

Feeling Food

Measuring our emotional responses to food

First Class

School of Medicine graduates
40 doctors

Power Couple

Alumni lead Kansas' land-grant university

VIRGINIA TECH

magazine

summer 2014



VIRGINIA TECH

Firsts

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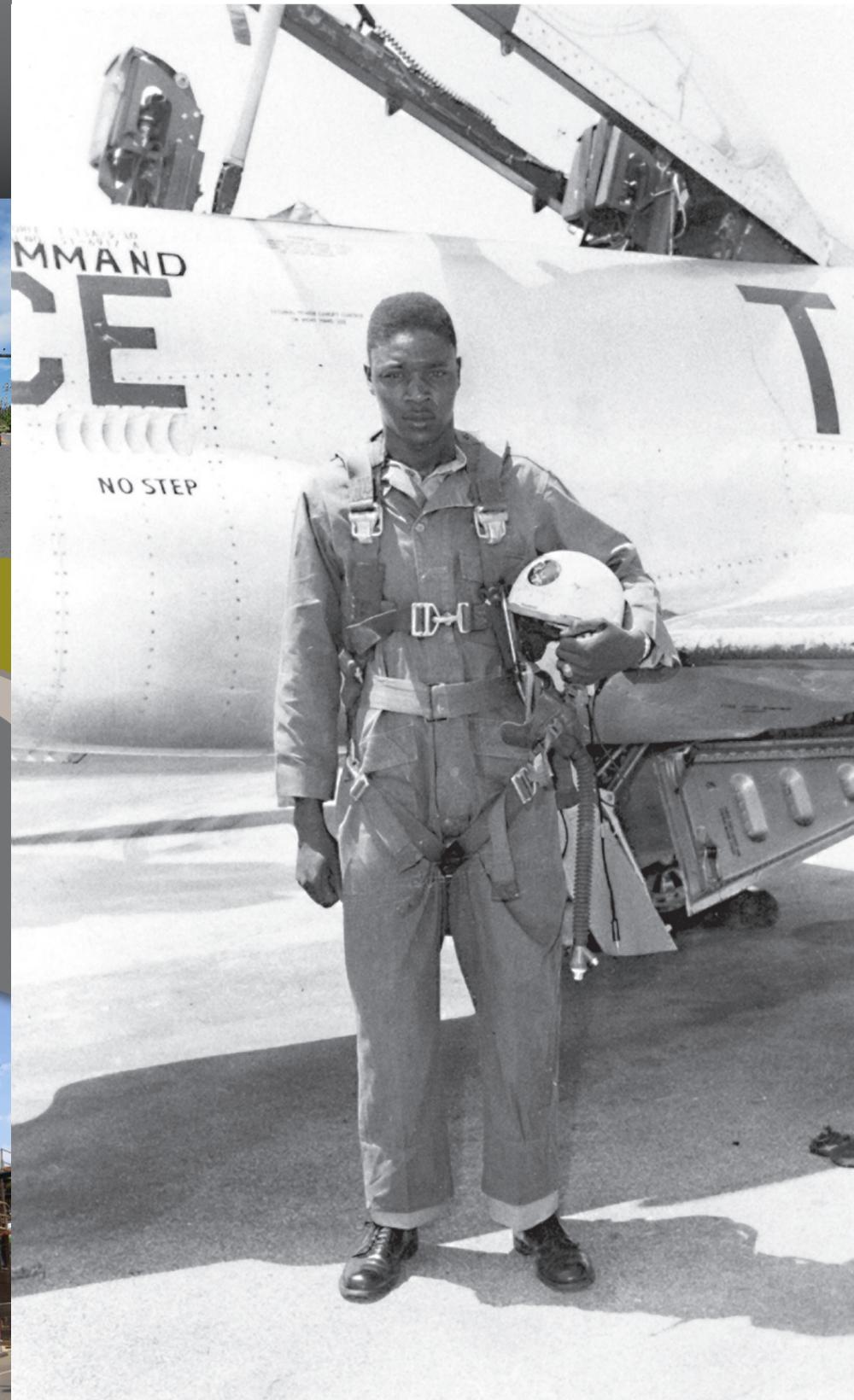
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Taking flight: Charlie L. Yates (mechanical engineering '58) (above) was the first student to earn a Virginia Tech degree. The Peddrew-Yates Residence Hall commemorates him and Irving L. Peddrew III, who, in 1953, became the first black student to enroll at Tech. Photo courtesy of Historical Photograph Collection, Special Collections, University Libraries, Virginia Tech.

contents features

How Tech Ticks: Feeling Food

Do those donuts call to you? Virginia Tech students and professors are building the foundations of a new research field that measures how and why people react emotionally to food.

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First Class: Virginia Tech Carilion graduates 40 doctors

Virginia Tech Carilion School of Medicine's newest alumni consider their time as the school's inaugural class, evaluate its innovative problem-based curriculum, and explain how *Ut Prosim* (That I May Serve) applies to doctors.

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From Romance to Robots, Virginia Tech Firsts

The university awarded its first Ph.D. in 1942. Our first Olympian competed in racewalking. And the first commencement exercises included exactly zero graduates—and lasted four days. Virginia Tech is steeped in tradition, but what were the "firsts" that paved the way for what we hold dear?

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Power Couple: Kirk and Noel Schulz shine at K-State

Kirk Schulz was appointed Kansas State University president in 2009, while his wife, Noel, a professor and associate dean for research and graduate programs, served as president of the Institute of Electrical and Electronics Engineers' Power and Energy Society.

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On the cover: On June 11, 1960, Patricia "Pat" (Porter) Newbern (foods and nutrition '60, M.S. '61) and Julian E. "J.E." Newbern (aerospace engineering '54) were the first couple to be married in the newly opened War Memorial Chapel. Because they never heard back from their photographer after the wedding, we recreated the scene in early June—complete with a surprise "Bridal Chorus" on the piano when the Newberns first entered the chapel. For the full story on firsts in Virginia Tech history, see page 18. Photo by Jim Stroup.

Virginia Tech's Century

by TIMOTHY D. SANDS



LOGAN WALLACE

As we embark together on the next leg of Virginia Tech's journey, I'd like to take a moment to reflect on the path we have followed and to offer a perspective on the road ahead. I'd also like to thank all of you for welcoming Laura and me so warmly into the Hokie Nation.

I sincerely believe that this is Virginia Tech's century. The university is one of a handful of public institutions that balances the land-grant mission with a 21st-century portfolio of academic disciplines, featuring a strong core in science, engineering, agriculture, and technology, complemented

by excellence in the humanities, arts, and social sciences, along with selected professional programs.

