

SPECTRUM

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VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

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Service Learning Center moves to UOIA

By Clara B. Cox

Virginia Tech's Service-Learning Center, a unit in the College of Arts and Sciences since its inception in January 1995, has been moved into the newly re-organized University Outreach and International Affairs (UOIA).

The center, which promotes the integration of community service and academic study to enhance learning and deepen civic responsibility, now reports to Doug McAlister, who heads Program Development for UOIA.

Last year, the center placed more than 1,350 students in service-learning opportunities, providing local communities with nearly 30,000 hours of service. Projects involving Virginia Tech students ranged from monitoring the health of Stroubles Creek and taking action to remove portions of it from the Virginia impaired-waters list to engaging in community beautification and cultural preservation in unincorporated Appalachian communities.

The center also supports a variety of courses that include a community-service component and participates in several university-community partnerships, fosters opportunities for student leaders, and collaborates with other programs across campus that engage students in putting their knowledge to work for the community.

According to Michele James-Deramo, director of the Service-Learning Center, the center's work had not been limited to the college. "For this reason, we have been asking for several years to become a

(See *SERVICE* on 4)

A Statement on State Budget Reductions

By Charles W. Steger, president

The recession and its impact on the state's budget have dealt the citizens a severe blow. We understand the problems facing our elected leaders and their limited choices in addressing reductions of state revenues. Nonetheless, these decisions will have a significant impact on our students and their families.

After the additional cuts announced Tuesday, the University Division (the educational component of the university), will see its baseline appropriation of \$185 million reduced by a grand total of \$52.4 million. If we were to absorb all these cuts without a tuition increase beyond that already planned for FY 04, we would be forced to eliminate about 300 jobs within this division. This is in addition to the 144 jobs already lost in the Round 1 reductions.

We could see the reduction of some 16 percent of class sections or about 690 course offerings per year. Students will need longer to graduate resulting in another form of increased cost for students and families. Buildings will go without repair. Sponsored research, which helps pay for graduate education and stimulates the economy, will decrease by as much as \$23 million. The research impact alone is estimated to create a loss to Virginia's economy of \$68 million.

Virginia Cooperative Extension and Virginia Agricultural Experiment Station will lose \$11.6 million of their total state appropriation of \$61 million, including the cuts announced Tuesday night. The VCE and VAES have no offsetting revenue streams, so they are faced with eliminating about 147 positions in the current fiscal year in addition to the 106 positions lost in the earlier reduction. Many programs for producers, citizens, and communities will be eliminated.

Today the university's state appropriation stands at \$61.5 million less than this time last year. By the second year of the biennium, Virginia Tech's state appropriations will have been reduced about \$71 million or about 27 percent from its FY 02 level.

With such rapid losses of state support, universities will have no choice but to become ever more dependent on tuition revenue. The public has come to expect a certain level of quality from Virginia's highly regarded colleges and universities. Most importantly, they expect faculty members in the classroom. We will strive to keep it that way.

Virginia Tech is again faced with tough choices: drastically reduce faculty and staff employment, limit enrollment, or implement some form of tuition increase. We plan to take a mid-year tuition increase to the university Board of Visitors for review in November. We have not yet determined the amount, but we know that it can offset

(See *STATEMENT* on 3)

University awarded wireless-technology grant from Intel

By Amy Boyce

Virginia Tech has been awarded a grant from Intel Corporation to establish a laboratory and curriculum for the study of wireless technology. The grant of \$291,000 was awarded to Scott F. Midkiff and Luiz A. DaSilva of the Bradley Department of Electrical and Computer Engineering and Ing-Ray Chen of the Department of Computer Science.

"Intel works with universities that have demonstrated a dedication to developing innovative ideas for emerging technology," said Terri Durbin, manager of Intel Academic Relations. "Intel values Virginia Tech's expertise in wireless technology and communications, a field that will become increasingly important as computing devices become more connected."

"The grant from Intel, a technology leader, represents an investment in Virginia Tech's capabilities and vision," said Sam Albimino, director of Corporate and Foundation Relations at Virginia Tech. "The award allows us to establish a unique, student-centered, discovery-based course in an emerging technology area."

