

SPECTRUM

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Tech
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University returns to top 50 in NSF research ranking

By Susan Trulove

Virginia Tech has ranked 49th out of 601 universities based on research expenditures of \$216.3 million in 2001, according to the National Science Foundation (NSF) Division of Science Resources Statistics report issued last week. Tech is 34th among public universities.

In fiscal year 2000, the university reported total research-and-development expenditures of \$192.6 million for the NSF survey of colleges and universities nationwide, but ranked 51st despite the twelfth-highest increase among the top 50 universities.

Expenditures include research sponsored by state and federal agencies, private foundations, and industry, as well as

institutional investment in research, both direct and indirect. Institutional investment includes equipment and utilities, for example. Virginia Tech's fiscal year ends June 30, but it takes almost a full year for NSF rankings of the previous fiscal year's expenditures because of the number of institutions and differing accounting periods.

President Charles Steger has challenged the university to achieve top-30 status by 2010. "Prospects for the university to achieve the top-30 goal remain good; our growth in FY 2001 met our expectations," Steger said. "Faculty members are excellent. We have a significant number of young faculty members who have received NSF Career awards."

Four faculty members last year and two so far this year received the awards, which are in

the range of a half million dollars from NSF and are matched by significant investments from industry.

Research expenditures for fiscal year 2002 (the year ending June 30, 2002), which have already been reported to the NSF, are \$232.6 million. In FY 2002, the campus received 2,330 awards totaling in excess of \$157 million dollars. Support for these projects originates from an ever-expanding base of sponsors. Today, there are nearly 1,000 sponsors funding more than 4,000 active projects. Researchers pursue new discoveries in agriculture, biotechnology, information and communication technology, transportation, energy management—including leadership in fuel-cell technology and power electronics, and a wide range of other

(See *UNIVERSITY* on 4)

Certificate Authority designed to improve computer security

To address the security needs of the university's computer network, the Information Systems and Computing Group is establishing the Virginia Tech Certificate Authority, a service that will provide digital certificates to securely sign documents, secure transactions, and protect identities.

The service is the main component of the university's new public key infrastructure (PKI), a system of digital keys assigned to computer users to verify identity. "When PKI is widely deployed, it will increase security and make it possible to use digital signatures in situations where a written signature is required today," said Pat Jackson, associate vice president for information systems and computing.

The first phase of the new service establishes the Virginia Tech root certificate authority and the Virginia Tech Class 1 server certificate authority, which are comparable to virtual passport offices. They certify a user's identity and privileges before granting a digital certificate containing an electronic key, or signature. The digital certificate guarantees the source and authenticity of data transmitted by a user. The certificate can be used for on-line services that use the university's new Enterprise Directory to authenticate faculty and staff members and students.

James Powell, director of the Internet Application Development Group, said the certificate authority is a crucial infrastructure component. "It will enable us to begin constructing a hierarchy of more specific certificate authorities for Virginia Tech that in turn make things like server certificates for secure web services and personal digital certificates that can be used for signing documents and electronic communications," Powell said.

The Information Systems and Computing Group held a key-generation ceremony April 10 at which administrators received keys to launch the certificate authority. Using multiple administrators ensures security because it requires all key holders to be present when the system is established or accessed. "It is imperative that we use the strongest security methods available to protect the digital private key," said Frank Galligan, the project manager of the Virginia Tech Certificate Authority. He said several security methods will be used to protect the certificate authority's private key.

Establishing a certificate authority will eliminate the university's need for certificates from commercial vendors, such as Verisign and Thawte, lowering the cost per certificate to allow more users to take advantage of the technology. Once established, service costs will remain low and will mainly involve hardware-support contracts and personnel costs.

Future phases of the project will provide certificates for securing web-server transac-

(See *AUTHORITY* on 2)

Business functions re-organized; Smoot to head foundation

By Larry Hincker

Raymond Smoot, vice president for administration and treasurer, will assume a new role as executive vice president and chief operating officer for the Virginia Tech Foundation. Concurrent with this move, the university business and administrative functions will be re-organized.

"This is another step in repositioning the university to identify and maximize funding from non-governmental sources and to fully utilize the university-related corporations in support of university initiatives. We need to have one person giving unified leadership and daily attention to our considerable affiliated organizations to maximize revenues and advantages for the university," President Charles Steger said.

