ext Agent, ANR	VA Coop Extension	7-01-02	100	48,865
Byars, Scott C	Assoc Ext Agent, 4-H	VA Coop Extension	7-15-02	100	35,596
Calhoun, David B	Ext Agent & Acting District Director	VA Coop Extension	7-16-02	100	66,000
Clarke, Carlton T	Ext Agent, ANR, Tobacco	VA Coop Extension	7-01-02	100	39,604
Collier, Patty C	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	51,147
Crunkilton, John R	Interim Assoc Dean & Director	Agriculture Technology 2-yr Prog	6-10-02	100	120,000
Csutoras, Rebecca L	Assoc Ext Agent	VA Coop Extension	7-01-02	100	34,300
Daniel II, James B	Ext Agent, 4-H, Crop & Soil Sci	VA Coop Extension	7-10-02	100	39,825
Davis, Paul H	Ext Agent, ANR, C&S	VA Coop Extension	7-01-02	100	50,357
Estep, Cornelia G	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	42,769
Fisher, Kevin J	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	39,083
Harper Jr., Robert E	Ext Agent, ANR	VA Coop Extension	7-01-02	100	36,300
Kiser, Roy J	Ext Agent, ANR	VA Coop Extension	7-01-02	100	52,678
Lawrence Jr, Marion W	Assoc Ext Agent & Acting Unit Coor	VA Coop Extension	7-01-02	100	43,564
Meador, Marcia B	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	51,917
Moore, David M	Ext Agent, ANR	VA Coop Extension	4-11-02	100	44,896
Morris, Jennifer L	Ext Agent, ANR	VA Coop Extension	7-01-02	100	38,438
Morris, Marilyn O	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	54,003
Mullins, William B	Ext Agent, ANR	VA Coop Extension	7-01-02	100	33,100
Overbay, Andrew E	Ext Agent, ANR, Dairy Sci	VA Coop Extension	7-25-02	100	34,067
Puffenbarger, Susan M	Assoc Ext Agent, Dairy Sci	VA Coop Extension	7-01-02	100	37,500

Continued

ADMINISTRATIVE AND PROFESSIONAL FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
Schalk, Rita J	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	40,815
Schiemann, Calvin A	Ext Agent	VA Coop Extension	7-01-02	100	51,250
Slade, Clifton A	Ext Agent & Acting District Director	VA Coop Extension	8-01-02	100	66,000
Taylor, Faye T	Ext Agent, FHD	VA Coop Extension	4-10-01	100	51,080
Taylor, Faye T	Ext Agent, FHD	VA Coop Extension	6-25-01	100	49,880
Trant, Doris C	Sr Ext Agent, FCS	VA Coop Extension	7-01-02	100	53,131
Wallace, Ruth E	Ext Agent, 4-H	VA Coop Extension	7-01-02	100	38,838
Williams, Mary E	Assoc Ext Agent, 4-H	VA Coop Extension	7-01-02	100	33,600
Williams, James V	Ext Agent, ANR, EH	VA Coop Extension	7-01-02	100	45,505
Word, Cristyl H	Assoc Ext Agent, 4-H	VA Coop Extension	7-10-02	100	31,600

Architecture & Urban Studies

Davis, Albert J	Assoc Dean	Dean Architecture	7-01-02	100	103,400
Knox, Paul L	University Dist Prof & Dean	Dean Architecture	7-01-02	100	160,000

Business

Sorensen, Richard E	Dean, Pamplin College	Dean of Business	7-01-02	100	190,000
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Engineering

Hall, Roderick A	Assoc Dean for Administration	College of Engineering	7-10-02	100	94,300
Avery, Roger J	Interim Vice Provost & Dean	Graduate School	5-10-02	100	144,330
Avery, Roger J	Sr Assoc Dean	Graduate School	8-24-02	100	138,330