Combining this balance with collaboration across the disciplines further distinguishes Virginia Tech. There has never been a time in the history of American higher education when the interplay among the traditional disciplines has been more important to student success, the research mission, and our engagement imperative. Under President Charles W. Steger's leadership, Virginia Tech has taken great steps toward weaving this fabric of collaboration. Consider the research institutes, which place the university at the frontier of knowledge and engagement.

If I were given the opportunity to design an institution for the coming century, it would look much like Virginia Tech. The credit for positioning Tech so well for the future rests with our hardworking university community and its visionary leadership over the generations.

I could have arrived at the analysis above without ever meeting a Hokie. If I had stopped there, however, I would have missed the most distinctive characteristic of Virginia Tech and its people: The motto, *Ut Prosim* (That I May Serve), is embodied in every Hokie we have met.

In 1896, when the motto was adopted, *Ut Prosim* reflected the Corps of Cadets' commitment to keep this nation secure. While the corps's service remains central to the motto's fulfillment, the scope of the mission has evolved. The commitment is now a call to serve humanity—from everyday interactions with individuals to service on a global scale.

While we demonstrate our commitment to service, the primary function of Virginia Tech is to prepare all Hokies to serve at the highest level of their potential, raising their aspirations and lowering barriers as they develop the skills and attain the knowledge necessary to make a positive impact on the human condition.

A commitment to serve acts as a strong filter on who joins our community and how they make decisions about the trajectories of their lives and their careers. You might think that many universities could claim the same, but this commitment is truly a transcendent characteristic of Virginia Tech and its people. It impacts our research portfolio, the university's connection to our alumni, and our ability to attract talented students, faculty, and staff.

Of course, Virginia Tech must continue to strive to be better still. I ask that together we make commitments to fostering inclusive excellence; to enhancing the value of a Virginia Tech education; to continuing the drive to establish the university among the nation's leading research universities; to competing nationally and globally to attract and retain talent; to translating our discoveries into impactful products, services, and policies; and to leveraging Virginia Tech's presences, from the main campus in Blacksburg to a growing footprint in the National Capital Region, to Extension offices and facilities in every county in the commonwealth, and to our facilities and programs overseas.

While it is clear that many daunting challenges lie ahead, I am convinced that there is absolutely no better platform than Virginia Tech from which to make a permanent and transformative impact on humanity. Let's go, Hokies! □

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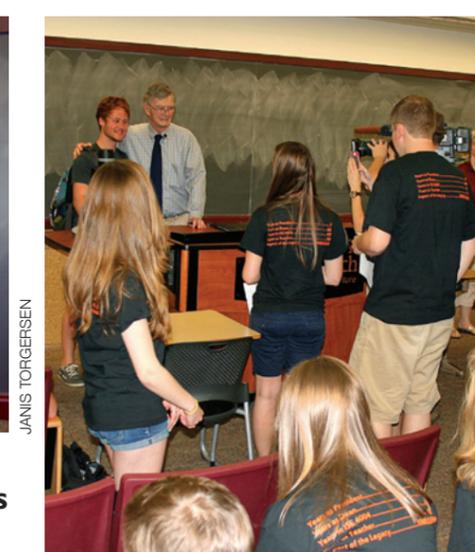
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Our choice of environmentally friendly inks keeps toxins, such as heavy metals, nonrenewable oils, and hydrocarbons, out of the environment.

Clarification: During 10 seasons with St. Louis, Jacksonville, and Cleveland, Nick Sorensen (business and marketing management '00) played in 131 NFL games. A story in the spring edition said he had played "several" seasons in the NFL.



JANIS TORGENSEN

Former president and dean teaches his last class

Seven years as Virginia Tech president. Twenty years as College of Engineering dean. Forty-seven years in ISE 4004. Fifty-six years as a teacher.

So said the T-shirts worn by students in Paul Torgersen's Theory of Organization class (ISE 4004) in early May—his last day at the front of a Virginia Tech classroom. The students honored the John W. Hancock Jr. Chair in Engineering and president emeritus with a standing ovation before forming a line to get his autograph.

Torgersen joined the Department of Industrial Engineering in 1967, was named the engineering dean three years later, and served as president from 1994-2000. All the while, he continued to teach, leading at least one class each semester.

New baccalaureate degree programs envisioned

Underscoring the university's commitment to undergraduate education in the science, technology, engineering, mathematics, and health fields (STEM-H), the Virginia Tech Board of Visitors approved three new interdisciplinary STEM-H bachelor's degree programs.

The degrees in microbiology, nanoscience, and computational modeling and data analytics—each to be administered in the College of Science—will prepare students for interdisciplinary research and education, for employment in the private sector or in state and federal government agencies, and for post-baccalaureate training.

Pending approval from the State Council of Higher Education for Virginia, the new degree programs, which are unique to Virginia, will position Virginia Tech as a national and international leader in these critical, emerging fields.



FLORIDA STATE UNIVERSITY

Elizabeth Spiller

New dean of the College of Liberal Arts and Human Sciences named

Elizabeth Spiller, associate dean of the College of Arts and Sciences at Florida State University, has been named dean of Virginia Tech's College of Liberal Arts and Human Sciences. She began her new position on July 1.

A highly respected scholar and strong academic leader, Spiller possesses "a unique disciplinary background which she leverages in a very positive way in service of vision, innovation, and collaboration," said Senior Vice President and Provost Mark McNamee in making the announcement.

Spiller, who has published widely on the history of science in the Renaissance, has been recognized with major fellowships from the National Endowment for the Humanities, the Andrew W. Mellon Foundation, and the Fulbright Foundation. She received a Ph.D. in English and American literature and language from Harvard University.

Pamplin dean charts new course for the college

In December 2012, when Robert Sumichrast returned to Virginia Tech after a decade-long absence to interview for the dean's position in the Pamplin College of Business, he was immediately struck by how much physical change had occurred on campus—and how little of it had taken place in Pamplin Hall.

Realizing not only that Pamplin needed more resources, but also that a cultural shift was in order, Sumichrast has initiated a steady course of change since taking the helm in July 2013.

"In formal meetings and informal chats, I have gotten great ideas on how to move forward," Sumichrast said. "You can't apply every good idea, of course, but people will stop giving you their ideas if they don't see any action."

At Pamplin for nearly 20 years before leaving in 2003 to lead Louisiana State University's E.J. Ourso College of Business and then the University of Georgia's Terry College of Business, Sumichrast learned firsthand "the need to develop a mission for your business school that is distinctive and that defines a space where you can be one of the very best."

To that end, Sumichrast's initial moves at Virginia Tech



JIM STROUP

Building scientific synergy

In a new \$53.7 million building at the intersection of Duck Pond Drive and Washington Street, researchers and students from the College of Agriculture and Life Sciences' various departments are working together on critical issues in agriculture, food security, human health, and climate change.

