

SPECTRUM

TODAY'S EDITION
Summer publication
begins today.

Virginia
Tech
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

VOLUME 21 NUMBER 32 THURSDAY, MAY 27, 1999

Chichester honored during Commencement

By David Nutter

State Senator John H. Chichester of Fredericksburg was honored during Commencement ceremonies with the 1999 University Distinguished Achievement Award.

The Board of Visitors voted to bestow the honor on Chichester at its April 26 meeting. In its resolution the board states that Chichester has been, "a strong advocate for higher education, is a respected authority within the legislature, and has played a pivotal role in higher-education issues."

A crowd of 24,000 from across the state and nation was on hand at Lane Stadium to watch Chichester honored for his service to the state. Watching him receive the award was his daughter, Holly, who was in the stadium to receive her bachelor's degree in horticulture. She joined some 4,700 other students in receiving their diplomas.

Chichester, the state Republican Party's senior senator, represents Virginia's 28th Senatorial District. He currently co-chairs the Senate Finance Committee and serves on three other committees: Agriculture, Conservation and Natural Resources, Commerce and Labor, and Education and Health.

Chichester attended Virginia Tech in the 1950s. Through his alumni status he has remained close to the university and higher education. He currently serves as treasurer of the Southern Regional Education Board (SREB) and he chaired the Commission on the Future of Higher Education in Virginia, which completed its work in 1996.

Turner named Engineering's distinguished alumnus

By Lynn A. Nystrom

James E. Turner Jr., president and chief operating officer of General Dynamics Corp., a member of the National Academy of Engineering, and the Rector of Virginia Tech's Board of Visitors, received the Distinguished Alumnus Award from Virginia Tech's College of Engineering at its graduation ceremony.

Turner is a 1956 agricultural engineering (now named biological-systems engineering) graduate.

"The College of Engineering is proud to have Jim Turner as one of our alumni. He has served his profession and his alma mater with unselfish dedication. His achievements are truly extraordinary," said F. William Stephenson, dean of the College of Engineering.

Turner has enjoyed a highly successful career with General Dynamics, starting in 1988 when he was named corporate vice president and general manager of the Electric Boat Division. He focused his career with this Fortune 500 company on providing the U.S. Navy with nuclear-powered submarines of increased capability at reduced costs.

He led the re-engineering of General Dynamics' Electric Boat shipyard organization, processes, and work force to create a technologically integrated team. This effort helped meet the Navy's demand for more affordable submarines, achieving a breakthrough in low-rate production. The culmination of Turner's vision while in this position was the creation of the New Attack

Submarine, the first American warship designed solely on computer and considered to be today's most sophisticated and advanced submarine. It was founded on the integrated product and process development (IPPD) approach, which Turner pioneered at the Electric Boat Division.

Before joining General Dynamics, Turner served in a series of positions with Newport News Shipbuilding, the last two years as the executive vice president in charge of operations. His responsibilities included submarine construction, aircraft-carrier construction, and all overhaul and repair activities. Previously, he was vice president of operations for a Tenneco and Westinghouse

(See TURNER on 8)

INFO TECH
Donald Upson,
state secretary of
technology, and
members of the
Governor's Commission on
Information Technology
recently toured the
Tech campus.
(J. McCormick)



Maxson inducted into Vet Med's Dalton society

By Jeffrey S. Douglas

Richmond businessman Cecil R. Maxson Jr. was inducted into the Virginia-Maryland Regional College of Veterinary Medicine's John N. Dalton Society during the college's 16th Commencement ceremonies held May 14.

Maxson earned a degree in building construction from Virginia Tech in 1956 before beginning a 40-year career with Western Electric, C&P Telephone, and NationsBank Corporation. Before graduating, he served as a first lieutenant with the U.S. Army Corps of Engineers.

"Cecil Maxson has served as an informal ambassador and advocate for the regional veterinary college in all of his activities around the commonwealth," said VMRCVM Dean Peter Eyre. "He has shared his time and his resources as a member of our Volunteer Campaign Committee and been an important factor in our success."

During his 25-year tenure with NationsBank Corporation and its predecessor corporations, he held various executive positions with broad responsibility in facilities management, construction management and real estate development. Upon retiring, he was senior vice president, manager, Corporate Real Estate Services, Mid-Atlantic States.

He has most recently served as a business and project consultant who oversaw the development and construction of the Virginia Biotechnology Research Park in downtown Richmond on the personal request of Virginia Commonwealth University President Eugene Trani.

Maxson has served on a number of Richmond-area community-service organizations, including the Richmond Regional Transportation Advisory

(See MAXSON on 8)

Musser recognized by visitors

By David Nutter

Retiring Air Force Major General Stanton R. Musser, commandant of the Corps of Cadets, has been honored by the Virginia Tech Board of Visitors with a resolution recognizing his "accomplishments in strengthening and preserving an important and historic part of the university—its Corps of Cadets—and for exemplifying in the fullest sense the university motto, Ut Prosim—That I May Serve."

In recognizing Musser's 10 years of service to the university, the board praised Musser's efforts to "transform the Corps into a national leader among military colleges in the field of leader development."

Musser is the longest-serving commandant in the history of the Corps of Cadets and one of the most decorated general officers in



General Stanton Musser with President Paul Torgersen, right, and BOV Rector James Turner, left. (R. Griffiths)

(See MUSSER on 8)

ACHIEVERS

Chester L. Foy, a plant physiologist and weed scientist, has been recognized both nationally and internationally for his excellence in the agricultural sciences.

Foy was presented with the Gamma Sigma Delta International Award for Distinguished Achievement in Agriculture in ceremonies March 25 in Blacksburg. The award recognizes his excellence as an international research scientist, leader, educator, and scholar.

Foy has been a faculty member at Virginia Tech for more than 32 years. He has established a reputation as a world authority on the physiology and biochemistry of the mechanisms of action of herbicides and adjuvants, the materials that are combined with herbicides to improve mixing and application or enhance performance.

The Distinguished Achievement in Agriculture Award is the most prestigious award presented by the Gamma Sigma Delta. Foy is only the second person from Virginia and the first person ever from his discipline to receive the award.

Robert Smith, dean and professor emeritus, was recently presented with the 1999 J.E. Wallace Wallin Special Education Lifetime Achievement Award by the Council for Exceptional Children.

The author of many of the most widely used books in the special education field, Smith is also an advocate of special-education doctoral programs for administrators and supervisors. His work helped establish special education programs at other universities.

Smith has also been called an inspirational teacher who worked well in the classroom, but also had time to offer personal assistance to any student seeking counsel.

Communicators in various divisions at Virginia Tech won a total of 34 awards in the 1999 Virginia Press Women competition in April.

Clara B. Cox, manager of public-service communications, won seven first-place awards and one third. She won first place for news reporting in an internal publication for a news release for *Spectrum* titled "University uses new approaches to address student drinking"; first place for institutional relations, non-profit, program or campaign designed to improve an organization's relationship with key publics, for promotional work on Virginia Tech's 125th anniversary celebration; and first place for public service, non-profit, program or campaign for the public good, for promotional work on Blacksburg's bicentennial celebration. She co-chaired with **Larry Hincker**, associate vice president for University Relations, Virginia Tech's 125th-anniversary steering committee and chaired the promotions committee for the Blacksburg Bicentennial Commission.

Cox also shared a first place with **Meg Nugent** for one-to-three color magazine with four-color cover, non-profit, for editing *Virginia Issues & Answers*, a public-policy magazine published by University Relations. Nugent served as art director, **Bob Veltri** as photography editor, **Pat White** as copy editor, and Hincker as executive editor. Cox won first place for speeches for writing "A Special Place for 200 Years: Blacksburg's Bicentennial Celebration," which she delivered to the Montgomery County Chapter of the Association for the Preservation of Virginia Antiquities; first place for a chapter in a non-fiction book for writing "Blacksburg Educates Its Children, 1700s-1990s," which was included in the Town of Blacksburg's bicentennial history book; and first place for editing a non-fiction book, *A Special Place for 200 Years: A History of Blacksburg, Virginia*. Cox also won a third place (with Nugent) for a four-color brochure, non-profit, for "Come Celebrate in a Special Place," the promotional brochure for Blacksburg's bicentennial.

Sally Harris, public-relations coordinator for the College of Arts and Sciences, won two second-place and three third-place awards. She received a second-place award in the category of special articles about education for stories about cybercore courses, **Barbara Lockee's** method of perpetuating Native American languages, and **Nikki Giovanni's** class's slave-choir performance. She won a second for page layout, general or specialized publication, for the college newsletter, *Arts & Sciences*, which she designs using a template by **Creed Taylor** of Graphic Design. She won a third for the college newsletter, which she writes and edits. Editorial assistants are **Adelene**

Kirby and **Teresa Price** of the College of Arts and Sciences. Harris won a third for news reporting in an internal publication for the story "Bodnar named Garvin professor," published in *Spectrum*, and a third for feature story in an internal publication for the article "Grossman's research aids Jamaican agriculture," also in *Spectrum*.