Smoot now will have the lead responsibility for university relations with its related corporations with particular attention to business and financial affairs. Those corporations are the Virginia Tech Foundation, Virginia Tech Services, VT Corporate Research Center, VT Intellectual Properties, Hotel Roanoke Foundation, VT Real Estate Foundation, VT Athletic Fund, The River Course LLC, VT Alumni Association, VT Corps of Cadets Alumni Association, WPI, and the Olivio Ferrari Foundation in support of the European Studies Center. He will also work with various governmental commissions and authorities of which the university is a member.

On the scope of the operation and the need for full time oversight, Smoot said, "Our allied businesses alone are equivalent to those of a medium-sized university with assets in excess of \$700 million including the university's \$320-million endowment. Their efficient operation and growth is critical to the success of the university and the overall university infrastructure."

Executive Vice President and COO Minnis Ridenour said, "This new emphasis will allow Ray to devote more time to the growth and development of our related

(See *BUSINESS* on 4)

Pendergrass to be special guest speaker at Founders Day

By Meredith Long, University Relations intern

Founders Day is the university's celebration of its history as well as a coming together of faculty and staff members, students, and alumni to honor those who are awarded the Ruffner Medal, the University Distinguished Achievement Award and the Alumni Distinguished Service Award.

The convocation will begin at 3 p.m. in Burruss auditorium on Friday, April 25. This year's special guest speaker will be Dean of Students Barbara Pendergrass.

As dean of students, Pendergrass focuses on creating ways for students to have the opportunity to voice their opinions and come together as a community. She works with students to plan and implement diversity programs and

(See *PENDERGRASS* on 4)



PENDERGRASS

An Invitation to Founders Day from President Charles W. Steger

The United States and the world are facing many challenges right now. We had expected to hear from ABC News Correspondent Pierre Thomas, Class of '84 as our scheduled keynote speaker for the Founders Day Convocation. Unfortunately, because of the war in Iraq, Mr. Thomas will not be able to share with us his views of the world situation. We are delighted that an esteemed colleague, Dean of Students, Dr. Barbara Pendergrass, has agreed to address the university community. As Dean Pendergrass nears the end of her distinguished Virginia Tech tenure, I know that her many years of service to the students and the university community at large, will give her a unique perspective on the challenges facing us.

Founders Day 2003 will celebrate the 131st anniversary of Virginia Tech's founding. The convocation on Friday, April 25, at 3 p.m. in Burruss Hall auditorium will also provide us the opportunity to announce four of the university's highest awards—two Alumni Distinguished Service Awards, the University Distinguished Achievement Award, and the Ruffner Medal.

Immediately after the convocation, there will be a Corps of Cadets Review Ceremony on the Drillfield, at which time we will publicly announce the naming of the Major General W. Thomas Rice Center for Leader Development. The Review Ceremony will be followed by a reception in Owens Banquet Hall.

Many of you will have already received an invitation to participate in the Founders Day Convocation by participating in the academic procession that day. If you are unable to join the procession, I invite you to make plans to attend as a member of the audience.

In addition, I personally invite each member of the university community to attend the Virginia Tech Founders Day Convocation 2003 and join in the celebration as a member of the audience.

I look forward to seeing you on April 25.

Sincerely,

Charles W. Steger, president

ACTIVITIES

EVENTS

Sunday, 20

TA Event, 2 p.m., Squires Studio Theatre: Human Rites.

Easter Buffet, 11 a.m. to 1:30 p.m., DBHCC.

Music Event (rescheduled from 2-16), 4 p.m., Squires Recital Salon.

Monday, 21

Administrative Professionals Week.

On-campus Bloodmobile (through 4-23).

University Council, 3 to 5 p.m., 1045 Pamplin.

Tuesday, 22

TA Event, 8 p.m., Squires Studio Theatre: Human Rites (through 4-26).

Wednesday, 23

Administrative Professionals Day.

YMCA Mornings, 9:30 to 11:30 a.m., Luther Memorial Church.

"With Good Reason," 7:30 p.m., WVTF.

New River Valley Symphony Spring Concert, 8 p.m., Burruss auditorium: Mozart's Grand Mass in C minor.

Thursday, 24

Take Daughters to Work Day.

Friday, 25

Founders Day, 3 p.m., Burruss auditorium.

Friday, 18

MCBB, 12:20 to 1:10 p.m., Fralin auditorium: Deborah Allen, University of Delaware.

Geological Sciences, 3:30 p.m., 4069 Derring: John Grotzinger, MIT.