The Human and Agricultural Biosciences Building I—the first of four planned for the university's Biosciences Precinct—encourages synergistic relationships that allow the college to expand its scientific reach to advance research, academic, and Extension efforts.

"The research activities and discoveries made in the new building will become the cornerstone of programs that will directly benefit the citizens of the commonwealth and the agriculture, food, and health industries," said Alan Grant, dean of the college. "The work that is happening in the new building will bring the promise of a healthy planet, healthy food, and healthy people."

Meet some of the scientists working in the new building in a video at www.vtmag.vt.edu.

included suspending admissions to the full-time M.B.A. program—in order to focus resources on part-time M.B.A. formats and the highly ranked master of information technology program—and investigating the market for an executive doctorate program.

"I felt that Pamplin needed to become more focused," Sumichrast said. "We have made

changes so that we can invest in those programs that can become among the best in the country, while eliminating or suspending those that currently did not have that potential."

Learn more about Sumichrast in Pamplin's spring 2014 magazine, Virginia Tech Business, at www.magazine.pamplin.vt.edu/spring14/meet-dean-sumichrast.html.



Before the Roanoke-Blacksburg Technology Council's TechNite Awards Banquet, attendees (right) interacted with business concepts in order to select the People's Choice Award. At the after-party, banquet-goers filled the Science Museum of Western Virginia (left). Photos courtesy of Richard Boyd, Boyd Photography.



Hokies shine at Technology Council awards banquet

Every one of the award winners announced at the Roanoke-Blacksburg Technology Council's (RBTC) 15th annual TechNite banquet on May 9 has ties to Virginia Tech.

The nonprofit association of businesses and organizations is a driving force for the growth and success of the region's tech sector, as are these individuals with links to Tech:

Rising Star Award: Software engineering firm Mindsense, founded by Alexander Obenauer (computer science '12) and Josh Milas (biological sciences '11), launched Mail Pilot, which in a matter of hours was ranked as the No. 1 paid app in the Mac App Store.

Innovator Award: Bob Summers (computer engineering '98), "chief geek" at Fitnet, a mobile fitness app, is involved in a number of key groups in the region that benefit local entrepreneurs.

Entrepreneur Award: Michael Rihani (business information technology '08) is co-founder and CEO of Koofers, an online platform that allows college students to share course information. The company, which Rihani founded with several Tech alumni, has grown its user base from 10,000 students in Blacksburg to more than 1 million students nationwide.

Regional Leader Award: John "Jack" Lesko (M.S. materials science and engineering '91, Ph.D. engineering mechanics '95) is the associate dean for research and graduate studies in the College of Engineering. Lesko serves as a co-principal investigator for DC Innovation Corps, a training program for entrepreneurs.

People's Choice Award: The three founders of VirtualU—former students Caroline Pugh, Louis Cirillo, and Nick Gagianas (marketing '12)—launched VFit, an integrated system that creates 3-D models of users' bodies for quantifying and tracking fitness goals over time.

Educator Award: Sarah Gerrol (secondary education technology '02, M.A. curriculum and instruction '03), a teacher in Salem, Virginia, leads her students in robotics competitions and other STEM-related activities.

Educator Award: Brian Dye, a teacher in Radford, Virginia, is implementing an Android-based tablet system to deliver curriculum content. Dye was formerly the technology coordinator for the Training and Technical Assistance Center, a Virginia Department of Education office housed within Virginia Tech's College of Liberal Arts and Human Sciences.

RUBY Award: Through RBTC, VT KnowledgeWorks, Virginia Tech Intellectual Properties, and more, Ken Ferris (electrical engineering '70) has long been active in assisting the region's technology companies. He was a part of three tech startups, each of which was sold to a publicly traded company.

Technology Hall of Fame inductee: Ray Pethel is the former director of the Transportation Policy Group at the Virginia Tech Transportation Institute and former commissioner of the Virginia Department of Transportation.

Technology Hall of Fame inductee: TechLab cofounder Tracy Wilkins is internationally recognized for his research on intestinal diseases and disorders and his innovative work developing diagnostic tests for these diseases. The former J.B. Stroobants Professor of Biotechnology at Virginia Tech played a leading role in the design and construction of two of Tech's premier life-science facilities: the Fralin Biotechnology Center, now the Fralin Life Science Institute, and the Virginia Bioinformatics Institute. Wilkins, a founding member of the board of the Virginia Tech Corporate Research Center, has made significant contributions to society as a scientist, educator, entrepreneur, and philanthropist.



Timothy Duffy

Study of old-growth Iranian forest helps forest management

Often overlooked in examinations of a forest's vitality, dead wood, such as old stumps and logs, provides habitat for wildlife and a sheltered environment for young seedlings, holds soil and moisture on site, and stores carbon, according to Carolyn Copenheaver, associate professor of forest ecology in the College of Natural Resources and Environment.

As a result, woody debris management is important in conservation efforts, but baseline measurements of relatively undisturbed, mature forests have yet to be undertaken in some parts of the world. Now, new research from old-growth forests in Iran is helping to establish the significance of dead wood.

In the University of Tehran's Kheyrod Experimental Forest, a team of researchers recorded diameter, height, and species of living trees; measured coarse woody debris, including snags, logs, and stumps; and noted the degree of decay. The study determined that "almost 40 percent of the total volume of dead wood was fine woody debris, a size class that has received little attention," Copenheaver said, but which is important to predicting fire behavior.

The team's research appears in the July 2013 issue of *Natural Areas Journal*.



Cassidy Dawn Grubbs

Undergraduate man and woman of year

The university's most prestigious nonacademic undergraduate honor, the Virginia Tech Undergraduate Man and Woman of the Year awards recognize two graduating students who achieved excellence in academics, leadership, and service.

Receiving this year's awards are Timothy Duffy, of Andover, Massachusetts, a senior double majoring in finance and accounting in the Pamplin College of Business, and Cassidy Dawn Grubbs, of Powhatan, Virginia, a senior majoring in English in the College of Liberal Arts and Human Sciences.

The recipients of the annual awards, now in their 62nd year, are selected by a committee of students, faculty, and administrators.



Virginia Tech Daily

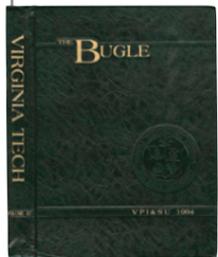
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The Bugle honored for third consecutive year

The 2013 edition of *The Bugle*, Virginia Tech's yearbook since 1895, earned a Silver Crown from the Columbia Scholastic Press Association, an international student press association formed in 1925 to unite student journalists through conferences, idea exchanges, and awards programs.

Announced at a ceremony in May, the honor marks the third consecutive year that *The Bugle* has received a Crown award: The yearbook won a Gold Crown in 2012, and a Silver Crown in 2011. Yearbooks in the competition are judged on writing, editing, design, content, art, and photography.