Nugent, a graphic designer for University Relations/Publications, received nine awards: five firsts, two seconds, and two thirds. She won first for page layout in a general or specialized-circulation publication for samples of specialized designs, including the Pamplin College of Business MBA brochure for the Northern Virginia Graduate Center, a graduation announcement for Amy Nugent, and the dust jacket design for *A Special Place for 200 Years: A History of Blacksburg, Virginia*; a first for a black-and-white display single ad (institutional or image) in a newspaper for an ad designed for the Northern Virginia Graduate Center; a first for a campaign or series built around one subject, black and white, newspaper, for the Northern Virginia Graduate Center campaign; a first (with Cox) for a one-to-three color magazine with four-color cover (nonprofit) for *Virginia Issues & Answers*; and a first for manuals and handbooks for the 1998 Commemorative Blacksburg Bicentennial Calendar.

Nugent won a second for page layout of internal publication for a collection of pieces including *Global Network*, a newsletter designed for the University Office of International Programs, *Corps Review*, a newsletter designed for the Virginia Tech Corps of Cadets Alumni, Inc., and a self-mailer for the Dean of Students office, *Parents' Day 1998*. She won a second for four-color brochure (profit) for the Downtown Merchants of Blacksburg brochure. She won a third for original graphics for a collection of pieces, including the Blacksburg Bicentennial logo, graphics for *Global Network*, and graphics for a proposed web site for Virginia Tech Economic Development; and a third (with Cox) for four-color brochure (nonprofit) for the promotional brochure for Blacksburg's bicentennial.

Lynn Nystrom, director of news and external relations for the College of Engineering, won six firsts and one second-place award. She won first place, single news release, for "New sensor will detect chemical and biological pathogens at incredibly small doses." This article was on the work of chemical engineer **William Velander** and electrical engineer **Kent Murphy's** development of a new biological and chemical sensor. Nystrom won first place for three news releases on a similar subject for writing three articles on research activities in the Electrical and Computer Engineering Department: "Power Electronics Center Opens" (**Fred Lee's** work), "An oasis for the Marconis of the '90s" (**Ted Rappaport's** work), and "Leave it to the students to discover how to develop cellular system capacity."

Nystrom won first place in caption writing for the College of Engineering's annual report, *Engineering Now*, and a first place for special articles on science or health. This award was for "Molecular lasagna" (**Rick Claus's** materials work), "The real superglue" (**Bill Velander's** biotechnology efforts), and "Students develop proprietary magnetic propulsion technology." Nystrom won another first place for external annual report for the Via Department of Civil and Environmental Engineering with photographers **John McCormick** and **Rick Griffiths**, designer, **Dave Simpkins**, and contributing writer, **Liz Crumbley**. She won first place for faculty advisers of publications for the *Collegiate Times*. Her second place was for public relations, four-color brochure, for *Engineering Now*, with photographers Veltri and Griffiths, designer **Barbara Corbett**, contributing writers **Liz Crumbley** and **Susan Trulove**, and contributing proofreader **Gina Beasley**.

Trulove, public-relations coordinator for Research and Graduate Studies, won two firsts and three seconds. She received first place in the special-article category for three environment and ecology articles, one about Virginia Tech's Thermal Radiation Group, published in the 1998 research magazine, and the other two in news release form about **David Kingston's** Suriname research and about biology graduate student **Matthew McTammany's** stream research. She also received a first place for her web-page feature story about Virginia Tech astrophysicists' warm gas research. Trulove received a second-place award for web page edited by entrant for the 1998 Virginia Tech page for the Science Coalition. She won a second in the four-color PR magazine category for the 1998 *Virginia Tech Research* magazine, designed by Corbett and co-edited by Richard Lovegrove; and second in news reporting, internal

publication, for an article about the outdoor wide-band research being conducted by Mobile and Portable Radio Group faculty members and students in *Spectrum*.

All first-place entries on the state level are sent to the competition sponsored by the National Federation of Press Women. Awards from the national contest will be announced in June at the conference in Nashville.

Saleh S. Abdel-Azim, a doctoral student in the Department of Sociology, was invited to Moscow and St. Petersburg, Russia, for an international symposium on the contributions of Pitrim Sorokin in their present context. Sorokin was a Russian-American scientist (1889-1968) whose theoretical concepts have had a profound influence on Russian and American social thought. The paper by Abdel-Azim was titled "One World Means One Culture or Multiple Cultures: The Influence of Western Culture on Other Countries." Abdel-Azim contended that the discourse on globalization does not describe the merging of the cultures. Rather, globalization means the hegemony of the great powers, such as the U.S., over the cultures that are economically weaker, the paper said. As examples of dominance, Abdel-Azim noted movies and music and American symbols such as McDonald's, KFC, and Coca-Cola, which are found around the world. These influences play an effective role in the changing of cultural patterns in developing countries, Abdel-Azim said. The symposium attracted scholars from Russia, the United States, Greece, and France.

Larry T. Taylor, chairman of the Department of Chemistry, has received the Alfred C. Payne Award from the Virginia Tech Alpha Omicron Circle of Omicron Delta Kappa National Leadership Honor Society in recognition of his many years of service to the Blacksburg community. In 1986, ODK established the (Rev.) Alfred Payne Award to honor an individual each year who has performed exceptional service within the university community. The recipient may be a member of the student body, faculty or staff, an alumnus/alumna, or a member of the local community. The recipient must have demonstrated an exemplary spirit of volunteerism, worthy of the commitments that Payne has made to Virginia Tech.

Emeritus Professor **Ray Dessy** of the Department of Chemistry will attend the National Academy of Sciences/National Academy of Engineering/Institute of Medicine Colloquium (Organizing Committee) "Automation in Threat Reduction and Infectious Disease Research: Needs and New Directions." The scientific side of the colloquium will focus on the need for measuring, detecting, and monitoring in areas such as recognizing and addressing established and emerging infectious diseases, ensuring a safe food supply, averting catastrophic bio-terrorism and bio-warfare and advancing human genetics and molecular medicine. The technological side of the colloquium will focus on the various laboratory, automation, robotic, computer, information, Internet, and micro-scale technologies available for supporting scientific needs. Dessy also will give an invited lecture to the American Chemical Society (ACS) Editorial Advisory Board on "Electronic Publishing, Some Suggested Futures" and the plenary lecture to the ACS National Meeting in New Orleans. His talk there will be titled "25 Years of Automation."

Lesla Beverly and **Myesha Cephas**, both graduate students in the Department of Mathematics, and professor **Monte Boisen** attended the Mathematics Awareness Day activities at North Carolina A&T. The graduate students each gave a presentation based on their work in mathematics. The title of Cephas's talk was "Solving the Four Coin Problem Using Geometer's Sketchpad," and it was based on work she has done as a master's student with Professor **Bob McCoy**. The title of Beverly's talk was "Minimal Surfaces Applied to Crystalline Structures," and it was based on her work as a Ph.D. student with Boisen. Beverly received the Graduate Student Presentation Award by a panel of judges from North Carolina A&T.

(See *ACHIEVERS* on 5)

Engineering staff association honors Barnett and Vest for contributions

By Liz Crumley

Sara Barnett, business manager for the College of Engineering, and William Vest, electrical engineer senior in industrial and systems engineering (ISE), were selected by the College Association for Staff in Engineering (CASE) to receive the 1999 Exemplary Employee Awards for outstanding contributions and service.

"Sara Barnett embodies the spirit of the women and men in classified positions who have made the College of Engineering at Virginia Tech what it is today," said Rodd Hall, associate dean for administration, who endorsed the nomination of his colleague for the CASE award.

Barnett came to engineering in 1970 to work for Hall's predecessor, Jack Osborne, who credited Barnett with "a large measure" of his success during his 28 years with the college. "Speaking personally," Hall said, seconding Osborne's view of Barnett's role, "Sara is to credit for any measure of success I have achieved in the first year of my tenure."

"Sara's deep knowledge of systems, his-

tory and people at Virginia Tech is always readily available to others," said Malcolm McPherson, associate dean for research and graduate studies, who nominated Barnett for the award. As business manager, Barnett oversees the college's state-funded accounts and is the primary resource for fiscal officers in all 11 engineering departments. "When anyone needs to know how something works, they go to Sara," Hall remarked.

She also helps researchers develop grant proposals and keep track of funded accounts. "Both as a faculty member seeking assistance with a proposal, and now as an office colleague, I have nothing but admiration for Sara Barnett's dedication to her job," McPherson said. "I cannot imagine this suite of offices without her. She is the ultimate in reliability, good work and dedication to the job."