Midkiff, DaSilva, and Chen proposed the development of a new course in wireless and mobile-system design. The course will be available to traditional students at the Blacksburg campus and to practicing professionals enrolled in graduate and continuing-education programs in northern Virginia. The course is innovative because it is multidisciplinary and will involve the study of all system aspects from wireless links to mobile-application software. "Rather than

(See *UNIVERSITY* on 4)

Crystallography lab to provide interdisciplinary research support

By University Relations interns Courtney Ware, Carey Mosser and Hilary Fussell

The departments of Chemistry and Geological Sciences have agreed to pursue interdisciplinary crystallographic research in the Virginia Tech Crystallography Laboratory.

Through an agreement with Oxford Diffraction Ltd., the Crystallography Laboratory has added a second diffractometer that will give researchers and students a unique opportunity to develop new experimental techniques to solve scientific problems.

X-ray crystallography is a technique that has existed for nearly 100 years. The technique works by shining a beam of X-rays onto the crystal of the material. Due to its symmetry, the crystal will then scatter the X-rays in a characteristic pattern, and

this can be recorded and interpreted to determine the structure and geometry of the molecules in the crystal. This is of great interest in chemistry, physics, biology, and geology, where a knowledge of molecular and atomic structure allows the properties of a material to be both understood and tailored.

"Crystallography has always been interdisciplinary in nature," said Ross Angel, research professor in crystallography in the Department of Geological Sciences. "All crystallographers use the same techniques to address the relationship between structure and function in fields ranging from materials and electronic engineering, through chemistry and geology, to biology and medicine. The establishment of the Crystallography Laboratory reflects this. We now have the ability to share instruments and expertise. We are exploring fundamental concepts in

chemistry by applying techniques developed in the geosciences, and we will provide a focus and vehicle for interaction between faculty and research programs across the entire breadth of the university community."

The Xcalibur-2 diffractometer was funded by a National Science Foundation (NSF) grant to Carla Slebodnick and Larry Taylor from the Chemistry Department. It joins Xcalibur-1, which was purchased in 2001 by Nancy Ross and Angel of the Department of Geological Sciences. Together, these two diffractometers allow experiments to be performed routinely to temperatures as low as 10 Kelvin and to pressures as high as 10 GPa (100,000 atmospheres).

"We see ourselves as a regional facility for the scientific community," Slebodnick said. "Eleven colleges and Universities in Virginia, North Carolina and Tennessee will send their

samples to us to be measured. Next summer we will host a workshop, sponsored by Oxford Diffraction, to bring students from these universities to Blacksburg to train them in the use of the new equipment for their own research projects."

The Crystallography Laboratory will also house undergraduate and graduate courses in crystallography, improving the education of students by exposing them to a broader range of scientific applications and by giving them hands-on laboratory experience. Faculty members and students will also collaborate with the company in the development of new techniques and technologies.

For more information, go to <http://www.crystal.vt.edu>, or call Angel or Slebodnick at 1-7974.

ACTIVITIES

EVENTS

Friday, 18

Last Day to Resign

Art Gallery Exhibit Opening, Squires Perspective Gallery (through 12-6)

Art Exhibit, noon to 5 p.m. Tuesday; Friday, noon to 4 p.m. Saturday, Armory Gallery (through 11-15).

International Club Program, 5 to 6:30 p.m., Cranwell Center.

Music, 8 p.m., Squires Recital Salon: Faculty/Guest Artist Recital.

TA Program, 8 p.m., Squires Studio Theatre: The Laramie Project (through 10-19).

Saturday, 19

Book Signing, 8 a.m. to noon, 5 to 7 p.m., Volume Two University Bookstore: James I. Robertson Jr.

Football, 1 p.m., Lane Stadium: Rutgers.

Homecoming.

Sunday, 20

Asian Awareness Week Begins

YMCA Hike, 1:30 p.m., YMCA parking lot.