Caroline Doss, of Salem, Virginia, a senior majoring in visual communication design in the College of Architecture and Urban Studies, has served as the yearbook's editor for four years. During her tenure, *The Bugle* has earned a place in the national ranks every year, making Doss the publication's most-decorated editor.

Not only has Doss created a compelling yearbook year after year, she has essentially run a small business. In addition to creating content, she coordinated portraits, managed a staff of nine, worked with vendors to create the book, and led a marketing and sales push to get the yearbook to students.

One of just seven yearbooks nationally to earn a 2013 Gold or Silver Crown award, *The Bugle* is a student-run division of the Educational Media Company at Virginia Tech Inc., which manages the university's student media outlets on campus, including the *Collegiate Times* and *WUVT 90.7 FM*.

To order copies of *The Bugle*, go to www.bugleonline.com.

Hankering to browse those old yearbooks? See the digitized versions at <http://spec.lib.vt.edu/archives/bugle/>.



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MICHAEL KIERNAN

Pursuing historic status for a campus landmark

by MASON ADAMS

A centerpiece of Virginia Tech history is on track for state and national recognition.

Lane Hall housed about 130 students until 1967, when it was converted to academic offices. Cadets still honor Lane Hall by standing retreat while the U.S. flag is lowered each evening in front of the building.

“Essentially, Lane Hall remains the heart and center and focal point of the university’s corps tradition,” said Hugh Latimer, campus planning architect.

Now, Virginia Tech is seeking inclusion of Lane Hall on the National Registry of Historic Sites and Virginia Landmarks Register. The move comes as part of the broader redesign of the Upper Quad, which also includes replacing Brodie and Rasche halls with state-of-the-art residence halls.

Once Lane Hall is listed on the state and national registries, it will be used only for low-impact administrative work to ensure that the building is preserved.

“Lane Hall is of unquestionable importance, reflecting the university’s earliest history and the corps’ proud traditions. So, too, are the program needs of the modern corps critically important, and the case for new facilities is compelling,” said Kathleen Kilpatrick, director of Virginia’s Department of Historic Resources, during a 2013 tour of the Upper Quad. “Saving Lane and recognizing it on the Virginia State Landmarks Register and the National Register of Historic Places strikes a good balance and demonstrates Vir-

ginia Tech’s commitment to honoring its history and buildings of enduring value while moving forward,” she said.

Lane Hall, which now houses administrative offices for the College of Liberal Arts and Human Sciences, will be returned to the corps as part of securing historic status.

Lane Hall’s structure and architecture lend it added importance from a historical standpoint. Latimer said Lane Hall is a “rather odd building” formed from five townhouses that weren’t originally connected. The silo structure allowed upperclassmen to isolate and haze first-year students, or “rats,” and supervise them by running along the roofs of the canopies between each section.

Consultants spent recent months conducting a physical survey of Lane Hall. The survey involved photography, examination of floor plans, and a written evaluation of the building’s systems and infrastructure.

Virginia Tech planned to submit the documentation in June for both the state and the federal applications for historic status. While it’s unclear when those applications may be processed, the listings will serve as a foundation for the future of a building that was important to Virginia Tech’s development.

“For Lane Hall, [historic status conveys] the recognition it deserves, and it will be positive publicity and recognition,” Latimer said.

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Trailblazers

Black alumni
from '60s
and '70s
recount their
experiences

by MASON ADAMS



(Clockwise from upper left) La Verne "Freddie" Higgins, Linda Turner '70, James Watkins '71, and Calvin Jamison '77



The Civil Rights Act of 1964 not only banned discrimination based on race, color, religion, sex, or national origin, but helped open the doors of Virginia Tech to a more diverse student population.

Commemorating the landmark legislation's 50th anniversary as part of Virginia Tech's Black Alumni Reunion weekend in March, a webinar broadcast from the North End Center featured four of Virginia Tech's first black students, who spoke about their experiences integrating the university in the late '60s and early '70s. Their stories were by turn frustrating, humorous, emotional, and ultimately inspiring.

Linda (Edmonds) Turner (clothing, textiles, and related arts '70, M.B.A. '76, Ph.D. general business '79), James Watkins (biology '71), and La Verne "Freddie" (Hairston) Higgins were among the first black students to attend Tech, while Calvin Jamison (health and physical education '77, M.A.Ed. student personnel services '81, C.A.G.D. '86, Ed.D. '88) attended during a time when the university was actively working to increase student diversity.

The first black student to attend Tech was electrical engineering major Irving Peddrew III in 1953. The first black graduate was Charlie L. Yates (mechanical engineering '58), and the first black female graduate was Linda Adams Hoyle (statistics '68). Watkins, Turner, and Higgins all arrived at Tech in the late '60s, when there were still only a few dozen black students on campus—and that included exchange students from Africa.

Turner and Higgins also carried the distinction of being among the first women students at Tech. Higgins recalled that when she arrived there were about 350 female students, 42 black students (including those from Africa), and only six black female students.

"It was really difficult being not just black but female," Higgins said. "The institution was not prepared to deal with us."

As they were often the only black student in a given class, they frequently drew unabashed stares from their classmates. Watkins remembered sitting at a cafeteria table with white students, only to watch

them get up and move. His freshman year, the only two black students paired with white roommates in the dorms saw the white students move to different rooms.

Athletic events added to the challenges: Games at Cassell Coliseum were accompanied by displays of Confederate flags and the singing of "Dixie," which at the time served as an unofficial fight song.

Turner described a pep rally during which students marching around campus set a representation of the letters "VT" ablaze. The "V" fell off, leaving a fiery "T" that struck Turner as looking like a cross. Even though unintended, the image triggered a visceral reaction in Turner. "I didn't go to another pep rally," she said. "People didn't understand why 'Dixie' and those things could be upsetting."

Another flashpoint was the student response to the assassination of Martin Luther King Jr. in the spring of 1968. Watkins said he was amazed by how many Tech students attended a memorial in support of the fallen civil rights leader—"the Drillfield was packed"—but that feeling



History recalled:

To read the transcripts from oral-history interviews with several alumni in this story, visit www.vtmag.vt.edu.

turned to shock when a small scuffle ensued between dueling groups of students over whether to position the American flag at half- or full-staff.

Watkins said those situations resulted in his black dormmates making a pact their freshman year to transfer out of Tech—but by graduation, most had stayed and didn't want to leave.

How did they make it through? By finding mentors, support groups, and each other.

For Watkins, the formation of Tech's first black fraternity, Groove Phi Groove, made all the difference. The group provided him with a community of support and an outlet for social gatherings that included black students at nearby Radford University.

"You have this bond with people," said Watkins, who became the first black president of the Virginia Dental Board in 1992 and is a general practice dentist in Hampton, Virginia. "You have something that makes it feel like you were wanted, and that was a very positive experience having the relationships that Groove Phi Groove provided."