MSE, 3:30 p.m., 100 Hancock: Brian Okerberg, Martha McCann.

Monday, 21

Geological Sciences, noon, 4069 Derring: Jean Bahr, University of Wisconsin-Madison.

Friday, 25

MCBB, 12:20 to 1:10 p.m., Fralin auditorium: Claude dePamphilis, Penn State.

MSE, 3:30 p.m., 100 Hancock: Elaine Scott.

BULLETINS

Solar house tour scheduled for Earth Day

Virginia Tech's solar house will be open to the public on Earth Day, Tuesday, April 22, from 2 to 6 p.m. at the Research and Demonstration Facility off Plantation Road in Blacksburg. The 530-square-foot house was designed last year by students and faculty members in the College of Architecture and Urban Studies and the College of Engineering to compete in the national Solar Decathlon. The competition was held last fall in Washington, D.C., The house placed fifth overall, and took first place in two of the 10 categories.

The house incorporates unique and future technologies. A seven-minute promotional video of the house, produced by University Visual and Broadcast Communications, will also

debut at the event.

The house has been featured on Home and Garden Television and the DIY Channel, as well as numerous trade magazines and newsletters. For more information, go to www.caus.vt.edu/vtsolar.

New BT Conference Pass Program offered

The Office of Transportation at Virginia Tech and Blacksburg Transit (BT) have developed a new program specifically designed for conference guests of Virginia Tech. For a minimal up-front fee, guests can ride the BT fare-free around campus, around town or to the mall.

The program is designed to make it easier for guests to use the Hokie Express around campus or one of the other BT routes around town. Fares are structured to be affordable. A three-day conference with 90 participants, for example, would cost \$50 for everyone to ride the BT for all three days.

For more information, contact Suzanne Ducker at sducker@vt.edu or 1-1737.

Free campus maps available

University departments may obtain 25 free campus maps by calling Phyllis Olinger at 1-6867 or e-mailing her at phylo@vt.edu.

Veterinary College virologist to discuss small pox

By Jeffrey S. Douglas

Small pox is now viewed as the number-one threat among a host of bio-terror agents that might be deployed against America and an immunization program is under way.

Thomas Toth, a virologist on the faculty in the Virginia-Maryland Regional College of Veterinary Medicine will present a one-hour lecture entitled "Small Pox: Agent, Disease, Bio-threat," in the Donaldson Brown Hotel and Conference Center auditorium from 3 to 4 p.m. on Monday, April 21. The public is invited to attend.

"Small pox has again emerged as an enormous public-health issue, even though there are no cases," said Toth, who works in the college's Center for Molecular Medicine and Infectious Diseases. "People need to understand more about this disease. The more they know, the less they are prone to panic. For example, we don't need parents seeing chicken pox on their children and panicking."

Toth's presentation will include basic information about the virus and the disease it causes, the historic eradication effort that successfully eliminated it in the mid-20th century, the current immunization program under way, as well as some of the countermeasures which are being taken to protect the nation from a small-pox-virus-based bio-terrorist attack.

He will also share images that depict the disease and help differentiate it from others that cause lesions that are similar in appearance.

Undergraduate Research, Potential Graduate Student Conference scheduled

The First Annual Virginia Tech Undergraduate Research and Potential Graduate Student Conference will be held Monday, April 21, from 8:30 a.m. to 2 p.m. in Squires Student Center.

Sponsored by the Center for Academic Enrichment and Excellence and the Office of the Provost, the conference offers a professional forum for undergraduates to showcase the results of their involvement in scholarly research and gain essential information relevant to their pursuit of graduate study.

This professional development opportunity is intended to support the research mission of the university, enrich the educational experience for undergraduates at Virginia Tech, enable students to enhance their oral-communication skills through a scholarly exchange of information and ideas, and assist undergraduates in exploring graduate education as a post-baccalaureate option.

Specifically, the Virginia Tech Undergraduate Research and Potential Graduate Student Conference will offer a means for students to share/exchange research information and ideas in a professional setting; encourage awareness of undergraduate research and celebrate students' involvement; assist students in devel-

oping effective presentation skills; strengthen public-speaking skills and other essential competencies necessary for success in graduate school; facilitate interactions and networking opportunities between faculty members/administrators and undergraduate students; and provide an opportunity for students to learn more about preparing and securing funding for graduate school.