"His job title doesn't include all of the 'hats' he wears in our department," said Sandy Dalton, ISE secretary senior, in her letter of support for Vest. "A list of some of the other job titles he has included: Mr. Fixit for Macintosh

(See ENGINEERING on 8)



Sara Barnett and William Vest receive the 1999 Exemplary Employee Award from the College Association for Staff in Engineering. (J. McCormick)

Schneck named to White professorship

By Lynn Nystrom

Daniel J. Schneck, a member of the Virginia Tech engineering faculty since 1973, is the second recipient of the W.S. "Pete" White Chair for Innovation in Engineering Education. Holders of this chair are encouraged to develop new approaches to teaching engineering at the undergraduate level and to explore new technologies that could improve

(See SCHNECK on 7)

CLARIFICATION

In the May 6 issue of *Spectrum*, an article titled, "Commemorative plaques planned for university buildings," the committee referred to in the eighth paragraph and subsequent paragraphs is the Buildings and Grounds Committee.



Spectrum, a faculty-staff tabloid, is published each Thursday during the academic year, with the exception of certain holidays, exam weeks, and the summer. Copy deadline is 5 p.m. Thursday. No advertising is accepted.

Spectrum is a non-profit publication of the Office of University Relations: Lawrence G. Hinker, associate vice president for University Relations; David Nutter, associate director for Public Affairs.

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Letters to the editor and questions for "Ask *Spectrum*" should be addressed to the editor, 105 Media Building, Virginia Tech, Blacksburg, VA 24061.

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Tech students thrive at South African university

By Stewart MacInnis

Seven Virginia Tech students who are spending a semester at a South African university are thriving on the experience, according to a faculty member who is accompanying them on the exchange.

"It's exciting for our students," said David Notter, professor of animal and poultry sciences. "They can sit on the edge of this dynamic time there and watch the society evolve. There's no way to ignore it, because it's happening all around."

The seven students from the College of Agriculture and Life Sciences are spending this semester at the University of Orange Free State. Ten students and a faculty member from that university spent last semester at Virginia Tech in the first round of an on-going student and faculty exchange program between the two institutions.

The University of Orange Free State is located at Bloemfontein, a city of about 400,000. The campus, with an enrollment of

about 10,500, is smaller than Virginia Tech's.

"The students are enjoying the city," said Notter, who returned to Virginia Tech for several weeks recently. "The university is very self-contained, but they can get out and around the city and they aren't finding it all that strange. There is what could be a small version of the New River Mall just off campus, in fact."

There is excitement in the air as South Africa struggles with the social and political challenges that have surfaced during the country's journey from its apartheid past, Notter said. For the Virginia Tech students, that excitement will climax in May as South Africans vote for a successor to Nelson Mandela, who is stepping down from the presidency.

"It is a very relaxed social environment for our students," Notter said. "They are fitting in well in the university community, and they are making many friends. They can tell that many people are a little apprehensive about what will happen with the election. That is on top of the obvious tension in the society as it grapples

with the challenges it is facing."

Perhaps as large as the social adjustment is adjusting the South African academic system, which is based on a European tradition.

"There's a little less structure than we have here," Notter said. "It's a little more laid back, a little more social and a little more congenial."

The students are seeing the positive side of the academic system now; there is less structure in the curriculum, but there is a definite expectation that they will have to master the subject matter. Notter said the students may find the exams harder than here, because with the expectation of mastery of the subject professors don't necessarily cover in class every question that will be on the exam.

"It's a different philosophy," he said. "The South African students we had in Blacksburg last semester said that classes at Tech were easier than at Free State. In retrospect, I think that meant that expectations were more clearly spelled out at Tech, whereas at Free State the

(See TECH STUDENTS on 4)

Extension employees honored by ESP chapter

By Mary Ann Johnson

The Alpha Gamma chapter of Epsilon Sigma Phi, an honor organization of Extension workers, recently presented awards to those who have made outstanding contributions to Extension.

Audrey Lee, 4-H youth-development agent at Bedford County, received the Distinguished Service Award

Beverly Butterfield, family-and-consumer-science agent at Fauquier County, received the Visionary Leadership Award.

Scott Baker, agriculture-and-natural-resources agent at Bedford County, was honored as the agent with less than five years of service conducting outstanding programs.

Receiving awards as outstanding units were Gloucester County Extension staff members Janet L. Leigh, unit director and family-and-consumer-science agent; Marilyn C. Morris, 4-H youth-development agent; Jacquelyn D. Wilgus, program-support technician; Jacquelyn Jeffries, 4-H technician; Betty Nichols, program assistant; Kathleen B. Sauter, agent for

child care, and Patricia Zima, master-gardener coordinator.

The outstanding Fauquier County unit Extension staff members include Beverly Butterfield, unit director and family-and-consumer-science agent; Keith Dickenson, agriculture-and-natural-resources agent; Chuck Hoysa, horticulture agent; Barbara Harrick, former 4-H youth-development agent; Paula Debes, 4-H youth-development agent; Ruth Beach, program-support technician, and April Gannon, office associate.

The outstanding Loudoun County unit Extension staff members include Gary Hornbarker, unit coordinator and agriculture and natural-resources agent; Marilyn Jarvis, 4-H youth-development agent; Beverly Samuel, family-and-consumer-science agent; Andrew Gerachis, horticulture agent; Alex Blackburn, soil scientist; Lyn Sebesta, financial-counseling coordinator; Susan Bishton, Smart Choices Nutrition Education Program coordinator; Keith Lilly, administrative manager; Sue Naille, information-services technician; Barbara

Thacker, program-support technician, and Jean Dawson, financial counseling secretary.

Receiving outstanding individual awards were: Cathy Corker, 4-H youth-development agent; Ray Simms, agriculture-and-natural-resources agent, and Rebecca Taylor, family-and-consumer-science agent, all of Spotsylvania County; Johanna Hahn, family-and-consumer-science agent at Newport News; and Patricia Robinson, 4-H youth-development agent at Louisa.

Outstanding teams included Planning District 11 Rural Water Quality Initiative team members Bill Seya, animal-science agent, Amherst County; Janet Thaxton, family-and-human-development agent, Amherst County; Kevin Irvin, 4-H youth agent, Amherst County; Laura McClenny, 4-H youth agent, Appomattox County; Eric Eberly, farm-business-management agent, Appomattox County; Audrey Lee, 4-H youth agent, Bedford; Helen Smith, nutrition-and-wellness agent, Bedford

(See EXTENSION on 4)

ACTIVITIES

EVENTS

Friday, 28

Friday Night Out Concert, 6 p.m., Henderson Hall
Lawn: No Strings Attached.

Saturday, 29

YMCA Hike, 1:30 p.m., meet at YMCA, 403
Washington St.: Dragon's Tooth.

Monday, 31

Memorial Day Holiday for Faculty and Staff.

JUNE

Tuesday, 1

Salary and Wage Paydate.
Family Support Program, noon, DBHCC conference
room C: "Talking to Children about Discipline," by T.J.
Stone, NRV Community Services.

Wednesday, 2

MPRG Symposium, Squires/DBHCC: Through 6-4.
Film, 7:30 p.m., Squires Haymarket Theatre: *The Usual
Suspects*.

Friday, 4

Friday Night Out Concert, 6 p.m., Henderson Hall
Lawn: Michael Mulvaney.

Sunday, 6

YMCA Hike, 9 a.m., meet at YMCA, 403 Washington
St.: Tinker Cliffs.

Monday, 7

Last Day to Drop.

Wednesday, 9

Animal Industry Day, 8:30 a.m., Livestock Center.

Parking-lot closures scheduled

There are currently several paving and capital projects under way, some of which have had scheduling changes. VDOT has notified the university that it planned to begin to overlay two parking lots this week.

The Litton-Reaves parking lot will have portions closed for overlay. The large faculty-staff-commuter lot was closed beginning Tuesday, May 25. The work will be done in stages starting with the northern half (closest to the Grove). The smaller faculty-staff lot between Wallace Hall and Litton-Reaves and the small faculty-staff-graduate lot next to the Grove will remain open. The work should be complete in one to two weeks. In the large Prices Fork commuter lot, the northeast section will be closed for a time, following the completion of Litton-Reaves (time permitting). Tentative start date is May 31, to be complete by June 8.

The Mall closure has been delayed while the AC/ITC project waits on delivery of steel for the bridge section. The Mall should be closed in the next two weeks.

Tech's telephone service to make changes

At Virginia Tech, many employees make operator-assisted calls from their office phones. Operator-assisted calls include those originated from an outside line (after pressing 9 for faculty or staff), followed by pressing 0, then requesting assistance from an operator; or, pressing 0 plus a destination number for a calling card call. Specific types of operator-assisted calls are outgoing collect, person-to-person, third number and calling card.

During May, Virginia Tech will transition service to AT&T for operator-assisted calls originating from the Blacksburg campus. There will be no change in the way operator-assisted calls are dialed. Calls placed via a calling card's toll-free (800, 888, etc.) or equal access (e.g. 10102220) number will not be affected by this change and will continue to be processed by the carrier affiliated with the vendor-provided access number. Calls placed from university phones, but billed to a personal calling card or to an off-campus telephone number, will be listed in a section of a billing statement titled AT&T. The originating number will continue

BULLETINS

to be shown as 540-231-6000.