Turner, meanwhile, developed relationships with mentors. Jean Harper, then-dean of

Tech's College of Home Economics, hired Turner for office work, put her in contact with the university's movers and shakers, and convinced Turner to come back to Tech to obtain her Ph.D. Turner went on to complete a post-doctoral fellowship at Harvard University and has served as vice president and chief marketing officer for Dean College, and president of the Urban College of Boston and Roxbury Community College, all in Massachusetts.

Higgins, who was Turner's roommate during freshman year, said she found support particularly through Tech United Ministries. There, she met like-minded activists, including her first husband. She now works as associate dean of the business college at Eastern Michigan University.

Higgins didn't shy away from making her voice heard during those politically turbulent years of the late '60s. With a white student, she co-wrote a feature, "Back Talk," for the campus newspaper. In the column, the two debated issues such as the Vietnam War, labor unions, and mixed-race dating. The events of 1968, however, exhausted her. She soon left Tech and moved to Minnesota.

"I was really tired of fighting that battle in the South," Higgins said. "I felt like I had done my part and needed to relax to keep my sanity."

Jamison said that when he arrived after the first wave of black students, Tech was home to a relatively small black population. In one class of 350 students, Jamison was the only African American. When he missed a class because of a death in the family, the professor noticed and singled him out. Jamison used the incident as an opportunity.

"From that day on, when I went to a class, I went to the front row and met the teacher," Jamison said. "I encouraged all the students I [later] worked with to do the same thing. This approach was very beneficial to them in enhancing their educational experience. ... My approach is simple: 'It is an opportunity. Make the best of it.'"

Jamison joined Groove Phi Groove as an undergraduate, and later became president of the Human Relations Council (now the Black Student Alliance). When he graduated, he was hired as assistant director of admissions and was instrumental in increasing black student enrollment. In 1986, he became the first black assistant to the Virginia Tech president before going on to become city manager of Richmond, Virginia.

"[Former Virginia Tech] President William Lavery made a commitment to address our lack of diversity," said Jamison, now the vice president for administration at the University of Texas at Dallas. "Prior to our aggressive efforts, there was very little to do in Blacksburg, [but] going from three to 14 black student organizations changed the culture on campus."

Today, the university continues to strive for diversification. In 1975, 275 students, or 1.4 percent of the student body, identified as black or African American. By the 2013-14 academic year, those figures had risen to 1,197 students, or 3.8 percent. □



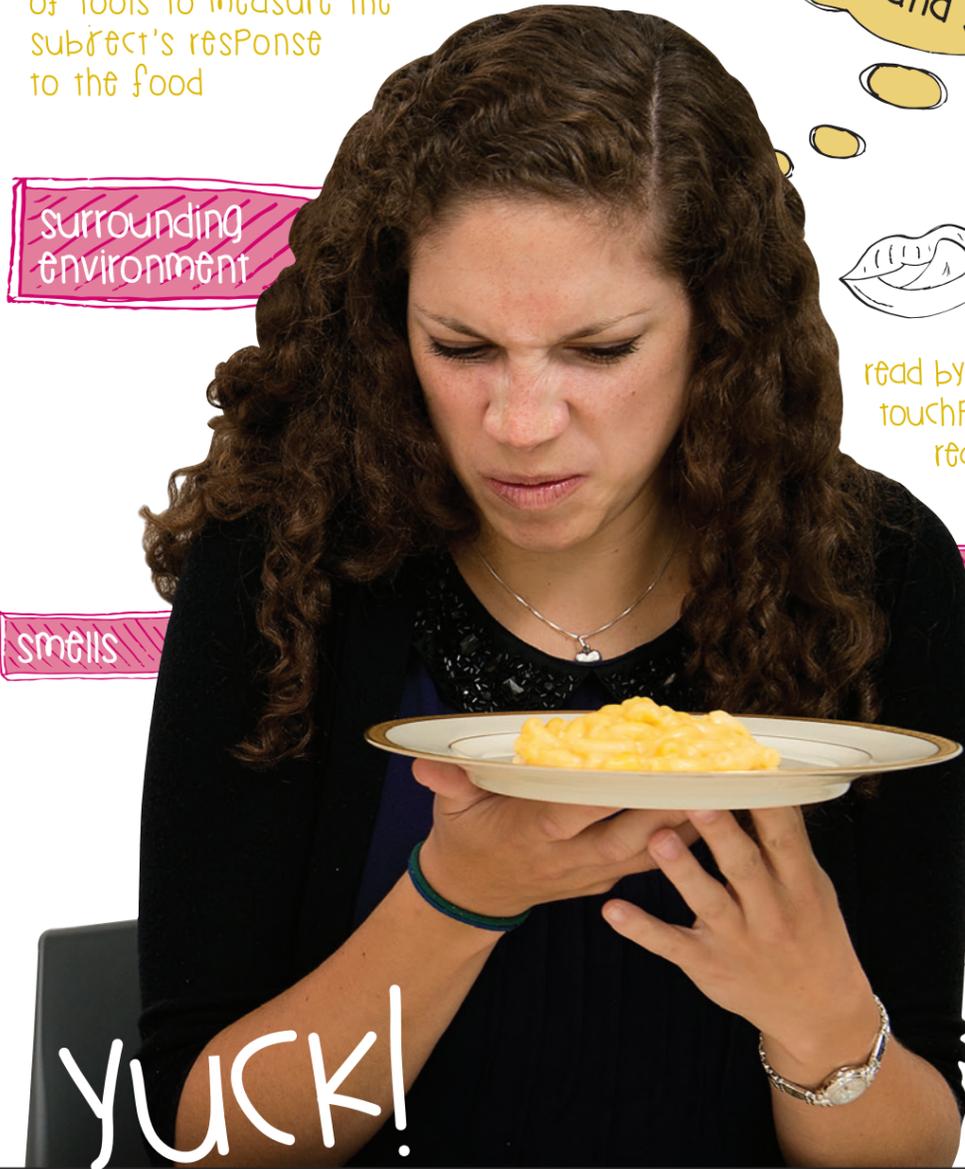
Members of Groove Phi Groove in 1969

1) **sensory and emotional data:** the subject processes food in a number of ways, all of which are integrated to produce an emotional response

2) **physiological data:** an investigator uses a variety of tools to measure the subject's response to the food

past history and experiences

self-reporting about what she is thinking and feeling



sees

surrounding environment

heart activity, measured by electrocardiography technology

brain activity, measured by electrodes that detect electroencephalography on the scalp

facial expressions such as lip-licking or furrowing the brow, read by software using a grid of touchpoints to determine the reaction

tastes

touches

skin changes such as sweating and blushing, measured by fingertip sensors

Amid their pursuit of master's degrees in food science and technology, Alexandra Walsh (left) and Kristen Leitch '12 paused for some macaroni and cheese... to mixed results. Both are conducting research in the area of food and emotions.