Continued

ADMINISTRATIVE AND PROFESSIONAL FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Natural Resources</u>					
Brown, Gregory N	Dean, College of Forestry	College of Natural Resources	7-01-02	100	158,970
<u>Veterinary Medicine</u>					
Eyre, Peter	Dean, Veterinary Medicine	College of Veterinary Medicine	7-01-02	100	174,915
<u>Athletics</u>					
Henrickson, Bonnie M	Head Women's Basketball Coach	Athletics	7-01-02	100	157,211
Lee, Elizabeth D	Alumni Chapter Coordinator	Alumni Association	7-01-02	62.5	30,000
Lee, Mary A	Asst Women's Basketball Coach	Athletics	7-01-02	100	70,000
Patton, Kathryn O	Asst Women's Basketball Coach	Athletics	7-01-02	100	41,556
Stokes, Roderick L	Head Men's Basketball Coach	Athletics	7-01-02	100	157,211
<u>Executive Vice President</u>					
Bowles Jr., Melvin L	Assoc Director	University Internal Audit	7-01-02	100	70,000
<u>Provost</u>					
Ammons, Katie K	Assoc Director	Student Athlete Academic Supp	6-10-02	100	33,000
Hitchingham, Eileen E	Dean of Libraries	Library	7-01-02	100	146,505
Howlett, Colin M	Assoc Director	Student Athlete Academic Supp	6-10-02	100	38,500
<u>Vice President for Administration & Treasurer</u>					
Reed, Elizabeth D	Director, Real Estate Mgmt	Real Estate Management	6-10-02	100	54,000

Continued

ADMINISTRATIVE AND PROFESSIONAL FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
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Vice President for Development & University Relations

Benton, Dianna M	Director of Dev for Univ Prog	University Development	8-10-02	100	33,446
Gleixner, Glenn E	Station Manager, WVTF	University Relations	7-10-02	100	67,455
Theodore, Mary G	Regional Dir of Major Gifts	University Development	7-01-02	100	56,000

Vice President for Student Affairs

Betzel, Cathye K	Counselor	Cook Counseling Center	8-10-02	50	22,798
Childress, Mary C	Asst Director	Career Services	8-10-02	100	26,944
Cox, James C	Program Coordinator	Univ Unions & Student Activities	7-01-02	100	29,000
MacDonald, Jennifer C	Program Coordinator	Univ Unions & Student Activities	7-01-02	100	29,500
Miller, Robert	Director of Counseling	Cook Counseling Center	7-01-02	100	69,000
Schneider, Steven R	Asst Dir Leadership Dev	Univ Unions & Student Activities	8-10-02	100	45,000

Vice Provost for Outreach

Anderson, Myron R	Asst Dir Program Development	Educational Conferences	12-25-01	100	43,556
Neilan, Angela M	Ext/Communication Mgmt Adv	International Research & Dev	7-19-02	100	54,938

SPECIAL RESEARCH FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Agriculture & Life Sciences</u>					
Chiera, Joseph M	Postdoctoral Assoc, Restr	Plant Path, Phys & Weed Science	7-15-02	100	28,000
Kasap, Murat	Postdoctoral Assoc, Restr	Biochemistry	7-01-02	100	30,000
Li, Hong	Postdoctoral Assoc, Restr	Biochemistry	5-15-02	100	27,000
Smith, Patricia A	Research Assoc, Restr	Food Science & Technology	6-01-02	100	50,000
Watkinson, Jonathan I	Postdoctoral Assoc, Restr	Plant Path, Phys & Weed Science	5-10-02	100	40,000
Wolfenbarger, Lillian L	Sr Project Assoc, Restr	Biochemistry	7-10-02	50	31,000
Xu, Qingfu	Postdoctoral Assoc, Restr	Animal & Poultry Science	7-10-02	100	24,000
Zeckoski, Rebecca W	Research Assoc, Restr	Biological Systems Engr	6-10-02	100	28,000
<u>Architecture & Urban Studies</u>					
LeFurgy, Jennifer B	Sr Project Assoc, Restr	Inst Metropolitan Research	5-20-02	100	60,000
<u>Arts & Sciences</u>					
Chshiev, Mairbek	Postdoctoral Assoc, Restr	Physics	9-01-02	100	30,000
Farooq, Afgan	Postdoctoral Assoc, Restr	Chemistry	7-09-02	100	28,000
Hinchey, Michael	Research Professor, Restr	Computer Science	8-10-02	50	50,000
Jejjala, Vishnumohan	Postdoctoral Assoc, Restr	Physics	8-25-02	100	30,000
Kim, Hyong-Jun	Postdoctoral Assoc, Restr	Chemistry	7-01-02	100	26,000
Schnitzer, Marcy H	Postdoctoral Assoc, Restr	Service Learning Center	7-01-02	45	26,000
Snelgrove, Clark	Research Assoc, Restr	Physics	8-10-02	100	35,000
Warren, Paige	Research Scientist, Restr	Biology	7-01-02	100	32,000
Zheng, Mei Ying	Postdoctoral Assoc, Restr	Biology	6-03-02	100	25,000
<u>Engineering</u>					
Abdel-Rahman, Eihab	Research Assoc, Restr	Engineering Science & Mechanics	10-01-02	100	40,000
Arafat, Haider N	Research Assoc, Restr	Engineering Science & Mechanics	10-01-02	100	40,000
Bailey, Elijah J	Research Assoc, Restr	Software Technologies Laboratory	7-10-02	100	37,500
Pohl, John H	Research Professor, Restr	Mechanical Engr	6-01-02	100	100,000