Music, 3 p.m., Squires Recital Salon: Ensemble Concert.

Music, 8 p.m., Squires Old Dominion Ballroom: Ensemble Concert.

Monday, 21

Faculty Development Workshop, 10 a.m. to noon, 1120 Torgersen.

Family, Work/Life Resources Program, noon to 1 p.m., DBHCC room A.

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

Hammond Lecture, 7:30 p.m., 3100 Torgersen: Ronald

Cole-Turner, Pittsburgh Theological Seminary.

TAUT Event, 8 p.m., Squires Studio Theatre: Forum Series.

Tuesday, 22

TA Program, 8 p.m., Squires Studio Theatre: The Laramie Project (through 10-27).

Web Course Request Spring 2003.

Leadership Development Workshop, 9 a.m. to 4 p.m., DBHCC room C.

Leadership Development Workshop, 9 a.m. to 4 p.m., DBHCC Executive conference room.

Family, Work/Life Resources Program, noon to 1 p.m., DBHCC room A.

Faculty Development Workshop, 10 a.m. to noon, 3060 Torgersen.

Faculty Development Workshop, 10 a.m. to noon, 1120 Torgersen.

Wednesday, 23

Leadership Development Workshop, 9 a.m. to 4 p.m., 3080 Torgersen.

Faculty Development Workshop, 10 a.m. to noon, 1120 Torgersen

YMCA Noon Slide Show, noon, Cranwell Center.

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

TA Program, 8 p.m., Squires Studio Theatre: The Laramie Project (through 10-27).

Taste of China Buffet, 11:30 to 1:30 p.m., DBHCC.

Thursday, 24

Art Gallery Exhibit Opening, Armory Art Gallery, (through 11-15).

Faculty Development Workshop, 9:30 a.m. to noon, 1120 Torgersen.

Faculty Development Workshop, 10 a.m. to noon, 3060 Torgersen.

Faculty Development Workshop, 3 to 5 p.m., 1120 Torgersen.

Friday, 25

International Club Program, 5 to 6:30 p.m., Cranwell Center.

SEMINARS

Friday, 18

MCBB, 12:20 to 1:10 p.m., Fralin auditorium: Victor Wray, German Research Center for Biotechnology.

Geological Sciences, 3:30 p.m., 4069 Derring: Russell Hemley, Carnegie Institution of Washington.

MSE, 3:30 p.m., 100 Hancock: John Hren, NC State.

Monday, 21

Horticulture, 4 p.m., 409 Saunders: Victor Wray, GBF-German Research Center for Biotechnology.

Biochemistry, 4 p.m., 223 Engel: Charles Rosenblum, Merck & Co.

Thursday, 24

Career Services, noon to 1 p.m., 341 Squires.

Statistics, 3:45 p.m., 409 Hutcheson: Angie Patterson.

MSE, 3:30 p.m., 100 Hancock: Rajiv S. Mishra, University of Missouri—Rolla.

Friday, 25

MCBB, 12:20 to 1:10 p.m., Fralin auditorium: David Litchfield, University of Western Ontario.

Geological Sciences, 3:30 p.m., 4069 Derring: Laura Wasylenki.

STS, 4 p.m., 132 Lane Hall: John Ryan.

BULLETINS

Hammond Lecture set for October 21

Ronald Cole-Turner will discuss "Remaking Humanity: Religious Perspectives on Cloning and Other Things that Scare People," in the 2002 Hammond Lecture on Monday, Oct. 21 at 7:30 p.m. in 3100 Torgersen Hall.

Cole-Turner is the H. Parker Sharp professor of theology and ethics at Pittsburgh Theological Seminary. A reception will follow the lecture.

Open-Source Roadshow scheduled

Open-source software, the technology surrounding Netscape, and Mozilla, the code at the heart of Netscape will be some of the topics covered during a day-long program to be held October 24, from 8 a.m. to 5 p.m. in the Donaldson Brown Hotel and Conference Center.