Feeling Food

by MASON ADAMS
photo by LOGAN WALLACE

The appreciation of food is a universal trait. Food's role in social gatherings, bonding experiences, and survival guarantees that what we eat occupies a central place in the human experience. Understanding how we react, positively or negatively, to different kinds of food is key to fields from marketing to public safety.

Virginia Tech researchers are using tools from a multitude of disciplines to better understand how and why people react emotionally to food. Susan Duncan, a professor in the Department of Food Science and Technology in the College of Agriculture and Life Sciences, conducts studies that use both physiology and interviews to examine volunteers' responses to food scenarios.

Duncan has a variety of tools at her disposal that, though innovative, are still crude for interpreting the complex tangle of elements that factor into emotions and food. Past experiences, personal taste, and mood at the moment drastically affect the way we feel about food. Take, for example, two individuals who are physically similar and come from the

same socio-economic background. They may still respond in dramatically different ways to sushi because one first tasted it at a childhood birthday celebration, while the other got food-poisoning at a sushi restaurant around the same age. "It's that black box of what's going on from a physiological standpoint, how the brain takes in all those signals—smell, how food

looks, mixed with past experiences—all that gets jumbled together, and your body responds in a certain way," Duncan said. She acknowledges that her work marks the launch of what could be a career obsession. Duncan hopes her research will help build the foundation for a broader field of study mapping the link between emotions and food. □

Audio bites:

Meet Duncan in her lab in a video on the new Human and Agricultural Biosciences Building I at www.vtmag.vt.edu.

Elizabeth Struthers Malbon First-Century Relevance Today

by JEAN ELLIOTT
photo by LOGAN WALLACE

Elizabeth Struthers Malbon, professor of religion and culture in the College of Liberal Arts and Human Sciences, received Virginia Tech's 2014 William E. Wine Award and 2014 Alumni Award for Excellence in Research. Internationally recognized for her literary studies of the Gospel of Mark, Malbon teaches courses on early Christian literature, especially the New Testament, Jesus and the Gospels, and Paul and his interpreters.

How do you make the study of 2,000-year-old documents relevant to 21st-century students?

Most of my students are already convinced of the relevance of the New Testament in the contemporary world. My challenge is to help them discover the relevance of these 27 books in their contexts of origin in the Mediterranean world of the first

and second centuries. By encouraging appreciation of the contexts and varying genres of this rich collection, I seek to make the familiar strange and the strange familiar. That is, I try to add another level of historical and literary complexity (the strange) to the readings students bring to the texts (the familiar).

You have said your greatest satisfaction as a teacher is "seeing the light bulb turn on" for your students. Can you provide an example?

Recently, in my New Testament survey course, I was showing images of paintings of various stories in the Gospel of Luke. In our analysis of the details of the paintings we were considering what each painter was trying to communicate to his viewers in his own time and place. A student excitedly raised—no, waved—her hand and said something like this: "Aren't the Gospels like these paintings? Different images of the story of Jesus created for different audiences by different authors? Seeing the paintings makes it all come clear to me."

You won an award from the Society of Biblical Literature for your mentoring of undergraduates and women faculty. What makes this field challenging to women?

It is difficult to think of a field that is not challenging to women—still. Certainly colleges and universities still congregate

women faculty in the lower ranks while men faculty continue to dominate the upper levels. The academic study of religion and of the Bible is no different. I consider mentoring a privilege and a responsibility of longevity, and it has been especially rewarding to see my mentees become mentors.

Can you explain your comparison of the study of the Gospel of Mark to the study of folklore?

The Gospel of Mark shares several important realities with folklore. First, the Gospel came to life within a world of listeners, not a world of readers; it was written to be read aloud, or actually performed, for an audience that was largely illiterate. Second, the Gospel and folklore, both existed for the folk, for the non-elites of society. Third, the Gospel, like folktales, is a narrative, a story, with characters and settings and actions; paying attention to its unfolding as a story reveals its significance best. Fourth, like folklore, the Gospel of Mark was adapted to keep traditions alive and relevant to its community. Thus, there is the fifth similarity: The Gospel, like folklore, gives us two views at the same time: a view of the traditions it passes on from the past and a view of the interests and concerns of the author and audience who are passing those traditions on to the next generation. □

Jean Elliott is the College of Liberal Arts and Human Sciences' communications director.

Elizabeth Struthers Malbon, a professor in the Department of Religion and Culture, holds a glass ornament from Bethlehem, a souvenir from her travels.



Donald Orth Gone Fishin'

by LYNN DAVIS
photo by LOGAN WALLACE



Donald Orth, a professor in the Department of Fish and Wildlife Conservation, holds a model of a mahi mahi.

Donald Orth, the Thomas H. Jones Professor in the Department of Fish and Wildlife Conservation in the College of Natural Resources and Environment, has received a string of awards in recent months: the William E. Wine Award, which admits him into the university's Academy of Teaching Excellence; the Diggs Teaching Scholars Award from Tech's Center for Instructional Development and Educational Research (CIDER); the university's Certificate of Teaching Excellence, awarded to a faculty member in each college; CIDER's Teacher of the Week Award; and Tech's Exemplary Program Award for his first-year experience class.

Why do you study fish?

Fish have fascinated me since I was a kid. I am naturally curious, and fish gave me further motivation to explore life in the underwater world. Fish are at the nexus of human uses of our aquatic ecosystems for food, water, energy, industry, and climate stabilization. And if fish are at the nexus, so am I.

Why do you teach first-year students?

I believe that the first four to six weeks on campus are critical for students as they adjust to college and campus life. As an instructor of first-year students, I place more attention on discovering each student's dreams, aspirations, and challenges and helping facilitate their initial transition. My selfish motive is to witness their accomplishments years later and believe that I had a small part in their personal success.

What do students gain by learning to draw, photograph, and write about fish?

While the value of memorizing terminology and studying preserved specimens cannot be discounted in my Ichthyology class, I use the study of fishes to encourage a holistic education. What employers are telling us is they need students with writing, communication, teamwork, and problem-solving skills. Every fish can provide an important lesson in physics, chemistry, economics, mathematics, ethics, and art. Drawing, photographing, and writing are scientific skills of observation. Because many analytical tasks utilize computer databases, these learning activities tap the creative sides of my students' brains.

In what ways do fish act like "canaries in the coal mine"?

Fish serve as sentinels, warning of hazards in the aquatic environment. Almost all fishes in North America extract oxygen through their gill tissues. Fish gills rapidly develop lesions when exposed to acidic water, heavy metals, pesticides, and suspended sediments. When gill or other damage is noted, follow-up water quality and source-tracking studies can be instituted in a timely fashion. Similarly, the egg and larval stages of fish are more sensitive to contaminants.