Students will give oral and poster presentations. Presentations will be judged and first- and second-place prizes will be awarded for the two best oral and poster presentations per academic category. Topics for the graduate school information session include understanding the graduate application and admissions process, preparing for graduate admissions tests, getting involved in undergraduate research, and funding graduate school.

Mark McNamee, university provost and vice-president for academic affairs will present opening remarks. A luncheon will follow all conference activities with Karen DePauw, vice-provost for graduate studies and dean of the Graduate School as the keynote speaker.

Contact Sonja Crockett (scrockett@vt.edu) or Miya Simpson (misimpso@vt.edu) at 1-4133 for more information.

AUTHORITY

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tions and will make it possible to issue personal digital certificates that might be incorporated into smart cards. These services will increase security for web sites, e-commerce, on-line transactions and communications, course environments, and administrative processes. Every

area of the university community will be able to use the service, including information technology specialists, researchers, webmasters, administrators, faculty and staff members and students.

For more information, visit <http://www.iad.vt.edu/>.

NSF CAREER Program workshop offered

An NSF CAREER Program workshop will be held on Friday, April 25 in the Fralin Center auditorium, from 3 to 5 p.m. The workshop is aimed at untenured, full-time teaching faculty members and will focus on practical strategies for developing successful proposals.

CAREER awards are made to outstanding young teacher-scholars who present career-development plans that effectively integrate research and education, with an emphasis on combining the excitement of research with inspired teaching. These are substantial awards that will support significant multi-year research plans. Over the years, Virginia Tech faculty members have done well in the national competition with nearly three dozen CAREER winners among active faculty members.

Current NSF CAREER guidelines and procedures will be reviewed, with tips for successful proposal writing. Also featured will be short presentations and a panel discussion by recent Virginia Tech CAREER Award winners. The informal workshop will conclude with a question-and-answer period.

All untenured, full-time faculty members in the following disciplines are eligible for CAREER awards: biological sciences, computer/information sciences, education, engineering, geosciences, math/physical sciences, social/behavioral sciences.

The CAREER program description is at www.nsf.gov/pubs/ods/getpub.cfm?nsf02111. The CAREER FAQ is at www.nsf.gov/pubs/2003/nsf03031/nsf03031.htm. Those who plan to attend should contact Debbie Nester at debbiell@vt.edu or phone 1-5410.

CAMPUS UPDATE

Residence hall named for African American pioneers dedicated

By Clara Cox

More than 500 people attended the ceremony to dedicate Peddrew-Yates Residence Hall on campus recently. The building, which is the first at the university to be named for African Americans, honors Irving L. Peddrew III, the university's first black student, and Charlie L. Yates, its first black graduate.

Naming the building after these two pioneers of desegregation was approved by the Board of Visitors in mid-2002. Formerly known as New Residence Hall West, the building opened in the fall 1998 and currently accommodates 219 students who participate in the Residential Leadership Community, one of Tech's 10 theme-housing programs.

"I cannot comprehend the monumental obstacles faced by Mr. Peddrew and Dr. Yates when they were students at Virginia Tech. What I do know, however, is that their sacrifices some 50 years ago have made it possible for African-American students today to not be faced with those same obstacles," President Charles W. Steger said during the dedication ceremony.

Peddrew enrolled in September 1953 in electrical engineering and was the only black student on campus during his first year. He left Tech at the end of his junior year and took courses at the University of Southern California, Los Angeles Community College, and Santa Monica City College. He is a graduate of the Columbia School of Broadcasting.

Peddrew worked in the aerospace and fruit industries, for Newport New Shipbuilding, and at Hampton University before his retirement in 1994.

"When I enrolled in Virginia Polytechnic Institute 50 years ago, I never imagined that some day Virginia Tech would name a building for me, and particularly a residence hall. Back then, I wasn't even allowed to live on campus. So while this is an ironic honor, it is still a great honor and one that my family and I will cherish," Peddrew said during the dedication ceremony. The

(See RESIDENCE on 4)



VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

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Department of Music sponsors Alumni Weekend

The Department of Music is sponsoring the second annual Music Education Alumni Weekend April 24-26.

Twenty alumni are returning to campus to lead seminars, classes, and conduct ensembles for Tech's undergraduate music-education majors. Featured this year are the 2003 Virginia Teacher of the Year, Douglas Armstrong, *Bella Voce* from Christiansburg Middle School, and the Blacksburg High School Symphonic Band. Armstrong, a 1981 Virginia Tech music education graduate, is the band director at Brooke Point High School in Stafford County. The former drum major of the Marching Virginians was named 2003 Virginia Teacher of the Year by the Council of State School Officers and Scholastic Inc.