Anyone encountering difficulties using the university's operator-assisted services should contact Communications Network Services (CNS) Diagnostics at 1-6780 (8 a.m.-5 p.m., Monday-Friday). General questions regarding these facilities should be directed to CNS Customer Support at 1-6460. This memo and other important telecommunications information are posted on CNS's homepage at <http://www.cns.vt.edu>.

Area code change won't affect dialing NoVa Center

Virginia's newest area code, 571 will overlay the geographic area currently served by area code 703 in Northern Virginia. The overlay method for Northern Virginia means the same geographic area will have two area codes. All existing phone numbers with the 703 area code will keep that area code. Upon exhaustion of available 703 numbers, new requests for telephone numbers will be assigned the 571 area code. The introduction of this new code will essentially double the quantity of telephone numbers available in the Northern Virginia area.

This change will have no effect on 5-digit dialing (8-xxxx) from the Blacksburg campus to the Northern Virginia Graduate Center (NVGC). Five-digit calling from the NVGC to the Blacksburg campus will not change (1-xxxx, 2-xxxx). The Northern Virginia campus will retain its current 703 area code with a 538 exchange.

Currently, calls placed from the NVGC to other numbers in the 703 area code are dialed using 7-digits—no "1" or area code is required. Of special note beginning June 1, Bell Atlantic will implement a new dialing pattern for area code 703, enabling the dialing pattern of 1, plus the area code, plus the 7-digit number. As of June 1, Northern Virginia customers will be able to place calls using either the current 7-digit pattern or the new 1-plus ten digits dialing pattern until March 1, 2000. At that time in the 703 area code region, it will be mandatory to dial 1+ area code + number. There will be no billing changes for these calls—they will still be free within the local area and the rates for extended area calling will remain the same. However, the display of extended area calls on telephone bills may appear as 10-digit

numbers instead of the current seven-digit numbers.

Effective Tuesday, June 1, Communications Network Services (CNS) will enable these changes in Virginia Tech's telephone system, allowing ample time to resolve possible unanticipated problems. Now is a good time to begin thinking about reprogramming modems, fax machines, and speed- or automatic-dialing equipment. Be sure to provide the area code when exchanging telephone numbers.

For more information about the area code change, call CNS Customer Support at 1-6460.

Off-Campus Housing Office provides professional packet

The Off Campus Housing Office is offering a new service to the faculty and staff members of Virginia Tech.

For Tech employees moving into the area or looking for a new rental within the New River Valley, please call or e-mail the office at 1-3466 or vtoch@vt.edu for a free "Professional Housing Packet."

The packet contains information to aid in a search for professional or family housing.

For more information call Melissa Vidmar, Public Relations and Off Campus Housing Manager for University Unions and Student Activities.

CASSA sponsors bloodmobile, food drive

The Red Cross Bloodmobile, sponsored by the College of Arts and Sciences Staff Association (CASSA), will be at Virginia Tech June 8.

The bloodmobile will be parked outside McBryde Hall from 8:30-11:15 a.m. and 1-3:15 p.m.

CASSA also will conduct a food drive the same day so those donating blood or those who cannot donate blood can give non-perishable foods. A pickup truck will be parked near the bloodmobile for collection of the food. There will be door prizes for those donating blood or food and free food and drinks for blood donors.

Reservations are preferred, but walk-in donors will be welcomed. To make reservations, call Laura Montgomery at 1-8971 or send e-mail to lmontgom@vt.edu.

TECH STUDENTS

Continued from 3

classes were less tightly controlled."

The value of the classes—both in terms of academic credit toward graduation and in terms of the educational experience—is equivalent to those at Virginia Tech, despite the differences, Notter said. Part of that is due to the attitude of the students, whom Notter described as mature and serious about their studies. He added that the Free State curriculum is challenging and the faculty is very capable.

The academic term at Free State runs about three weeks behind Virginia Tech's term. And, because South Africa is in the Southern Hemisphere, the students are enjoying the South African fall. They will begin a three-week period of final exams beginning May 24.

"Most of the students are planning to stay a little while after the semester to travel," Notter said. "They're planning to visit Botswana, Namibia, and Zimbabwe. The way the experience is going now, the way they've made friends, they will find it difficult to leave."

EXTENSION

Continued from 3

County; Scott Baker, animal-science-agent, Bedford County; Dick White, crop-and-soil-science agent, Campbell County; Ron Sanderson, 4-H youth agent, Campbell County; Blake Ross, agricultural engineer, Virginia Tech, and Kathleen Parrott, housing specialist, Virginia Tech.

The outstanding Nutrition Team at Virginia Tech included Joan C. Elledge, assistant state program coordinator, Expanded Food and Nutrition Education Program and Smart Choices Nutrition Education Program; Daisy L. Stewart, associate professor, Virginia Tech Department of Teaching and Learning, and Ann Hertzler, Extension specialist in foods and nutrition, Virginia Tech.

The outstanding Prince William County Financial Education Program team included members Marilyn W. Grizzard, unit coordinator and family-and-consumer-sciences agent; Joseph E. Botta, financial-education-program coordinator; Marjorie N. Leon, HUD housing counselor, and Patricia M. Lozano, financial-education-program assistant coordinator.

Agriculture-and-natural-resources agent members from the outstanding Planning Districts 9 and 10 team include Charlie Goodman, Fluvanna County; Dave Vaden, Albemarle County; Frank Sweet, Greene County; Jim Riddell, Louisa County; Michael LaChance, Nelson County; Steve Hopkins, Orange County; and Brad Jarvis, Madison County.

Meritorious Service Awards were presented to individuals who have demonstrated excellence in support of Extension programs. Those honored were Linda Philpott, 4-H program assistant, Fairfax County; Anna Moran, Smart Choices Nutrition Education Program, Arlington; Delmy Hernandez, Expanded Food and Nutrition Education Program, Arlington; Joe Gray, supervisor of the Extension Distribution Center, Virginia Tech; Christine Eastman, 4-H Expanded Food and Nutrition Education Program, Alexandria, and Virgie Dow, secretary, program-support technician, Brunswick County.

Sallie May Pleasants, a former Extension agent at Goochland County, was honored as Outstanding Retired Person. She retired from Extension in January.

ACHIEVERS

Continued from 2

John M. Carroll, professor in computer science and director of the Center for Human-Computer Interaction, attended a meeting of the National Research Council's Committee on Human Factors in Meza, Ariz. The committee reviewed Air Force research needs and programs in training. Carroll also was an invited speaker at the Georgia Tech Conference on Knowing and Learning to Design; his talk was titled "Why Scenario-Based Design?"

Library Journal, the flagship publication of the American Library Association, has named Associate Professor of History **Larry Shumsky's** *Encyclopedia of Urban America, the Cities and Suburbs* one of the best reference works of 1998. ABC-CLIO Press published the work in two volumes.

John Cairns Jr., university distinguished professor of environmental biology emeritus, has been elected to membership in the American Philosophical Society, "this country's first learned society."

The American Philosophical Society (APS) has played an important role in American cultural and intellectual life for 250 years. Founded in 1743 by Benjamin Franklin and devoted to the advancement of scientific and scholarly inquiry, the society is an eminent scholarly organization of international reputation that promotes useful knowledge in the sciences and humanities through excellence in scholarly research, professional meetings, publications, library resources, and community outreach.

Early members included George Washington, John Adams, Thomas Jefferson, Thomas Paine, James Madison, and John Marshall, as well as Lafayette, von Steuben, and Kosciuszko. In the 19th century, those elected included John James Audubon, Robert Fulton, Charles Darwin, Thomas Edison, and Louis Pasteur.

The membership of Albert Einstein, Robert Frost, and George Marshall gives an idea of "the scientific, humanistic, and public accomplishments of 20th-century members." Today, the society has 832 elected members, 690 from the United States and 142 from more than two dozen foreign countries. Since 1900, more than 200 of the society's members have received the Nobel Prize.

Members are elected into five classes: mathematical and physical sciences, biological sciences, social sciences, humanities, and the arts, learned professions and public affairs. The society elected 38 resident members and nine foreign members this year. Cairns, elected in the category of Biological Sciences, is believed to be the first person from Virginia Tech elected to the society.

In April, Cairns received two additional honors. One was the Twentieth Century Distinguished Service Award for outstanding contributions to the synergistic development and direction of statistics, ecology, environment, and society, presented at the Ninth Lukacs Symposium on Frontiers of Environmental Ecological Statistics for the 21st Century. The symposium was held at Bowling Green State University in association with the International Statistical Institute, the American Statistical Association, the International Association for Ecology, the International Society for Ecosystem Health, the International Society for Ecological Economics, the International Environmetrics Society, the Society for Risk Analysis, and the U.S. Environmental Protection Agency.