What is the purpose of higher education?

Truth, beauty, and goodness! These virtues from Plato and Socrates are represented at Virginia Tech. Science, engineering, and mathematics have expanded society's ability to discover new truths and contrast them with traditional forms of knowledge. Any thoughtful and reasonable human must be able to appreciate the beauty in everyday experiences of art and design and nature. Virginia Tech's aspirations for student learning

provide reminders of the values—civility, self-awareness, integrity, and *Ut Prosim* (That I May Serve)—that lead to a good and just world.

Do you have a favorite fish story?

Fishing is a holistic experience. A memorable fishing trip provides, perhaps, a chance to test a favorite hunch about what makes fish feed (truth), the experience of quiet and contemplative nature (beauty), and appreciation of friends or family in a place protected from excessive pollution (goodness). The simple thought that my scholarship plays some role in that experience inspires me every day. My favorite stories are about my students becoming effective advocates for application of good science to protect or restore fish and fishing. □

Lynn Davis is the College of Natural Resources and Environment's communications director.



First Class

Virginia Tech Carilion's first 40 doctors graduate

by MASON ADAMS

Forty medical students made history in May as the first graduating class at the Virginia Tech Carilion School of Medicine (VTC). Based on their experiences over four years at the school in Roanoke, they'll make talented doctors, too. Instead of long lectures in voluminous lecture halls, the school uses small class sizes and "problem-based" learning to produce graduates who can quickly adapt to new technology and ideas at the forefront of modern medicine.

"Succeeding at a new school demands bright, entrepreneurial students—confident self-starters," said Dr. Cynda Johnson, founding dean of the school, at the graduation ceremony. "We needed their student perspective and active participation to develop and refine the cutting-edge curriculum that would make the Virginia Tech Carilion School of Medicine a premier medical school for the 21st century."

The ceremony marked a major milestone in the life of the school, opened in 2010. The school's approach, melding the basic science, life science, bioinformatics, and engineering strengths of Virginia Tech with the medical practice and medical education experience of Carilion Clinic, has garnered attention: Demand for the 42 student spots in each class has grown, from 1,650 applicants the first year to 3,553 for the fall's incoming class. Additionally, the school, complemented by the Virginia Tech Carilion Research Institute, has sparked a wealth of economic activity around its Roanoke location.

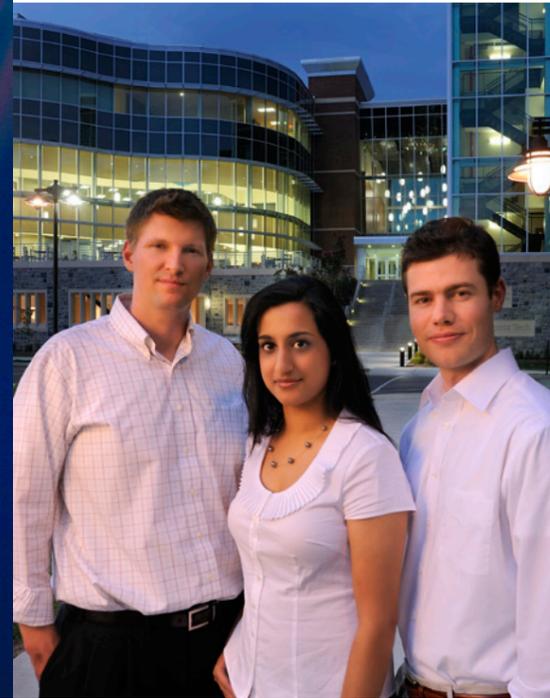
The medical school's biggest value, however, comes from its students. Every one of the 40 graduates was accepted into a residency program, and more than half were accepted to their first choice.

The three incoming first-year students profiled by Virginia Tech Magazine four years ago said this spring that VTC had prepared them well.

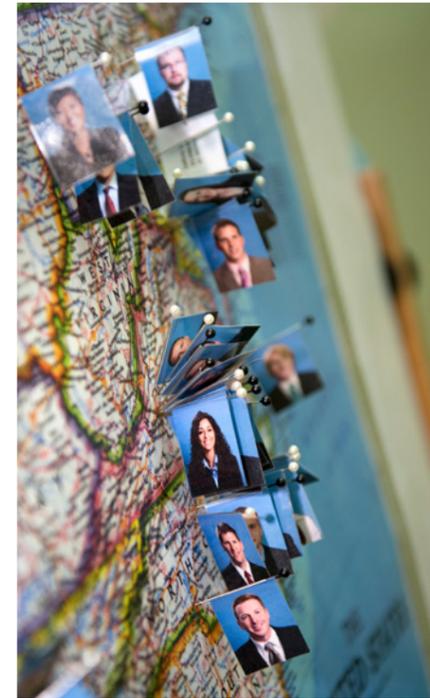
Credit their preparation both to the school's focus on research and to its innovative problem-based curriculum, which eschews a more traditional lecture format in favor of actual patient cases. Guided by faculty facilitators, student teams work through each case together while researching relevant topics. At the end of each case study, they participate in a private session with the physician and patient.

"[Problem-based learning] definitely challenges you to be more of a critical thinker as opposed to reading a textbook and knowing the facts," said Raeva Malik, who was accepted into a residency in internal medicine at George Washington University.

After two years, students move into a clinical setting at Roanoke Carilion Memorial Hospital, essentially assuming the roles of entry-level residents and applying the learning style to real cases.



Virginia Tech Carilion School of Medicine charter class members (left to right) Don Vile, Raeva Malik and Robert Brown in August 2010 (above), their first semester, and in May 2014 (left).



In the Match Day ceremony, members of the charter class learned where they would spend the next phase of their training.

Matched:

To watch a video on Match Day and 2012 interviews with three students, visit www.vtmag.vt.edu.

"Service is certainly a big part of medicine, and it's part of why I decided to go into medicine," said Vile, who plans to pursue a career in oncology after his internal medicine residency at Wake Forest University. I can think about several patients where I wanted to be there to help to the extent possible. I was driven to go above and beyond to meet the needs of these patients."

Vile was one of six class members elected to the Allopathic Medicines National Honor Society, which carries a motto from its founder, William Root, that is similar to Virginia Tech's: "Be Worthy to Serve the Suffering."

Brown, who was also elected to the honor society, cast his role as a doctor as one of service, not just to individuals but to society as a whole.

"I want to be there to help people to reach their full potential, whether that's being there for a grandchild's birthday or to paint the next masterpiece," Brown said. "We're here really to make a better community in service of performing our job."