Armstrong will give the keynote address for alumni weekend. Lynn Gregory, also a 1981 graduate, directs *Bella Voce*, Christiansburg Middle School's select choral ensemble. Gregory has been a featured conductor and clinician at Virginia Music Educators Association state conferences, and she also conducts the Montgomery County Boys Choir. The Blacksburg High School Symphonic Band has been designated a Virginia Honor Band by the Virginia Music Educators Association. All seminars and performances are open to the public.

Contact Vernon Burnsed in the Department of Music for program information.

PERSONNEL SERVICES INFORMATION

Health Insurance Enrollment Period Now Open

(Editor's note: The following information is excerpted from a memo by Douglas D. Martin, senior human-resources manager.)

The annual open-enrollment period for health-care changes will be during the period April 15 through May 16. This year, the health-insurance program will incur major changes to be effective July 1, 2003. There will be a new plan known as COVA Care plan that combines key features of the former Key Advantage and Cost Alliance plans into one, single self-funded plan. It includes enhanced benefits for all state employees, including an annual wellness check-up, expanded provider network, elimination of the requirement to select a primary-care physician (PCP) and greater access to specialists. For more information, see the *Spotlight* newsletter.

Open enrollment is the one time a year that employees may make plan and/or membership changes, enroll as a new member, or waive coverage. New ID cards will be mailed in June to the employee's home address.

All employees who have an e-mail address are encouraged to use EmployeeDirect during this enrollment period. EmployeeDirect allows employees to view their own personal health-insurance screen; verify personal information (dependents listed on plan, birth dates, Social Security numbers, addresses, etc.); make plan or membership changes during the open enrollment period, and make membership changes during the year if there is a life event.

It is imperative that employees' addresses be correct on the health-insurance screen so that they receive their new ID card in June.

Benefits-enrollment sessions are scheduled around campus as follows: April 18, from 9 to 10:30 a.m., CEC auditorium; 2 to 3:30 p.m., Owens Banquet Room**; April 21, 9 to 10:30 a.m., Owens Banquet Room**; April 23, 3 to 4:30 p.m., Wallace atrium; April 24, 2 to 3:30 p.m., Owens Banquet Room**; April 28, 1:30 to 3 p.m., CEC conference room F; April 29, 8:30 to 10 a.m.; Fralin auditorium; 2:30 to 4 p.m., Wallace atrium; April 30, 3 to 5 p.m., Hancock auditorium; May 2, 9 to 10:30 a.m., Owens Banquet Room**; 3 to 4:30 p.m., classroom 100/Phase II.

** Due to limited space or the large volume of employees in these departments, sessions marked with asterisks will only be offered to those employees who work within those department(s) associated with the facility. However, employees who have scheduling conflicts and can only attend on one of those dates may participate in those sessions.

For more information, contact the Benefits Office at 1-7779 or 1-3781 or e-mail leighann@vt.edu or sucompto@vt.edu.

EMPLOYMENT

The following classified positions are currently available. Position details, specific application procedures/position-closing dates may be found on Personnel Services web site <http://www.ps.vt.edu>. Positions are also listed on the Job Line, a 24-hour recorded message service. For information on all job listings, call 1-5300. Some positions include state benefits. Positions with numbers beginning with "W" are hourly and do not include state benefits. Individuals with disabilities desiring assistance or accommodation in the application process should call by the application deadline. Closing date for advertised positions is 1 p.m. Monday. An EO/AA employer committed to diversity.

CLASSIFIED POSITIONS

FULL TIME

Two food-service positions available.

Accountant Senior, 002068F, PB 4, Controller's Office.

Administrative/Financial Services Associate, 007981Y, PB 4, IRED.

Animal Care Technician, 003322M, PB 2, CVM.

Associate Director of Culinary Services, 002947H, PB 5, RDP.

Computer Resources Administrator/Bookkeeper, 000505B, PB 3, History.

Director of Construction Services, 008082F, PB 6, CDC.

Electrician, 001691F, PB 3, Physical Plant.

Executive Food/Beverage Director, 006838Y, PB 5, DBHCC.

Grounds Worker, 000251F, PB 1, PPG.

Highway Equipment Operator A, 000540F, PB 2, PPG.

Housekeeping Leader Senior, 000102H, PB 1, RDP.