Cairns also was invited to give the keynote address on "World Peace and Global Sustainability" for the 12th Annual Conference of Concerned Philosophers for Peace. The conference, whose theme is Peace and Global Issues, will be held at Radford University in October.

Cairns does research aimed at improving the quality of information used in making environmental decisions, and his research forms the basis on which much subsequent work has been done in several fields.

She's a teacher so accomplished she caused a self-described "techie-geek engineering student" to decide to minor in Women's Studies in spite of his strenuous schedule. She's a researcher whose book *Real Knockouts: The Physical Feminism of Women's Self Defense* has changed thinking about gender, the body, and self defense. And she is a scholar who believes in affecting real life with her research, so she works with anti-gender-violence organizations and community groups. As a result, **Martha McCaughey** has been chosen to receive the 1999 Recognition Award for Emerging Scholars

from the American Association of University Women (AAUW) Educational Foundation.

The annual award recognizes the early professional achievement of a non-tenured woman scholar who has a record of exceptional early accomplishments and who shows promise of future distinction. Recipients must have earned a Ph.D. or its equivalent in the past five years, and selection is based on demonstrated excellence in teaching, a documented and active research record, and evidence of potentially significant contribution to the recipient's field of study.

McCaughey is the first person at Virginia Tech to win the award and the second person in the field of Women's Studies, according to Courtney Chappell, manager of the Emerging Scholar Award for AAUW.

"Dr. McCaughey's commitment to women's issues is clearly demonstrated in her scholarly research, teaching, and activist work on behalf of women," said Women's Studies Director Laura Gorfkle, who nominated her for the award.

McCaughey is an interdisciplinary scholar with a broad range of interests, including scientific narratives about sex and race differences, popular culture, feminist theory, and social movements. She is officially part of the Virginia Tech faculty in Women's Studies, and also is an adjunct professor in sociology and Science and Technology Studies.

"Her work is designed to affect women's lives, not simply to converse with other academic feminists," according to Patricia B. Hyer, associate provost for academic administration in a letter supporting McCaughey's nomination for the award.

McCaughey, who also served this year as associate head of Women's Studies, will receive the award June 22 during the AAUW convention in Washington, D.C. The award carries a \$5,000 honorarium, and McCaughey will give a talk at the awards dinner.

At the Industrial Designers Society of America national conference in San Diego, **Ed Dorsa**, a visiting faculty member in Industrial Design, received two awards. One was in recognition of his three years of service on the IDSA National Education Committee. The other was the "Best Education Paper" award for papers presented at the National Education Conference. Dorsa's paper was titled "On Realities and Ideals in Industrial Education." This is the second time Dorsa has received this award. In addition, as a result of his presentation last year, **Bill Green**, professor in industrial design, was asked to make a special presentation at this year's professional conference.

Ellen Braaten, an Architecture faculty member and assistant to the dean for special projects, completed her third visit as a teaching fellow to the Artigas Foundation in Gallifa, Spain. The foundation was created by ceramic sculptor and artist Joan Artigas in honor of his father Josef Llorenz Artigas, one of the greatest ceramic artists in Spain, to encourage practicing artists. Joining Braaten in the five week program in the mountains of Spain were College of Architecture and Urban Studies alumni Matthew Sleightholm (BArch 1998) and Scarlett Suhly (BArch 1996). Braaten has been invited to return as a teaching fellow next summer and will be accompanied by six alumni.

Susan Piedmont-Palladino, a faculty member at the College of Architecture and Urban Studies' Washington-Alexandria Architecture Center, is co-author, with Mark Branch, of the book *Devil's Workshop: 25 Years of Jersey Devil Architecture*, published by Princeton Architectural Press. Piedmont-Palladino is national president of Architects/Designers/Planners for Social Responsibility, a non-profit organization with more than 4,000 members in chapters across the United States committed to protection of the natural and built environment and socially responsible development. She was also invited to join the Committee of 100 on the Federal City, Washington, D.C.'s oldest urban advocacy group. Its membership includes leading architects, urbanists, environmentalists, politicians and citizen activists.

Maria Bordas, associate professor in the School of Public Administration in Budapest, Hungary, was a visiting Fulbright Scholar in the Department of Urban Affairs and Planning this year. During her stay at Virginia Tech, Bordas researched and lectured on privatization and public-private partnerships. Bordas was one of about 725 visiting scholars who received awards to come to the United States, funded by the U. S. Information Agency and the host institutions. The Fulbright program promotes international scholarly exchange during a period of increasing

interdependency of nations.

Marcia Feuerstein, a faculty member in the Department of Architecture, was invited to serve as the "Design International Guest Professorship" in Architecture at the *Département de Design, Université à Montréal, Montréal (Québec)* Canada this spring. Feuerstein is the author of "Utopianism" in *Utopian Studies*, volume 9, No. 1, 1998. She also made an invited presentation on "retooling" design and the body in education at the National Conference on the Beginning Design Student in Los Angeles last spring.

Jesse J. Richardson Jr., a faculty member in the Department of Urban Affairs and Planning, has been selected as a member of the Thomas C. Sorensen Institute for Political Leadership Class of 1999 at the University of Virginia. Richardson was one of 37 educators, private practitioners, and government officials chosen from throughout Virginia to take part in the 10-month program of classes, presentations, and discussions of public-policy issues facing Virginia. Richardson has experience as a lawyer specializing in land use and zoning issues. He also developed a law program at the Agricultural University of Tirana in Albania.

Mark E. Schneider, visiting assistant professor in the Department of Architecture, has been chosen recipient of the Diggs Teaching Scholar Award for 1999. Schneider, of the Foundation Studies Program in the Department of Architecture, is recognized for his outstanding contributions to the education of beginning architecture students, especially through his two-semester History of Architecture course. The Diggs Program is dedicated to promoting excellence, imagination, and commitment in teaching and student learning. This fall, the Diggs Teaching Scholars will lead a roundtable discussion relating to their recent work. Schneider's discussion will be on "Developing Educational Models for Beginning University Students."

Robert Smith, assistant professor, had an article published in the April wood science and forestry products issue of *Forest Products Journal*. "Assessing the availability of wood residues and residue markets in Virginia," was co-authored by graduate student, **Delton Alderman**. Also published was "Evaluating forest-based economic development needs in Virginia" by Smith, and co-authored by Alderman and **A.L. Hammett**, associate professor in wood science and forest products.

Jeff Waldon, research scientist in fisheries and wildlife, received the Virginia Chapter of The Wildlife Society Professional Award for 1999 and will have a book published with Joseph Mitchell titled *Amphibians of Virginia*, this summer.

Mike Vaughan, professor of fisheries and wildlife sciences, and technicians attended the Eastern Black Bear Workshop in Lenox, Mass. Vaughan presented a paper on black-bear research priorities in the Southeastern U.S.

Vaughan, and **Pat Scanlon**, professor of fisheries and wildlife sciences, received \$20,000 from WESTVACO for research on black-bear denning success on industrial versus non-industrial forests.

Two Virginia Tech faculty members received Twentieth Century Distinguished Service Awards for outstanding contributions to the development and direction of cross-disciplinary scholarship for statistics, ecology, environment, and society at the Ninth Lukacs Symposium held at Bowling Green State University in Ohio. **Eric P. Smith**, professor in the Department of Statistics, was honored under the environmental category; and **Harold E. Burkhart**, the Thomas M. Brooks professor in the Department of Forestry, was recognized in the statistical ecology category. Smith and Burkhart gave invited presentations at the symposium and both served as panelists for a session on "Approaches for Cross-disciplinary Scholarship in the New Millennium."

Robert Bush, associate professor in Department of Wood Science and Forest Products, presented two invited papers at the Spring Meeting of the Hardwood Plywood and Veneer Association in Asheville, N.C. (April 29 and 30). Bush presented "Top trends in the marketing of forest products—How to profit (survive)" and "Creating a Marketing Attitude—Business orientations in Forest Products."

EMPLOYMENT

CLASSIFIED POSITIONS

The following classified positions are currently available. More details of these positions, specific application procedures and position-closing dates may be found on the Personnel Services web site at <http://www.ps.vt.edu>. Available positions are also listed on the Job Line, a 24-hour recorded message service: Office/Clerical: 1-6196; Technical/Research: 1-6160; Service/Trades: 1-6176; Professional and Managerial: 1-4649; Information Technology: 1-2233. Some of the following positions include state benefits. Positions with numbers beginning with a "W" are hourly and do not include state benefits. Comments about this shortened listing should be made to perserv@vt.edu or by calling 1-5301 or 1-6258 for persons with hearing impairments. Individuals with disabilities desiring assistance or accommodation in the application process should call by the application deadline.

To better serve applicants, the closing date for advertised positions has been changed to 1 p.m. Monday unless otherwise stated. An EO/AA employer committed to diversity.