Continued

SPECIAL RESEARCH FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
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Natural Resources

Sun, Nanjian	Research Assoc, Restr	Wood Science & Forest Products	6-03-02	100	30,000
Trobaugh, John	Research Assoc	Forestry	7-01-02	100	60,000

President

Abramochkin, George	Research Assoc, Restr	VA Bioinformatics Institute	6-17-02	100	55,000
Agrawal, Abhishek	Research Assoc, Restr	VA Bioinformatics Institute	5-15-02	100	47,000
Chennupati, Balaprasuna	Research Assoc, Restr	VA Bioinformatics Institute	6-24-02	100	48,500
Formadi, Emmanuel H	Research Assoc, Restr	VA Bioinformatics Institute	7-11-02	100	52,000
Gillespie, Joel	Research Asst Professor	VA Bioinformatics Institute	7-22-02	100	85,000
Jhala, Pradhuman	Research Assoc, Restr	VA Bioinformatics Institute	7-01-02	100	50,000
Kong, Dequan	Research Assoc, Restr	VA Bioinformatics Institute	6-10-02	100	58,000
Lathigra, Raju	Sr Research Assoc, Restr	VA Bioinformatics Institute	7-08-02	100	78,000
Samuels, David	Research Asst Professor	VA Bioinformatics Institute	9-16-02	100	85,000
Shao, Lianhe W	Research Assoc, Restr	VA Bioinformatics Institute	5-15-02	100	50,000
Sun, Wei	Research Assoc, Restr	VA Bioinformatics Institute	6-06-02	100	50,000
Tian, Yuying	Research Assoc, Restr	VA Bioinformatics Institute	5-20-02	100	50,000
Tripathy, Sucheta	Sr Research Assoc, Restr	VA Bioinformatics Institute	7-01-02	100	75,000
Xue, Tian	Research Assoc, Restr	VA Bioinformatics Institute	6-03-02	100	54,000
Zhang, Chengdong	Research Assoc, Restr	VA Bioinformatics Institute	5-20-02	100	55,000
Zhang, Xue Min	Postdoctoral Assoc, Restr	VA Bioinformatics Institute	7-01-02	100	45,000
Zhang, Zhihong	Research Assoc, Restr	VA Bioinformatics Institute	5-15-02	100	42,000
Zhao, Jing	Research Assoc, Restr	VA Bioinformatics Institute	5-15-02	100	51,000

Vice President for Information Technology

DeVries, Marten	Sr Project Assoc, Restr	Vice President Information Sys	5-13-02	50	45,000
Mathai, Matthew T	Sr Project Assoc, Restr	Blacksburg Electronic Village	5-25-02	100	77,000

Continued

SPECIAL RESEARCH FACULTY

NEW APPOINTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
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Vice Provost for Research

Gong, Jianmin	Postdoctoral Assoc, Restr	Ctr for Optical Science & Engr	7-01-02	100	40,000
Hix, Deborah S	Research Scientist, Restr	Systems Research Center	4-25-02	100	98,914
Lin, Yin N	Research Scientist, Restr	Materials Research Institute	6-17-02	100	35,000
Schafrik, Steven J	Research Assoc, Restr	Ctr for Coal & Energy Research	8-10-02	100	48,000

SPECIAL RESEARCH FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
<u>Agriculture & Life Sciences</u>					
Haering, Kathryn C	Research Assoc, Restr	Crop & Soil Env Science	6-25-02	100	33,232
<u>Architecture & Urban Studies</u>					
Armstrong, James	Sr Project Assoc, Restr	Ctr for Public Admin & Policy	7-01-02	100	48,530
Becerra, Racquel L	Project Assoc, Restr	Race & Social Policy Research	7-01-02	100	47,400
Brody, Lori	Sr Project Assoc, Restr	Ctr for Public Admin & Policy	4-25-02	100	58,300
<u>Engineering</u>					
Craig, Ann K	Research Assoc, Restr	Power Electronics Systems	4-10-02	100	74,090
Dietrich Jr, Carl B	Research Asst Professor, Restr	Electrical Engr	5-10-02	100	60,000
Yildirim, Ismail	Postdoctoral Assoc, Restr	Mining & Minerals Engr	4-10-02	100	37,000
<u>Human Resources & Education</u>					
Giles, William L	Research Assoc, Restr	NOVA Ctr for Family Services	5-25-02	60	34,650
Kingma, Lora B	Project Assoc, Restr	Edu Leadership & Policy Studies	7-01-02	100	42,000
<u>President</u>					
Lennon, John J	Research Scientist	VA Bioinformatics Institute	6-24-02	100	93,000
Vines, Richard	Research Assoc, Restr	VA Bioinformatics Institute	5-28-02	100	62,500
<u>Vice Provost for Outreach</u>					
Gebrekidan, Brhane	Sr Research Assoc, Restr	International Research & Dev	7-01-02	100	95,770
Luther, Gregory C	Sr Research Assoc, Restr	International Research & Dev	6-21-02	100	53,844
Moore, Keith M	Sr Research Assoc, Restr	International Research & Dev	7-01-02	100	74,650