Students, faculty and staff members, and visitors are invited to attend any or all of the program, followed by an evening meeting of the ACM Student Chapter. The roadshow is being hosted by the Internet Technology Innovation Center at Virginia Tech, in cooperation with AOL and Virginia's

Center for Innovative Technology. Included in the program will be demonstrations and refreshments.

Sessions will be led by a team from Netscape and Mozilla, with support from AOL. Mitchell Baker is the general troubleshooter, spokesman, and policy arbitrator for mozilla.org. Scott Collins has been a participant and contributor on the mozilla project since its inception. Mitch Stoltz is the lead security engineer for the Netscape client team.

Sessions will run all day October 24. Many are of general interest, but some will be oriented toward those with a focus on technology. Participants may choose sessions best-suited for their background and schedule. For more information, see <http://fox.cs.vt.edu/opensource.htm> or contact Ed Fox at 1-5113, (fox@vt.edu).

Free file storage available

Members of the campus community who have extra files may send them to an air-conditioned facility in the University Records Center. The storage is free.

Additionally, Records Management Services has storage boxes (12x10x15) for sale at \$1.50 each or boxes (16x6x10) for \$1. The boxes may be picked up at the University Storage Facility any day between 8 a.m. to 5 p.m. Call Kathy Cantrell at 1-6188, or e-mail kantrell@vt.edu to place orders.

Tibetan Buddhist monks visiting campus

Several student organizations are sponsoring the visit of seven Tibetan Buddhist monks from the Tashi Lhunpo Monastery October 23 through 28. During the visit, the monks will construct a sand mandala painting on the second floor of Squires Student Center from Thursday through Sunday, from 9 a.m. to 5 p.m., will lead discussions on Buddhism, Tibet, and the Panchen Lama, and perform a traditional Cham.

The Cham, which consists of sacred monastic music and dances, will be Sunday, Oct. 27, from 7 to 9 p.m. in Burruss auditorium.

For more information, e-mail Ahmisa@vt.edu or call 951-3777.

Women in Mathematics: Career Day scheduled

Virginia Tech faculty members, students, and alumnae will join approximately 250 young women Wednesday, Nov. 13, for an intergenerational, multi-media, mathematical celebration.

Sixth-graders from 20 area schools have been invited to participate.

The eighth annual Women in Mathematics: Career Day at Virginia Tech will begin at 9:30 a.m. with a welcome session at the Math Emporium on University City Boulevard in Blacksburg, featuring Bevelee Watford, associate dean for academic affairs in the College of Engineering, and John Rossi, head of the Department of Mathematics. From 10 a.m. to 11:30 a.m., students will participate in

two 40-minute sessions (described below). From noon to 12:40 p.m., students will interact with the Career Day panel. From 12:45 p.m. to 1:25 p.m., students will participate in the final session.

The four sessions are as follows:

"Math and Computers Are Everywhere," led by Terri Bourdon, will provide hands-on activities to investigate computer graphics in such varied fields as science, art, and electronics.

"Explorations of Math and Art through Tessellations," facilitated by Gwen Lloyd and Virginia Tech mathematics-education majors, will enable students to create their own tessellation designs on the computer.

(See *WOMEN* on 3)

Traffic and parking changes for Homecoming, football game

The annual Homecoming Parade will be Saturday, Oct 19 from 9 a.m. to noon. Traffic will be closed along the parade route, which travels down the north side of the Mall then along the Drillfield ending at Burruss Hall. On Friday all parking along the north side of the Mall will be restricted to no *new* parking after 5 p.m. and all vehicles must be removed from the north side of the road by 10 p.m. Friday or be subject to towing. Parking will return after the parade on Saturday.

Football Traffic and Parking Changes

The following parking and traffic changes will take place today and on Saturday, Oct. 19 for the home football game. This information is also valid the following two weekends for the next two home games on October 26 and No-

vember 2.