Housekeeping Utilities/Special Projects Crew, 001746H, PB 1, RDP.

Housekeeping Worker, P002005G, PB 1, Physical Plant.

Industrial Hygiene Technician, 007802F, PB 3, EHSS.

Laboratory Specialist, 008078M, PB 4, CVM.

Laboratory Specialist, 007031M, PB 3, CVM.

Laboratory Specialist Senior, 008054M, PB 4,

PPWS.

Office Specialist, 002236H, PB 2, RDP.

Powerline Worker, 006524F, PB 3, Facilities.

Programming/Resource Staff Director, 008081F, PB 6, University Architect.

Sous Chef, 002946H, PB 3, RDP.

Staff Architect, 008079F, PB 5, University Architect.

Storage Facility/Circulation/Reserve Assistant, 000489G, PB 2, LCR.

Unit Manager, 007961H, PB 5, RDP.

PART TIME

Field Technician Assistant (Telecommunications), W023203A, PB 2, CNS.

ICU Veterinary Technologist Large Animal, W022218M, PB 2, VTH.

Lab Assistant, W023536M, PB 3, HNFE.

Laboratory Specialist, W023542M, PB 4, PPWS.

Laboratory Technician Senior, W022172M, PB 2, VTH.

Office Services Assistant, W022062S, PB 2, Parking Services.

Programmer, W023544Y, PB 4, IRM.

Radiologic Technologist, W022238M, PB 3, Schiffert Center.

Small Animal Veterinary Technician, W020101M, PB 4, VTH.

Starter Marshall/Shop Attendant, W022113J, PB 1, Golf Clubhouse.

OFF CAMPUS

Chesapeake 2000 Coordinator, 008073J, PB 5, FWS.

Court Specialist, 007984J, PB 4, CPAP.

GIS Technician, CCCCC, PB 0, CMI.

Nursing Shift Supervisor, 002996M, PB 2, EMC.

Project Assistant, 006947J, PB 3, CPAP.

Unit Administrative Assistant, 008077M, PB 3, VCE.

Wildlife Worker, 006643B, PB 2, Biology.

FACULTY POSITIONS

INSTRUCTIONAL

Bradley Department of Electrical and Computer Engineering: Instructor. Contact: W.L. Stutzman, Bradley Department of Electrical/Com-

puter Engineering (0111).

Virginia-Maryland Regional College of Veterinary Medicine, Department of Large Animal Clinical Sciences, Tenure Track Assistant/Associate Professor of Food Animal Theriogenology. Contact: Craig D. Thatcher, Department of Large Animal Clinical Sciences, (0442).

Finance, Insurance and Business Law. Visiting Assistant or Associate Professor of Finance. Instructional and research faculty. Pamplin College of Business. Contact: Julia Acton, (jacton@vt.edu).

Department of Human Development. Curriculum Director/Instructor in Child Development/Early Childhood Education. Victoria R. Fu, Department of Human Development, (0416).

NON-INSTRUCTIONAL

Sustainable Engineered Materials Institute. Research Scientist. Contact: Frederick Kamke, Sustainable Engineered Materials Institute, (0503).

Dean of Students. Coordinator of Multicultural Programs. Contact: Kimberly Philpott, Office of the Dean of Students, 152 Henderson Hall (0255).

Center for Excellence in Undergraduate Teaching. Coordinator of University Writing Program. Contact: Terry M. Wildman, Center for Excellence in Undergraduate Teaching, (0453).

Virginia Tech Transportation Institute. Sr. Research Engineer. Contact: Cindy Wilkinson, VTTI, 3500 Transportation Research Plaza, Blacksburg.

Department of Crop and Soil Environmental Sciences. (CSES) Assistant/Associate Professor, Extension Grains Specialist. Contact: Steven C. Hodges, Department of Crop and Soil Environmental Sciences, (0404).

CSES. Assistant/Associate Professor, Extension Turfgrass Specialist. Contact: Steven C. Hodges, Crop and Soil Environmental Sciences, (0404).

NON-INSTRUCTIONAL

Extension Agent. Family/Consumer Sciences/Community Initiatives. Management, Housing and Consumer Education, Chesterfield County. Eleanor Schlenker, Virginia Cooperative Extension, 121 Hutcheson Hall, (0437).

STUDENT DEATH NOTICE**IN OTHER NEWS**

Eddie Hurley, a Northern Virginia graduate student in the College of Engineering; Ian A. Kruske, a student in the College of Engineering, and Mahmudur Khan, a senior in the College of Engineering.