Full Time

Computer Systems Engineer, 7438J, Grade 14, Center For Power Electronics.

Computer Systems Engineer, 7440J, Grade 14, Center For Transportation Research.

Computer Systems Engineer, 7444J, Grade 14, Civil Engineering.

Computer Systems Engineer, 2704T, Grade 14, Computer Science.

Electrician, 1691P, Grade 7, Physical Plant.

Electronic Technician, 2738T, Grade 9, University Registrar.

Fiscal Assistant, 810P, Grade 5, Controller.

Food Operations Manager A (Assistant Manager), 1033H, Grade 8, Residential and Dining Programs/Dietrick Dining Center.

Food Operations Manager B/Executive Chef, 0029H, Grade 10, Residential and Dining Programs/Owens Dining Center.

Housekeeping Lead Worker/Special Projects Crew, 0300H, Grade 2, Residential and Dining Programs.

Housekeeping Supervisor, 124H, Grade 4, Residential and Dining Programs.

Housekeeping Worker Senior, 2743H, Grade 3, Residential and Dining Programs.

Housekeeping Worker, 1138G, Grade 1, Donaldson Brown Hotel and Conference Center.

Housekeeping Worker, 2135C, Grade 1, Physical Plant.

Housekeeping Worker, 7261G, Grade 1, Recreational Sports.

Housekeeping Worker, 1216H, Grade 1, Residential and Dining Programs.

Housekeeping Worker, 6954G, Grade 1, University Unions and Student Activities.

Information Technologies Audit Manager, 1735T, Grade 16, Internal Audit.

Laboratory Specialist Senior, 4275T, Grade 9, Chemistry.

Large Animal Veterinary Technician/Medical Technologist, 7445S, Grade 9, Veterinary Teaching Hospital.

Licensing and Trademark Director (Business Manager B), LC055D, Grade 12, Trademark and Licensing.

Office Services Specialist, 489S, Grade 5, Library.

Office Services Specialist, 0242H, Grade 5, Residential and Dining Programs/Culinary Services Administration.

Oracle DbA, 7433D, Grade 14, Administrative Information Systems.

Pharmacy Supervisor, 6516M, Grade 15, Veterinary Teaching Hospital.

Program Support Technician Senior, 4001S, Grade 7, Electrical Engineering (CPES).

Program Support Technician, Foods, Grade and Exercise, Human Nutrition.

Programmer, 2256D, Grade 10, University Libraries.

Programmer/Analyst, 6887D, Grade 12, Administrative Information Systems.

Security Guard (Parking Enforcement Off.), W020415T, Grade 2, Parking Services.

Senior Programmer Analyst, 6896D, Grade 14, Information Technology Acquisitions.

Television Systems Technician, 6920D, Grade 8, Media Services - VBS.

Part Time

Animal Care Technician A, W022155M, Grade 3, Veterinary Teaching Hospital.

Animal Care Technician B, W022190M, Grade 5, Veterinary Teaching Hospital.

Enrollment Services Assistant (Academic Adviser), W022613T, Grade 7, Computer Science.

Equipment Inventory Asst/Fiscal Assistant, W022627C, Grade 5, Controller's Office.

Executive Secretary, W022684J, Grade 6, Athletics.

Flight Instructor (Pilot), Airport, Grade W020661T.,
Food Operations Assistant A (Dishwasher), W022679G, Grade 1, Donaldson Brown Hotel and Conference Center.

Housekeeping Lead Worker (Trades Helper), W022081H, Grade 2, Residential and Dining Programs/Culinary Services Maintenance Crew.

Housekeeping Worker, W020214G, Grade 1, Schifert Health Center.

Office Services Specialist, W022685J, Grade 5, Electrical Engineering.

Office Services Specialist, W022456T, Grade 5, Pamplin College of Business.

Pharmacy Assistant A, W020839M, Grade 4, Veterinary Teaching Hospital.

Pharmacy Assistant B, W020546G, Grade 5, Schifert Health Center.

Pharmacy Supervisor, W022501M, Grade 15, Veterinary Teaching Hospital.

Program Support Technician, 7413J, Grade 6, Research and Graduate Studies.

Programmer, W022623M, Grade 10, College of Veterinary Medicine/Biomedical Sciences and Pathobiology.

Radiologic Technologist, W022412M, Grade 7, Veterinary Teaching Hospital.

Trades Helper/Carpenter's Assistant, W020219H, Grade 4, Residential and Dining Programs/Facilities.

University Only

Food Operations Manager Assistant, U0975H, Grade 6, Residential and Dining Programs/Deet's Place.

Personnel Analyst, U6244E, Grade 9, Personnel Services.

Postal Assistant, U1361C, Grade 4, University Mail.

Program Support Technician, U7453J, Grade 6, Near Environments.

Off Campus

Animal Care Technician B, 7099M, Grade 5, College of Veterinary Medicine/Equine Medical Center.

Carpenter Senior, 2997M, Grade 8, College of Veterinary Medicine/Equine Medical Center.

Distance Learning Specialist, 7410D, Grade 12, Office of Distance Education.

INSTRUCTIONAL

Department of Building Construction. Assistant Professor. The department invites applications for a tenure-track position beginning Aug. 10, 1999. Applicants should possess capability to teach graduate and undergraduate courses in studio, lecture, and distance learning formats. The successful candidate will demonstrate educational background and practical experience in historic preservation, technologies of architecture, construction-management processes, and building performance evaluation especially as related to indoor air quality. Applicants also will be expected to demonstrate, both through capacity and experience, ability to contribute to the department's role in international curricula and programs via the international Consortium of the Washington-Alexandria Architecture Center and the university's Center for European Studies and Architecture located in Riva San Vitale, Switzerland. This post will be located in Northern Virginia and also requires that the incumbent evidence capacity to assist in the management and direction of both graduate and undergraduate academic programs. A Ph.D. in architecture or closely allied discipline is required. Applications considered beginning May 15 until the position is filled. Please send a letter of application, curriculum vitae, and names, addresses, and phone numbers of three references to Max Stephenson Jr., Building Construction Recruitment Committee; 202 Cowgill Hall, College of Architecture

FACULTY POSITIONS

and Urban Studies, Virginia Tech, Blacksburg, VA 24061.

NON-INSTRUCTIONAL

University Office of International Programs. Director, Center for European Studies and Architecture, Riva San Vitale, Switzerland. Virginia Tech is seeking a director for its Center for European Studies and Architecture (CESA). This is an administrative/managerial position whose incumbent is responsible for overseeing the daily operations of this special residential learning community. The new director ideally should evidence the following competencies and capacities: awareness and understanding of the special needs and demands presented by students living together abroad while developing mechanisms in concert with college faculty members to secure the richest possible learning experience for each resident; strong interpersonal and communication skills; previous work experience in an academic environment working with faculty and college representatives of different pedagogical and curricular traditions; fluency in English and Italian; experience in the development and execution of budgets and operating and program plans; familiarity with methods and mechanisms for building and sustaining both Swiss and Virginia Tech community involvement and support for center operations and programs; knowledge and experience in the effective management of personnel; experi-

ence with the supervision and management of an academic residential facility. Beyond these specific attributes and capacities, the director is expected to have knowledge of European and Swiss cultures and institutions, be comfortable working and living in a multicultural international environment, and possess an advanced degree in an appropriate discipline. Applications review begins June 1 and continues until the position is filled. The anticipated starting date is Dec. 1, 1999. To receive consideration, a letter of application, curriculum vita, and the names, addresses, and phone numbers of at least three references should be sent to Donna Sanzenbach, Search Committee, Director of CESA, University Office of International Programs, 134 Burruss Hall (0265), Virginia Tech, Blacksburg, VA 24061.

Virginia Cooperative Extension. Family and Consumer Sciences Extension Agent. Extension agents hold lecturer rank, non-tenure-track, professional faculty positions. The family and consumer sciences agent will have area responsibilities in his/her program specialty. Salary is commensurate with qualifications and experience. Extension agent, Family and Consumer Sciences, Family and Human Development, Russell County: For families with children, aging members, and special-needs families such as those dealing with welfare and court systems to achieve improved levels of self-sufficiency; and to provide education for

(See EMPLOYMENT on 7)

EMPLOYMENT

Continued from 6

providers of child care, enhancing child care in the community, and the ability of child care providers to earn income. Agents must determine program needs by monitoring trends and issues, involving Extension leadership councils and other leadership committees; design programs to meet needs of target audiences, specify program goals and objectives, and identify resources; inform clientele of program activities; use appropriate technologies to plan and deliver programs through workshops, seminars, conferences, one-on-one visits, field trips, and tours; maintain knowledge of current research information; use computer applications; develop and implement evaluation plans; recruit and use volunteers; and report results to clientele, public, and administration. Qualifications: Extension-agent faculty positions require a master's degree (or master's imminent) or a bachelor's degree with significant related experience. A master's degree and positive peer review are required no later than the sixth year of employment. At least one degree in a discipline related to the subject matter specialty area is required. Ability to communicate effectively orally and in writing; ability to recruit, train, and manage volunteers; and experience in developing positive interactions with the public are required. Experience in planning, implementing, marketing, and evaluating educational programs is preferred. To apply, submit a letter of intent, a complete resume, official undergraduate and graduate transcripts (copies are acceptable), and three letters of reference. Internal applicants may submit a letter of application, a copy of the most recent faculty report, and three letters of reference. Applications review begins June 11 and continues until position is filled. Send to Steve Umberger, Virginia Cooperative Extension, 122 Hutcheson Hall (0437), Virginia Tech, Blacksburg, VA 24061. Inquiries: 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: csowers@vt.edu.