On Fridays before games, the following lots and roads will be restricted to no parking after 5 p.m. and all vehicles must be removed from these lots and roads by 10 p.m. Friday or be subject to towing: Litton-Reaves/Wallace lots (located off Washington Street and Duck Pond Drive); Coliseum lot (located off Washington Street and Spring Road); the gravel lot located behind the Jamerson Center; stadium lot; Track/Field House lot; tennis-court lot (on Washington Street beside the Coliseum); Vet-Med lot (north side only); EHSS lot (located off Tech Center Drive); Maintenance lot (located off Southgate Drive) Engel/Cheatham lot, Price lot, Davidson lot (only the section parallel to West Campus

(See *TRAFFIC* on 3)

CAMPUS UPDATE

More than 300 graduate students complete GTA Workshop program

By Julie Kane

Reflecting upon the two-day GTA workshop held August 19 through 20, a student wrote, "I was very touched with the amount of effort that went into getting us in the system. Everyone has been really helpful." That observation was reiterated many times by other students.

A total of 368 students attended the twelfth annual Graduate School's GTA (graduate teaching assistant) Workshop. Of that number, 320 completed the program and will receive one credit for GRAD 5004.

At the beginning of the workshop, students were welcomed by President Charles Steger who told the audience that GTA's are a crucial resource to the university. Next, the group was addressed by dean of the Graduate School and

vice provost for graduate studies, Karen Depauw.

"An important role of graduate education is preparing the future professoriate and TA training," she said. "I am planning to facilitate a collaborative initiative that includes the intersection of the TA training program, 'Preparing the Future Professoriate,' and faculty development."

To address the space problem of previous years, Donald McKeon, director of ESL/GTA training, said the normal three-day program was reduced to two days so that all of the plenary sessions could be conducted on the first day in Owens Dining Hall, a much larger facility.

"The two-day format may be continued in the future, McKeon said. "The three-day workshop was a bit too prolonged and many departments want to provide orientations for their own

TA's before the school year gets under way."

Among the subjects presented during the two-day workshop were oral presentations, interactive learning, lecture preparation, grading techniques, teaching labs, digital imaging, the latest developments in information technology, writing across the curriculum, university policies for students, course design, time management, and information concerning students with disabilities. An essential component of the course was an overview of university support services.

Provost Mark McNamee concluded the workshop. "GTA's are important to the instruction of the university," he said. "To increase the quality of our programs, GTA's must be well trained and positively motivated. To continue the efforts made by this workshop, every day in the classroom or laboratory should be a learning

experience. We encourage and appreciate the role of mentors to GTA's and additional advice from professors and students throughout the year."

Students gave high marks when ranking the workshop. The highest ratings were given for its organization (3.74 out of a possible 4.0), and students felt the presenters showed concern for GTA's' needs (3.73). Most students rated the programs useful (approximately 3.5).

One student said, "There were lots of issues brought up I had not even considered before the workshop, and now I feel better prepared for them." The GTA workshop originated as part of Research and Graduate Studies' "Training of the Future Professional" program, involving both GTA training and research career preparations.

STATEMENT

Continued from 1

only a fraction of the Educational and General Fund losses. There will be program reductions and lost positions. However, the impact will not be as severe as the

worst-case scenario noted earlier, if we adopt a mid-year tuition increase.

We are saddened by these developments and will seek to mitigate the impact on students and families as they incur increasing costs for education. We will look for financial aid for those students

with greatest need. We plan a comprehensive communications effort to students, their parents, and alumni, so that they can understand why these tuition increases are necessary. We believe that they will be supportive of our efforts to

preserve the quality of education at Virginia Tech, which has been built up with such effort and dedication over many decades. We can not allow the state's inability to fund its obligations to quickly dismantle what has taken years to build.

WOMEN

Continued from 2

During "A Process Approach to Problem Solving: Using Group Work and Presentations," led by John Hoggard, students will explore solving problems in a group setting and will present their work to session participants.

The panel discussion on educational and career opportunities in mathematics, facilitated by Susan Anderson, will include four Virginia Tech alumnae.

Career Day activities are sponsored by the Department of Mathematics and the National Security Agency. Co-sponsors include the Office of the Provost, the Office of the Vice President for Multicultural Affairs, Montgomery County NOW, the Math Club, and Womanspace.