BUSINESS

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corporations, give attention to the business and financial management of the corporations, and ensure the corporations are generating support that will benefit the university. With this organizational structure and Ray's strong leadership skills, we will further advance the strategic agenda of the university. Just as important are organization changes in business affairs, administration, and finance."

Ridenour says that many of the university's non-academic ventures have required the leadership or involvement of affiliated corporations. "The most visible and successful venture is probably the Corporate Research Center," Ridenour said.

"It is clear that these affiliated corporations and unique partnerships play a significant and increasingly important role as we continue implementing the strategic plan and climb to our goal to be one of the nation's leading research universities. Their growth, development, and management support our mission of teaching, research, and outreach," Steger said.

The business and administrative re-organization and creation of full-time executive leadership at VTF bolsters institutional efforts to find major new sources of revenue through the related corporations, new business development, and increased involvement at the state and federal levels. According to Ridenour, "These changes establish an organizational structure with strong leadership that will enhance funding for the university and to help to position the university for continued growth toward the top 30. Strong and effective leadership in these areas will have a significant influence on the funding for this university over the next several years."

Smoot begins full time at the foundation and other entities July 1. Ridenour has begun a search for a vice president for business affairs overseeing Environmental Health and Safety; University Architect; Facilities; Capital Projects; University Police; Real Estate Management, and Transportation and Parking. Personnel Services also moves to this vice presidency enabling executive leadership on human-resource and management development. The search for the vice president for business affairs is expected to be completed by late summer.

RESIDENCE

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first African-American students were required to live and eat off campus.

Yates enrolled a year after Peddrew and completed his undergraduate studies in mechanical engineering in 1958. He graduated with honors and proceeded to Cal Tech, where he earned a master's degree. He later received a Ph.D. from Johns Hopkins University.

Yates worked at the Johns Hopkins University Applied Physics Laboratory, which conducted research and development work for the U.S. Navy, for 19 years and then returned to his alma mater as an associate professor of mechanical engineering. He left after four years to teach in eastern Virginia but maintained his association with Tech by serving on the Board of Visitors. He returned to Tech in 1987 as associate professor of aerospace and ocean engineering and retired in 2000. He currently holds the title of professor emeritus of aerospace and ocean engineering.

The building dedication ceremony was one of the highlights of a year-long series of events marking the 50th anniversary of Peddrew's enrollment.

NCATE accreditation based on new conceptual framework

By Annette Calhoun

Twelve representatives from the National Council for Accreditation of Teacher Education (NCATE) and the Virginia Department of Education reviewed Virginia Tech's teacher-education programs last week. NCATE is the professional accrediting body for colleges and universities that prepare teachers and other professional personnel for work in elementary and secondary schools.

Patricia Proudfoot Kelly, director of the Center for Teacher Education, said faculty and staff members spent over two years developing a conceptual framework to meet new, performance-based standards established by NCATE. "We are required to show a broad input from various constituencies on how faculty members and pre-service teachers teach and impact their students," Kelly said. NCATE wants proof that teacher candidates know their subjects and know how to

teach them effectively.

Virginia Tech is one of the first universities in the nation to provide a totally electronic institutional and state report, with substantiating data linked on line. (www.chre.vt.edu/NCATE)

Previously, outside consultants prepared voluminous reports, filling a classroom with crates of paper documentation. But Kelly and her colleagues knew higher standards mandated by NCATE meant changing the internal process and the method of report generation.

"Originally, we thought we couldn't do this electronically," Kelly said. As the educational faculty became fully involved in developing common assessments, computers made it easier to communicate and to access vitae, syllabi, rubrics, and other performance data. "Now, the required yearly updates will be timely and complete."

To continue to be accredited, Virginia Tech must pass each of the six NCATE standards, although a weakness is allowed if it is addressed appropriately. In the university's last review, a lack of faculty diversity was cited. Kelly said Virginia Tech's conceptual framework emphasizes learning for all, with cornerstones of diversity, research, content, and technology.

Meeting NCATE's high standards is critical, Kelly said. Title II of the Higher Education Act establishes federal accountability requirements for institutions and states on teacher preparation and licensing. If 70 percent of an institution's teacher graduates do not pass their licensure exams, the entire facility could lose all federal funding.

NCATE is expected to issue its assessment of the professional-education programs in October, 2003.