Virginia Cooperative Extension, Agriculture and Natural Resources Extension Agent (re-advertisement). The successful candidate will be lecturer rank, non-tenure-track, professional faculty. Agriculture and natural resource agent positions have area responsibilities in their program specialty. Salary is commensurate with qualifications and experience. 111090, Animal Science, Albemarle County: The position requires basic knowledge of animal nutrition, health, animal care, and reproduction; production and financial management; marketing; biotechnology developments; waste management and use; and

water quality. Responsibilities: Agents must determine program needs by monitoring trends and issues, involving Extension leadership councils and other leadership committees; design programs to meet needs of target audiences, specify program goals and objectives, and identify resources; inform clientele of program activities; use appropriate technologies to plan and deliver programs through workshops, seminars, conferences, one-on-one visits, on-farm demonstrations, field trips, and tours; maintain knowledge of current research information; use computer applications; develop and implement evaluation plans; recruit and involve volunteers; and report results to clientele, public, and administration. Qualifications: Extension-agent faculty positions require a master's degree (or master's imminent) or a bachelor's degree with significant related experience. A master's degree and positive peer review are required no later than the sixth year of employment. At least one degree in a discipline related to the subject matter specialty area is required. Ability to communicate effectively orally and in writing; ability to recruit, train, and manage volunteers; and experience in developing positive interactions with the public are required. Experience in planning, implementing, marketing, and evaluating educational programs is preferred. To apply, submit a letter of intent, a complete resume, official undergraduate and graduate transcripts (copies are acceptable), and three letters of reference. Internal applicants may submit a letter of application, a copy of the most recent faculty report, and three letters of reference. Applications review begins June 11 and continues until position is filled. Send to Steve Umberger, Virginia Cooperative Extension, 122 Hutcheson Hall (0437), Virginia Tech, Blacksburg, VA 24061. Inquiries: 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: csowers@vt.edu.

Center For Academic Enrichment and Excellence, Coordinator of Athletic Advising. There are 21 sports represented at Virginia Tech, including 11 men's sports and 10 women's sports, and two conferences: the Big East and Atlantic 10. Primary job responsibilities include: administrative oversight of the Athletic Advising Office; budget management; building collaborations between academic affairs, athletics, and Athletic Advising; and facilitating academic success for student athletes through individual and group interventions. The individual selected for this position will also be the liaison to the Registrar's Office on issues related to academic and NCAA eligibility and will be responsible for the

day-to-day management of the affairs of the Athletic Advising Office. Other duties may also be assigned as appropriate. This position requires an understanding and professional philosophy consistent with the mission of providing academic support for student athletes. The successful candidate for this position will have demonstrated examples of fostering collaboration that facilitate student-athlete integration into mainstream university programs, and particularly into the academic community. The individual selected must have experience in directing and managing change in a complex organization. Teaching and/or developing and implementing academic support programs that assist undergraduate students in obtaining academic success is also required. Experience working in a land-grant institution and a doctorate are preferred. The position requires an understanding of conceptual models of student success and strong communication skills. The successful candidate will have the ability to work with student athletes, parents, faculty members, academic and Student Affairs administrators, coaches, and athletic administrators. Submit a cover letter addressing interest in the position along with resume and contact information for three references to Beverly Bond, 336 Burruss (0216), Virginia Tech, Blacksburg VA 24061. Applications review begins June 16. Anticipated starting date is Aug. 15, 1999. Salary is competitive and commensurate with experience and qualifications.

Department of Plant Pathology, Physiology, and Weed Science, Professor and Department Head. This is a twelve-month academic and administrative appointment. Responsibilities and duties: The department head will be responsible for providing balanced leadership and administrative oversight for the department's diverse teaching, research, and Extension/outreach programs. Specific responsibilities include leadership in establishing agendas and priorities for departmental efforts; recruitment, evaluation, and promotion of faculty and staff members, preparation and management of budgets; coordination of departmental move into the new Plant Sciences Building; development of funding opportunities; and liaison with other departments, college and university administration, governmental agencies, commodity and industry groups, and alumni. The head will be expected to maintain an active research program and participate in educational and/or Extension activities of the department. Qualifications: Candidates should possess an established record of distinguished professional accomplishments in teaching, re-

search and/or Extension; strong commitment to the professional development of the faculty, staff, and students; excellent communication and leadership skills; and a vision of innovative programs in basic and applied plant biology. Applicants should submit a complete curriculum vitae, a statement of intent, and names, addresses, and phone numbers of five references. Applications review begin on or before Aug. 1, 1999 and will continue until the position is filled. Please send application materials to L.A. Swiger, Dean of the College of Agriculture and Life Sciences (0402), Virginia Tech, Blacksburg, VA 24061.

Virginia Cooperative Extension (VCE), Extension Specialist, Program and Staff Development. Responsibilities: 1) Provide leadership for assisting VCE campus and field faculty members in designing and implementing educational programs through community-based involvement suitable for VCE audiences. This includes developing training materials and delivering state, district, and local training opportunities in designing and implementing educational programs using appropriate delivery methods, including distance education. 2) Provide leadership for staff development for VCE campus and field-based faculty. This includes directing new workers' orientation, coordinating statewide in-service opportunities and conferences, and creatively developing and facilitating other staff development efforts. 3) Collaboratively working with EEP faculty members to enhance campus and field-based faculty members putting into practice the concepts and principles of appropriate and effective Extension educational programming. Qualifications: 1) Ph.D. or Ed.D. required in adult and continuing education, curriculum/instructional design, or a field related to educational program development. 2) Experience in designing and implementing community-based Extension or non-formal educational programs. 3) Excellent written and oral communication skills. 4) A commitment to working with diverse clientele and colleagues. A willingness to further the civil-rights program of VCE. Qualified candidates should submit a letter of application, vita, and names and contact information of three references to Michael Lambur, VCE Extension Specialist, Program and Staff Development Search Committee, 233 Smyth Hall (0452), Virginia Tech, Blacksburg VA 24061. Additional information: 1-9423. Applications review begins June 7 and continues until the position is filled.

SCHNECK

Continued from 3

the faculty's abilities to update course materials or to create courses that would move the college in new directions.

Recipients of this professorship hold the chair for two years. Schneck will assume the position from Charles Reinholz of the mechanical-engineering department. His appointment is from Aug. 15, 1999 to Aug. 14, 2001.

Schneck, a member of the engineering-science-and-mechanics department, has been involved with innovative educational programs for students in biomedical engineering for more than 20 years. He initiated and developed a clinical-internship program where students spend the summers at area hospitals, rotating through all of the major hospital departments and participating in all aspects of medical care. The students return to campus weekly for a lecture and to discuss their week's activities.

The American Society of Engineering Education (ASEE) recognized this internship program with a national and a regional award for making the "most significant contribution to engineering education." ASEE named Schneck the National Outstanding Biomedical Engineering Educator in 1991.

"The College of Engineering is pleased that Dan Schneck was nominated for this award by his peers. Dr. Schneck has had a distinguished career at Virginia Tech, and he is as active today in the development of innovations in biomedical engineering education as he was when he first started," said F. William Stephenson, dean of the college.

Schneck has received numerous other teaching awards during his career at Virginia Tech, including the Wine Award for teaching excellence in 1987. He has earned four Certificates of Teaching Excellence awards from the College of Engineering. The American Institute of Medical and Biological Engineering named him a fellow, placing him in the top 2

percent of biomedical engineers world wide. He is a member of Virginia Tech's Academy of Teaching Excellence.

Ten years ago, Schneck initiated a close working relationship with Virginia Tech's Cooperative Education Program to enhance the coop possibilities for biomedical engineering students. As a result, as many as 14 students in one semester have been placed in medically related positions.

He has developed and taught approximately 20 new undergraduate and graduate courses in biomedical engineering during his career. He has also initiated 11 continuing education and short courses in this field.

Schneck is the author of 14 textbooks and numerous papers on various aspects of biomedical engineering education. He and Geraldine Garner co-authored a paper for ASEE titled "Biomedical Engineering and Co-op: A Means of Reducing Health Care Costs."