For more information, contact Anderson at 1-8041, e-mail anderson@math.vt.edu, or by mail at c/o Mathematics Department 0123.

TRAFFIC

Continued from 2

Drive); Solitude lot; Derring lot (large section parallel to Perry Street); Food Science lot; Spring Road, Washington Street (southern side {tennis court} only from Spring Road to Kent Street).

Before the game begins at 1 p.m. on Saturday, traffic on Washington Street, Southgate Drive, and Spring Road will become one way toward Lane Stadium. Traffic on Duck Pond Drive will also become one way toward the Lane Stadium. After the game, the street directions will reverse until the traffic flow returns to normal.

The public will be charged \$5 for parking

on campus during football games. This only applies to those who do not have a valid Virginia Tech parking permit. The lot used by the public is B-lot.

Blacksburg Transit (BT) will run buses on all normal routes for the weekend. All home game days will be fare-free for BT. Off-campus public parking is available at three locations in the town of Blacksburg. BT football shuttles will run to the stadium starting three hours before game time from the parking lot by Blacksburg High School and from the new Blacksburg Middle School at 15-minute intervals. They will continue to run for two hours after the game. Public parking will also be

available at the old Blacksburg Middle School. There is a \$5 charge for parking in the community lots.

Handicap parking will be available in the center section of B-lot (located behind Whittemore Hall). Signs will be posted for guidance to that area. Handicap shuttles will transport persons from this lot to the stadium before, during, and after the game.

For more information, call Parking Services at 1-3200 or, after regular business hours, the University Police Department at 1-6411. For information concerning reserved Hokie Club lots, call 1-9963.

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

Three full-time food-service positions available.

Biochemist/Molecular Biologist, 008028K, PB 4, VBI.

Business Practices Specialist, 007952F, PB 5, Controller's Office.

Css/Surgery Technician, 000496M, PB 2, VTH.

Financial Analyst, 006676Y, PB 4, OPS.

Housekeeping Worker, 001076H, PB 1,

RDP.

Police Officer, 008027G, PB 3, Police.

Proteomics Laboratory Technician, 008026K, PB 4, VBI.

Scientific Glassblower, 001267B, PB 5, Chemistry.

PART TIME

Animal Care Technician, W022675M, PB 1, VTH.

Animal Care Technician Large Animal, W020066M, PB 2, VTH.

Assistant Computer Systems Administrator, W023369F, PB 4, Office of Transportation.

Distance Learning Support Technician, W023494A, PB 4, VBS.

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

Large Animal Husbandry, W022155M, PB 1, VTH.

Office Services Assistant, W020838M, PB 2, Veterinary Teaching Hospital.

Pmm Support Technician, W022979M, PB 2, VTH.

OFF CAMPUS

Administrative Program Support, 007411B, PB 3, Engineering/NVC.

News Reporter/Anchor, 002323S, PB 4, WVTF, University Relations.

Nursing Supervisor, 006726M, PB 3, CVM.

Senior Program Administrator, 006436Y, PB 4, DCE.

FACULTY POSITIONS

INSTRUCTIONAL

Department of Electrical/Computer Engineering—Assistant, Associate, and Full Professor. <http://www.ece.vt.edu/recruiting> for information.

Department of Aerospace/Ocean Engineering—Assistant Professor. Chris Hall, 215 Randolph Hall (0203).

Department of Geography—Instructor. Search Committee, Department of Geography, 115 Major Williams Hall.

Department of Geography—Instructor. Search Committee, Department of Geography, 115 Major Williams Hall.

NON-INSTRUCTIONAL

Department of Management—Department Head. Steven E. Markham, Search Committee Chair, 2009 Pamplin Hall, or markhami@vt.edu, Search closes in one week.