Greenberg hired as head men's basketball coach

Director of Athletics Jim Weaver has announced the hiring of Seth Greenberg as head men's basketball coach.

"I believe we have found someone who has extensive head basketball coaching experience and beneficial recruiting ties throughout the eastern seaboard," Weaver said. "I am pleased to welcome Seth to the Virginia Tech athletics family."

Greenberg comes to Virginia Tech from the University of South Florida, where he has served as head coach for the past seven seasons. At USF, Greenberg had a record of 108-100. Before USF,

Greenberg was the head coach at Long Beach State University, where his overall record was 105-70. In his 13 years as a head coach, Greenberg has an overall record of 213-170.

At South Florida, his teams were 2-0 against Ohio State, had two wins over Texas and won at Pittsburgh during the Panthers' run to the Sweet 16 in the 2001-02 season.

At South Florida, Greenberg led the Bulls to two National Invitation Tournament appearances and numerous victories in Conference USA play and against nationally-ranked opponents. This past season, the Bulls

finished 15-14 overall and 7-9 in the National Division of C-USA. The Bulls defeated Big East member Providence and NCAA Tournament participants Memphis and East Tennessee State, plus NIT participant St. Louis.

"I am very excited about the challenge and opportunity presented at Virginia Tech," Greenberg said. "Everything is in place to have one of the elite programs in the Big East Conference. I look forward to visiting with Coach Foster, Coach DeVoe and Coach Moir to pick their brains regarding the process they went through to build a rich Virginia Tech tradition."

PENDERGRASS

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leadership opportunities for students. She strives to broaden the dialogue between cultures as well as address diversity issues with her students.

Pendergrass was appointed the dean of students in July 1998. She immediately began putting together a plan of action for creating a diverse community with the establishment of the Diversity Summit program, which takes place annually on Martin Luther King Day. This event serves as a tool to bring people of all cultures and backgrounds together to voice their opinions and views about the university's progress in the area of inclusion.

Pendergrass serves as an advisor for the Multicultural Awareness Programs (MAPs), where she assists in the development of the annual Celebration of Diversity. She also established Students' Voice in 2002. This program involves the careful selection of students to serve as a "think tank" for issues and concerns presented to the Dean of Students Office. Students review policies and procedures that involve student life and provide feedback to the office.

Pendergrass was the impetus for creating the Multicultural Fellows, a collaborative effort between the Dean of Students Office, Office of the Vice President for Multicultural Affairs and the political-science department, that provides an on-going forum for faculty and staff members interested in assisting the university with its goals of becoming a more-inclusive and welcoming community.

The Dean of Students Office, under the leadership of Pendergrass, was awarded Virginia Tech's Exemplary Department Award in 2000. "Barbara's contribution to the campus community is probably impossible to fully put into words," said Tom Brown, associate dean of students. "She has been the most amazing role model for so many students, faculty and staff members. Her steady guidance and unwavering

principles have challenged many of us to think in ways that are embracing and inclusive. Anyone exposed to her example and influence walks away empowered and inspired to reach for higher levels of achievement, teamwork and compassion for everyone."

Pendergrass has served as dean of students for four and a half years. Before being appointed dean of students, she was associate dean of students in 1994 and assistant to the vice president for student affairs in 1989. Pendergrass began working at Virginia Tech in 1979 as a counselor. While working at Virginia Tech, she completed her doctoral degree in counselor education in 1987.

Pendergrass received her master's degree from Fort Valley State University in Georgia in 1975. She completed her bachelor's degree at South Carolina State University in 1973 in sociology with a minor in social welfare.

UNIVERSITY

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engineering, scientific, and social science, creative, and scholarly fields.

In the current fiscal year, which began July 1, 2002, research contracts and grants again show growth from the previous fiscal year. Awards don't translate directly into expenditures for the same year, since many are paid over several years.

The 2001 ranking of other Virginia universities are: (78) University of Virginia, \$149.5 million; (104) Virginia Commonwealth, \$99.2 million; (158) William and Mary, \$35.8 million; (162) George Mason University, \$32.8 million; (183) Eastern Virginia Medical College, \$26.2 million; (186) Old Dominion University, \$24.6 million.

The ranking table (B32) and source of funds table (B35) are available at www.nsf.gov/sbe/srs/nsf03316/sectb.htm#rd3. Other National Science Foundation, Division of Science Resources Statistics data are available at www.nsf.gov/sbe/srs/stats.htm.