Continued

SPECIAL RESEARCH FACULTY

ADJUSTMENTS

NAME	TITLE	DEPARTMENT	EFF DATE	% APPT	ANNUAL RATE
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Vice Provost for Research

Bryson, Michael J	Research Assoc, Restr	VA Tech Transportation Institute	8-10-02	100	64,000
Howard, Jon	Research Assoc, Restr	VA Tech Transportation Institute	8-10-02	100	70,000
Leeson, Brian P	Research Assoc, Restr	VA Tech Transportation Institute	8-10-02	100	67,000
McLaughlin, Shane B	Sr Research Assoc, Restr	VA Tech Transportation Institute	6-03-02	100	71,635
Nadler, Leonore C	Project Assoc, Restr	VA Tech Transportation Institute	6-25-02	100	35,000
Thompson, Christie B	Research Assoc, Restr	Ctr for Wireless Telecomm	6-10-02	50	34,258
Thompson, Christie B	Research Assoc, Restr	Ctr for Wireless Telecomm	8-25-02	100	68,516
Younos, Tamim	Sr Research Scientist	Water Resources Research Ctr	7-01-02	100	69,031

RECOMMENDATION - That the personnel report of new appointments and special actions be ratified.

RESEARCH AND DEVELOPMENT DISCLOSURE REPORT
April 1, 2002 - June 30, 2002

Reason for Conflict	Sponsor	Owner	Principal Investigator	Co - P.I.'s	College	Period of Performance	Award Amount	Short Title⁽¹⁾
Faculty-owned Business	Nanosonic, Inc.	R. O. Claus	Y. Wang	R. O. Claus	Engineering	Jun 02 - Dec 04	\$150,000	High Performance Nanostructured Filters
Faculty-owned Business	Nanosonic, Inc.	R. O. Claus	Y. Wang	R. O. Claus	Engineering	Apr 02 - Mar 04	\$20,000	Photonic Crystals
Faculty-owned Business	Nanosonic, Inc.	R. O. Claus	W. Spillman	No Co-PI	Univ. Center	Jun 02 - Oct 02	\$2,000	Polymer Photonic Claddings by Electrostatic Self Assembly
Faculty-owned Business	Nanosonic, Inc.	R. O. Claus	W. Davis	No Co-PI	Engineering	May 02 - Oct 02	\$8,000	Self-Assembly of Multifunctional Devices on Flexible Nanoscale Surfaces
Faculty-owned Business	Nanosonic, Inc.	R. O. Claus	W. Spillman	No Co-PI	Univ. Center	Apr 02 - Sep 02	\$5,000	Hardware Simulated Acoustic Emission Bragg Grating Sensor with Long Period Grating Interrogation
Faculty-owned Business	Technology in Blacksburg, Inc.	W. Ng	R. Burdisso	No Co-PI	Engineering	Feb 02 - Dec 03	\$100,000	Noise Control of an Organic Air Vehicle
Faculty-owned Business	Prime Photonics, Inc.	R. May & A. Wang	G. Pickrell	No Co-PI	Engineering	Mar 02 - Aug 02	\$42,000	Development of Optical Fiber Pressure Sensors

⁽¹⁾More detailed information on the subject of the project is available upon request.

CLIFTON GARVIN FELLOWSHIP AWARDS

The Clifton Garvin Fellowship Awards were established by the President earlier this year as a way to help maintain morale as well as minimize the loss of the university's best faculty and staff during a time when funds for merit increases are not available. The President identified \$100,000 of unrestricted private funds that were gifted several years ago by Mr. Clifton C. Garvin, who subsequently indicated his support for this fellowship program. Further, the President charged the Executive Vice President and Chief Operating Officer and the University Provost and Vice President for Academic Affairs with administering the program.