Optical Sciences and Engineering Research (OSER) Center, Postdoctoral Associate, Mathematical Modeling—Biological Systems. William B. Spillman Jr., Optical Sciences and Engineering Research (OSER) Center, (0356) or wspillma@vt.edu



VIRGINIA POLYTECHNIC INSTITUTE
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American Cancer Society recognizes VMRCVM researcher

By Jeffrey S. Douglas

A faculty member in the Virginia-Maryland Regional College of Veterinary Medicine was honored individually and Virginia Tech was honored institutionally by the Mid-Atlantic Region of the American Cancer Society during its Fifth Annual Regional Awards Celebration.

John Robertson, professor, Department of Biomedical Sciences and Pathobiology, was awarded a Regional Award of Merit for his leadership in establishing several collaborative research, educational, and development programs between the college, the university, and the American Cancer Society.

Robertson leads the Center for Comparative Oncology, an emerging cancer-research center within the VMRCVM that seeks to develop improved treatments for cancer by studying cross-species similarities and differences in tumor development. The center is also working to foster awareness and collaboration among a number of Virginia Tech scientists who are conducting cancer research.

Robertson has made numerous presentations on cancer to various committees and organizations within the ACS and led efforts to create a more productive research and development relationship between the American Cancer Society and Virginia Tech. He organized

a Student Cancer Day for veterinary students in the VMRCVM that was co-hosted by the ACS and he also organized the 22nd Annual American Cancer Society Seminar for Cancer Researchers in Virginia. He has also been very active with the ACS's "Relay for Life" program.

The university was also honored with a regional Collaboration Award for helping advance the mission of the American Cancer Society. That award was made in recognition of an Institutional Research Grant in the area of comparative oncology that the ACS has funded in the VMRCVM for the past three years.

The award also recognizes work conducted by Charles Baffi, associate professor,

Department of Teaching and Learning, and his graduate students for collaborating with the American Cancer Society and the National Collaborative Evaluation Fellows Project to critically examine and recommend improvements for ACS programs like "Active for Life," "Reach to Recovery," and "Road to Recovery" programs.

Finally, the award recognized the successful "Relay for Life" program that was recently presented for the first time at Virginia Tech. Led by Brian Montgomery and Virginia Tech's Student Government Association, the program raised \$50,000 for the ACS.

OBTUARY

John F. Eckel, 99

John F. Eckel, former head of Virginia Tech's metallurgy department (now the materials science and engineering department), died September 27 at his home in Blacksburg at the age of 99.

After receiving his doctorate from the Carnegie Institute of Technology (now Carnegie Mellon University), Eckel taught at Purdue University and worked for several companies, including Bell Telephone Laboratories, Western Electric, and General Electric's Knolls Atomic Power Laboratory. He joined the Virginia Tech faculty in 1956 and retired as head of metallurgy in 1968.

SERVICE

Continued from 1

university program. The restructuring process proved to be a logical time for this transition to be approved, especially since University Outreach was broadening its mission to include all programs that engaged with off-campus populations," she said.

Provost Mark McNamee recently announced that the University Office of International Programs; the Center for European Studies and Architecture; and Virginia Tech's extended campuses in Abingdon, Roanoke, Richmond, and Virginia Beach had been moved into University Outreach, while several of its existing units had been restructured. The new name, University Outreach and International Affairs, reflects its broader scope of activity.

"We are pleased to have the Service Learning Center added to the program portfolio of University Outreach and International Affairs," Vice Provost Clark Jones said. "We look forward to enhancing our students' academic experience by better connecting them to service projects not only locally and across the state, but literally around the world."

UNIVERSITY

Continued from 1

listening to lectures, we want students to go into the laboratory and discover for themselves how different technologies work," Midkiff said.

Intel awarded in excess of \$1.2 million in wireless technology grants to five universities, Carnegie Mellon University, the Indian Institute of Technology in Madras (India), Rutgers University, UCLA and Virginia Tech.

For more information, contact Amy Boyce at 1-1969 or e-mail englisha@vt.edu.

Robertson publishes *Stonewall Jackson's Book of Maxims*

By Allan Miller

By all accounts, Thomas J. "Stonewall" Jackson's childhood was that of a shy and lonely orphan—a nearly friendless introvert deprived of family love and rarely afforded the opportunity to live the life of an inquisitive, growing boy.