Outside the classroom, Schneck served as the conference chair for the first three Mid-

Atlantic Conferences on Bio-Fluid Mechanics. He also chaired the Second Conference on the Scientific Basis and Clinical Management of Experienced Anomalous Trauma, and was the inaugural conference chair of the first fall meeting of the Biomedical Engineering Society and the first International Conference on Music in Human Adaptation. He also conceptualized and serves as co-chair for the series of Annual Multi-Specialty Medical Diagnostic Ultrasound Conferences.

The professorship was established in 1994 by American Electric Power to honor White, a 1947 electrical-engineering graduate of Virginia Tech. White is a retired chairman of the board and chief executive officer of AEP. Among his many contributions to Virginia Tech include his service as a member of the Board of Visitors, including a four-year stint as rector from 1985-89. He received the University's Ruffner Medal, given annually to a graduate for notable and distinguished service.

IN OTHER NEWS



Participants who completed the program were, from left, Sybil Phoenix, Judith Davis, Connie Sowers, Belinda Pauley, Sonya Lorraine, Frances Williams, and Linda Fontaine. (J. McCormick)

CPS participants recognized

A special luncheon in April recognized seven participants who completed the Professional Development Program that was implemented in September, 1998 by the Certified Professional Secretary (CPS)™ Group of Virginia Tech. Personnel Services, Donaldson Brown Hotel and Conference Center and the Division of Continuing Education.

The objective of the program is to provide the university's administrative-support workforce with a professional-development opportunity that would link employee goals with those of the organization.

The program was designed to provide information to employees which would enhance their knowledge, skills, and abilities that would be a benefit to the organization. The program content included information on finance and business law, office systems and administration and business management.

For completing the entire program, certificates were presented by Judy Ridinger of Personnel Services to Judith Davis, CHRE; Linda Fontaine, history; Sonya Lorraine, University Registrar; Belinda Pauley, Cranwell Center; Connie Sowers, Air Force ROTC; Frances Williams, Management and Professional Development Programs; and Sybil Phoenix, Agriculture and Life Sciences. A number of other employees completed parts of the program.

Tech instructors who were acknowledged for their contributions to the program were Judith Jones of Extension Services, and Harold Gilbert of Personnel Services, who taught the management module.

This program stemmed from an interest by

TURNER

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joint venture to build floating nuclear plants.

From 1978 until 1981, Turner served as general manager of the Nuclear Components Division of Westinghouse. In this position, he was responsible for the sale, design, and manufacture of large steam generators and reactor-core internals for U.S. and international utilities.

Turner's more than 40 years of work with the naval nuclear shipbuilding earned him the 1999 Fleet Admiral Chester W. Nimitz Award from the Navy League of the U.S. The award is given annually to a person who has made a major contribution to the U.S. maritime strength.

At Virginia Tech, in addition to his service on the Board of Visitors and the Foundation Board of Directors, he is a member of the Ut Prosim Society, the Golden Hokie Club and the College of Engineering's Committee of 100. His professional society memberships include the Society of Naval Architects and Marine Engineers, the American Society of Naval Engineers, Naval Submarine League, the Navy League of the U.S., and the American Defense Preparedness Association.

Virginia Tech employees who hold the CPS rating to share information about this certification and its benefits with other university employees as well as to have the certification recognized by the university when considering job qualifications for potential promotional opportunities.

The program was divided into finance and business law, office systems and administrations, and management modules.

The finance-and-business-law module contained material relative to economics, compliance with laws in a business setting, and basic accounting and bookkeeping techniques. Office systems and administration included material ranging from information processing to written and oral-communication techniques. The management module is a combination of behavioral-science, human-resource and organizational management as well as other management principles and theories.

Eight university employees sat for CPS exam in May. The CPS exam is given the first Saturday in May and the first Saturday in November.

If there is continued interest, the CPS Group will offer the professional-development program in September. Those interested should contact Brenda Husser at 1-6878 or bhusser@vt.edu.

MAXSON

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Commission, the Board of Directors of the Richmond Eye and Ear Hospital, the Board of Trustees of Bon Secours St. Mary's Health Corporation, board-member and past president of the South Richmond Rotary Club, and the Richmond Chamber of Commerce.

He has served for a total of 12 years as a member of the Virginia Tech Board of Visitors, including eight years as chair of the Building and Grounds Committee, and eight years as a member of the Executive Committee. He has also served on the College of Architecture and

OBITUARY

Karl T. Hereford, 72

By Jean Elliott

Karl T. Hereford, the founding dean of the College of Education, died Sunday, May 23 at the age of 72.

Hereford came to Blacksburg in 1970 and was given one year to plan the college's structure and curriculum. In five years, he increased the faculty from 18 to more than 100, with concomitant growth in degree authorization, numbers of students, external graduate-school programs (most notably in Northern Virginia), international programs, the Ph.D. degree in conjunction with the statistics department, and the teacher education program. Hereford organized the college into four divisions (Administrative and Educational Services, Curriculum and Instruction, Health, Physical Education and Recreation, and Vocational Technical Education) rather than the traditional academic departments, because he felt the departmental structure was too confining.

"He is the brightest guy I ever met," said Wayne Womer, also a former dean of the College of Education. "He was very creative. He was recruited by President Hahn, who wanted to make Tech more than an agricultural and engineering school. In turn, Karl recruited good faculty members who stayed a long time and the college certainly made a mark in Virginia. At the time, Virginia was only preparing about half of the teachers it needed and only campus-based doctoral programs were available. He established seven doctoral programs, made them available around the state because that's what the clients needed...it was he who drove that process."

The college was first accredited by the National Council for Accreditation of Teacher Education (NCATE) in 1975 to certify graduates of its professional preparation programs. The 1975 NCATE accreditation was unusual for such a young program. In fact, the national accreditation of the College of Education as a doctoral-granting institution in less than four years (the youngest ever to achieve that distinction) served as proof of hard work, high standards, and cooperation that characterized the early years of the college.

After serving as dean for eight years, Hereford returned to full-time teaching and advising in 1978. Shortly thereafter the faculty elected him to the position of program area leader in Education and Policy Studies.

Janet Johnson, dean of the College of Human Resources and Education said "As founding dean of the College of Education, Karl provided outstanding vision and leadership. His dedication advanced Virginia Tech to prominence in all areas of teacher education, counseling and educational leadership. He left a legacy important to our history and important to who we are today as the College of Human Resources and Education."

Hereford held degrees in biology, biochemistry, and taxation and public finance. His doctorate in education administration was from the University of Kentucky.

There will be a memorial service at Glade Baptist Church in Blacksburg on Saturday, May 29, at 2 p.m.

MUSSER

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the United States.

In its resolution honoring Musser, the board stated that "a hallmark of his tenure was the successful integration of women into the Corps organizational and dormitory structure." The board stated that "General Musser has presided over the resurgence and expansion of the Corps of Cadets since 1994, including the doubling of the size of the Corps and an overall increase in the quality of entering cadets."

Musser started his Air Force career in 1958. He went on to fly 263 combat missions during two tours of duty in Vietnam, and for four years was a member of the world-famous Thunderbird

team, with which he flew more than 300 aerial demonstrations in the United States and 20 foreign countries. Altogether, he logged more than 4,500 flying hours.

Over the years, he earned the Defense and Air Force Distinguished Service Medals, the Silver Star, the Distinguished Flying Cross, the Purple Heart, 11 flying medals, and numerous other awards. He came to Tech after retiring from the Air Force in August 1989.

"The Corps has been great for me because it allowed me to stay in uniform and work with fine young men and women who will lead our nation in the next millennium," Musser said. "I see nothing but great things for the Corps."

ENGINEERING

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Hardware and Software, Mr. Fixit for PC Hardware and Software, Mr. Know Where To Get It if You Don't Have It, Mr. Look It Up for You, Mr. Come to the Rescue, Mr. Lab Instructor. Will is always willing to help in any way—no matter what your problem."

One of Vest's responsibilities is maintaining hardware for the more than 250 computing platforms in ISE, a job that he added to his electrical-engineering post after joining the department's staff five years ago. He also oversees and repairs all electronics instrumentation in ISE's numerous research and teaching laboratories.

As John Casali, ISE department head, said, Vest often voluntarily performs other jobs. He has stepped in as a temporary instructor in the manufacturing processes teaching laboratory and assumed much of the responsibility for moving ISE's computer and lab equipment from Whittemore to the New Engineering Building. "He goes well above normal expectations to make sure something is done right the first time," said Mike Deisenroth, ISE assistant department head and Vest's supervisor.

Letters of support for Vest's nomination from administrators, staff and students all made note of his demeanor. "Mr. Vest will always help you with a smile," wrote Ph.D. candidate John Tester, "and I've never, ever heard him complain or make a disparaging remark about anyone. This trait is not a work requirement, but it sure speaks well of a great individual with whom one can work. Will Vest is the type of employee for whom this award was created."

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