The program has been established to provide select faculty and staff with a one-time bonus in recognition of significant accomplishments or to help retain key employees. As a one-time award, the base salaries of the selected employees are not affected. The amount of the award is at the discretion of the Executive Vice President and Chief Operating Officer and the University Provost and Vice President for Academic Affairs.

At the June 2002 meeting the Board approved awards for eleven faculty members identified by the University Provost and Vice President for Academic Affairs. The Executive Vice President and Chief Operating Officer has identified ten individuals in the administrative support units of the University for whom awards are proposed. Since the Board of Visitors must approve all actions related to compensation, the University recommends that the Clifton Garvin Fellowship Awards be approved for these identified individuals.

RECOMMENDATION:

That the Clifton Garvin Fellowship Awards be approved as outlined on the attached schedule.

**Clifton Garvin Fellowship Awards
June 3, 2002**

<u>Name</u>	<u>Title</u>	<u>Department</u>	<u>Award Amount</u>
Nikol Alexander	Assistant Professor	Center for Interdisciplinary Studies	\$5,000
Holly Bender	Associate Professor	Biomedical Sciences and Pathology	5,000
Beverly Bunch- Lyons	Associate Professor	History	5,000
Jean Crockett	Associate Professor	Educational Leadership and Policy Studies	5,000
Stefan Duma	Assistant Professor	Mechanical Engineering	5,000
Barbara Lockee	Associate Professor	Teaching and Learning	5,000
Xiang-Jin Meng	Assistant Professor	Biomedical Sciences	5,000
Shelly Nickols- Richardson	Assistant Professor	Human Foods, Nutrition and Exercise	5,000
Korinn Saker	Assistant Professor	Large Animal Clinical Sciences	5,000
Ron Wakefield	Professor	Building Construction	5,000
Erik Westman	Assistant Professor	Mining and Minerals Engineering	5,000
			<hr/> \$55,000

**Clifton Garvin Fellowship Awards
August 26, 2002**

<u>Name</u>	<u>Title</u>	<u>Department</u>	<u>Award Amount</u>
John Beach	Building Services Division Head	Vice President for Administration and Treasurer	\$5,000
Phil Benchoff	Senior Network Engineer	Vice President for Information Technology	5,000
Terry Bolt	Athletic Development Manager	Vice President for Development and University Relations	5,000
Laura Fornash	Director, Virginia Tech Richmond Center	Office of Governmental Relations	5,000
Kay Heidbreder	Associate General Counsel	Office of General Counsel	5,000
Larry Lawrence	Manager of Accounting Services	Vice President for Budget and Financial Management	5,000
Doug Martin	Senior Human Resources Manager	Vice President for Budget and Financial Management	5,000
Jim McCoy	Director, Capital Design and Construction	Vice President for Administration and Treasurer	5,000
Mike Naff	Director, Administrative Information Systems	Vice President for Information Technology	5,000
Randy Stith	Director, Visual and Broadcast Communications	Vice President for Development and University Relations	5,000
			<hr/> \$50,000

**2002 MEN'S GOLF CHAMPIONSHIP
BONUS RECOMMENDATION**

The Virginia Tech Golf program completed a successful season by winning their second Big East Golf Championship over second-place Notre Dame in tournament play held in South Bend, Indiana. By virtue of winning the Big East Championship, the Hokies earned an automatic bid to qualify for play in the 2002 NCAA Golf Championship. The Hokies, seeded fourth in the central region, were one of two Big East teams chosen to participate in the 2002 NCAA Division I Men's Golf Championship held at the Ohio State University's Scarlet Course in Columbus, Ohio on May 29 through June 1. Virginia Tech entered the final day of the championship in 16th place but finished in 20th place.

In recognition of the dedication and efforts of the men's golf coaching staff, and in accordance with the university's policy regarding post-season play bonus awards paid to Olympic Sport Coaches, the university proposes that a bonus in the amount of \$4,000 be awarded to Coach Jay Hardwick. This bonus is a one-time award and does not affect his base salary. All post-season bonuses are funded from the Athletic Department budget for post-season play.

RECOMMENDATION: That the above bonus award for Coach Jay Hardwick be ratified and approved.

August 26, 2002

UNIVERSITY BONUS POLICY

Whereas, the Commonwealth of Virginia, in the Appropriations Act, provided a bonus for faculty and staff including the President; and

Whereas, the bonus is effective August 30, 2002;

Now, therefore, be it resolved that the Board of Visitors authorizes the university to implement the bonus program as cited in the Appropriations Act.

RECOMMENDATION: That the Board of Visitors authorizes the university to implement the bonus program as cited in the Appropriations Act.

August 26, 2002