But Jackson matured to become one of this nation's great military strategists and leaders—revered by his troops, trusted by his superiors, and admired even by his adversaries.

The influences that guided this transformation from reticent boy to confident commander are explored in *Stonewall Jackson's Book of Maxims*, compiled and edited by James I. Robertson Jr., alumni distinguished professor of history and executive director of the university's Virginia Center for Civil War Studies.

According to Robertson, the maxims—Jackson's self-selected principles of personal

conduct and self-improvement—were recorded by the general in a small blue-marbled notebook over a five-year period, starting in 1848, and are largely drawn from the collective practical and philosophical teachings of others who influenced Jackson's life, including Lord Chesterfield, John Bunyan, Joel Parker, O.S. Foster, George Winfred Hervey, and, most significantly to Jackson, the *Bible*.

But the notebook disappeared after Jackson's death in 1863. More than 120 years later, in the course of researching Jackson so he could write a biography of him, Robertson uncovered the notebook while examining other materials in the Davis Collection of Civil War manuscripts at Tulane University. Robertson put the maxims on hold while he completed his research and wrote the biography—*Stonewall Jackson: The Man, The Soldier, The Legend*—which earned numerous awards.

With that work, which critics called the

definitive biography of Jackson, behind him, Robertson turned his attention to publishing the maxims. In his new book, he presents the maxims in full and precisely as written by their original author. They cover five primary categories: choice of friends, rules of conversation, guides for good behavior, motives to action, and politeness and good breeding.

The author accompanies each maxim with supplementary commentary about such things as the origin of the adage, quotations that parallel Jackson's statement, and the manner in which the maxim was reflected in Jackson's day-to-day life.

"Jackson died after one of his own men shot him during the Battle of Chancellorsville, and while the cause that he served, fought, and ultimately died for did not prevail, the true measure of the man lies in how he lived his life and in understanding the values and principles that guided his daily conduct," Robertson said.

Veterinary College presents annual awards

By Jeffrey S. Douglas

Seven faculty members were recognized for excellence in teaching and 56 different scholarships awards were presented to 143 students during the Virginia-Maryland Regional College of Veterinary Medicine's recent 19th Annual College Awards Program.

The Carl J. Norden Distinguished Teacher Award was presented to S. Dru Forrester, professor, Department of Small Animal Clinical Sciences. Sponsored by Pfizer Animal Health, this national award honors faculty members who have displayed outstanding teaching ability. Forrester also received the award in 1993.

The Dr. and Mrs. Dorsey Taylor Mahin Award for Clinical Excellence was presented to Thomas O. Manning, a clinical instructor and veterinary dermatologist. That award recognizes a faculty member for professionalism, clinical excellence and

compassion for animals and owners.

John L. Robertson, professor, Department of Biomedical Sciences and Pathobiology, was awarded the College Teaching Award and a Virginia Tech Certificate of Teaching Excellence. That award honors a faculty member who has made exceptional contributions to the college's instructional program.

The Class of 2003 Teacher of the Year Award was presented to two faculty members in recognition of their outstanding abilities as clinical teachers during the third year of the instructional program. Spencer Johnston, professor, Department of Small Animal Clinical Sciences; and Kevin Pelzer, associate professor, Department of Large Animal Clinical Sciences, were each honored.

The Class of 2004 Teacher of the Year Award was presented to Marion Ehrich, professor, Department of Biomedical Sciences

and Pathobiology. That award is presented by the third-year class to a professor teaching during the second year of the instructional program in recognition of superior communication skills and the ability to demonstrate the relevance of the basic sciences.

The Class of 2005 Teacher of the Year Award was presented to Bonnie J. Smith, associate professor, Department of Biomedical Sciences and Pathobiology. It is presented by the second-year class to a professor teaching in the first year of the instructional program on the basis of the same criteria.

The student scholarships were funded by a variety of individuals and organizations that seek to promote excellence in the college's academic programs and provide educational opportunities for deserving students. They are awarded to students on the basis of academic performance, leadership, and need.