That ethos was picked up by the entire class, Johnson said. For instance, students staffed Roanoke's Bradley Free Clinic every Thursday night. Faculty members served as the licensed attending physicians but second-, third-, and fourth-year students all participated, with upperclassmen helping to mentor the newer ones.

Now, with the inaugural class on its way, the medical school continues to evolve and prepare the next generations of physicians.

"This is a great starting place, but we're not finished," Johnson said. "We've set a culture we renew and refresh every day."

"We're doing better preparation for what it's actually like to practice medicine," said Robert Brown, who was accepted into a residency combining emergency medicine and internal medicine at the University of Maryland. "You need to identify where you're missing information, figure out how to find it, and how to incorporate that into the application."

Early results suggest that the curriculum has been effective: Every student in the inaugural class passed Step 1 of the U.S. medical licensing exam on the first attempt, and as a whole, the class scored significantly higher than the national mean score.

VTC's research component amplifies the "problem-based" learning style. Each student must complete a research project of publishable quality, giving him or her an opportunity to build knowledge of a real-world issue while working closely with Carilion physicians and Virginia Tech

researchers. Johnson said the requirement has produced unexpected benefits, helping to draw more physicians into a research frame of mind as they work with students.

Perhaps more importantly, the approach gives VTC students a head start in learning about doctor-patient relationships. In fact, Johnson refers to the curriculum not as "problem-based" but as "patient-centered."

"You're working through patient cases from the beginning of medical school," Malik said. "You're introduced to patient-doctor relationships early on, so when you start working in a hospital in the third and fourth years, you already have that foundation."

For Don Vile, who worked in software engineering before deciding his true passion was in medicine, the experience with patients was crucial, and it ties directly into Virginia Tech's motto of *Ut Prosim* (That I May Serve).

From Robots to Romance, **FIRSTS** in Virginia Tech History

by RICHARD LOVEGROVE



Here comes the bride: When the Newberns, the first couple married in War Memorial Chapel, returned for a visit in early June, a surprise rendition of “Bridal Chorus” (often called “Here Comes the Bride”) greeted them as they entered.

Unless otherwise noted, all photos are courtesy of Historical Photograph Collection, Special Collections, University Libraries, Virginia Tech.

It truly was a race to the altar.

Patricia “Pat” (Porter) Newbern (foods and nutrition ’60, M.S. ’61) and Julian E. “J.E.” Newbern (aerospace engineering ’54) decided they wanted to be the first couple married in the just-finished War Memorial Chapel, so they scheduled a wedding for June 5, 1960, seven days after the facility was dedicated. But fate intervened. “Unfortunately, J.E.’s father died and was buried that day,” said Pat.

Meanwhile, other couples had scheduled the chapel for the afternoon of June 11 and on June 12. “As soon as the funeral was over, we called and were told that we could be first if we got married at 11 a.m. on Saturday, June 11. So, we jumped at the opportunity,” Pat said. The Chesapeake, Virginia, residents have been together ever since.

The Newbern wedding, which was attended by 11 guests, ended up beating out two brides who were Pat Newbern’s classmates: Sandy Collier (clothing textiles and related arts ’60), Pat’s roommate who, along with hubby-to-be James “Jim” Jones (electrical engineering ’59) thought they had the chapel first on June 12; and Ann Haugh (general home economics ’60), who married Richard “Dick” Lehmann (animal science ’58, M.S. ’60) on the afternoon of June 11.

1800s



Student (1872)

Sixteen-year-old William Addison “Add” Caldwell and his older brother, Milton M. “Mic” Caldwell, walked as many as 28 miles across two mountains from their home near Sinking Creek in Craig County, Virginia, to Blacksburg, and Add became the first student to enroll in VAMC when the new school opened its doors on

Oct. 1, 1872. Add was nominated for a state scholarship that covered his tuition of \$30; his college fees of \$10; and, if he roomed in the Preston and Olin Building, his \$5 per-month rent for an unfurnished room.



Pranks (1872–1925)

Boredom was a constant during the early days of Virginia Agricultural and Mechanical College (VAMC), and to alleviate the tedium, cadets turned to a standby from ancient times—pranks. No one recorded the first prank, but one of the earliest was the magical transformation of President Charles L.C. Minor’s red cow into a white one. Other early standards included sending a roommate’s belongings home to his girlfriend or staging a fake duel. Sophomore Night, a later development, became a cadet “tradition” that culminated in 1925, when sophomore cadets took cows to the top floor of the barracks; placed a farm wagon, harrows, grain drill, skeleton, and horse-drawn hearse on the roofs of various barracks; took two steam rollers from a highway construction job and brought them to campus for a “bullfight” between two students; headed a grocery truck down a basement stairway; filled the barracks quadrangle with all manner of livestock; and hauled a fully assembled fire hose reel up a flag pole.

International student (1874–75)

The first international student at Virginia Tech—James Dunsmuir, of British Columbia, Canada—arrived early in the school’s existence. He went on to serve in the British Columbia legislative assembly and as a director of the Canadian Pacific Railway.

Curriculum (1872)

The first-year curriculum specified instruction in commercial arithmetic, bookkeeping, algebra (through equations of the first degree), English, geography and map drawing, descriptive astronomy, penmanship and free-hand drawing, physiology, hygiene, habits and manners, French or German, farm or shop practice, military tactics, and lectures on the sociological value of the agricultural and the mechanical arts.

Commencement (1873)

The exercises that marked the end of the first year lasted for four days—even though the ceremonies were devoid of actual graduates. The exercises began on Sunday, July 6, 1873, and included religious ceremonies, inspections, orations by students, and a review of the cadets. They ended the following Wednesday night, when Virginia Gov. Gilbert C. Walker delivered the commencement address. The first students—who received certificates, not degrees—didn’t graduate until Aug. 11, 1875.

Alumni Association (1875)

The Alumni Association was first organized Aug. 11, 1875, by the 12 members of the first graduating class.

Degree (1883)

VAMC’s first degree of any type was the bachelor of arts, presented to William J. Havener and Robert J. Noell.



Library books (1878)

During its early days, the Virginia Agricultural and Mechanical College “library,” which was nothing more than a space in a small chamber that doubled as an office, relied on the largesse of others for its books. The result in that first school year was a motley collection of state

agency documents and reports, 501 volumes in all, including 80 books from the Presbyterian Board of Richmond and 50 prayer books or hymnals from the City Mission Society of Richmond. The library was so useless for academic pursuits, said Lyle Kinnear, author of a book on Tech history entitled “The First 100 Years,” that “... most of the publications henceforth gathered Blacksburg dust instead of that of their point of origin.”

The first record of VAMC spending money for acquisitions wasn’t until 1878, when the school shelled out \$38.10 (the average annual library budget now is about \$8.8 million), according to “History of the Virginia Tech Library, 1872-1928,” by Ralph Minthorne Brown. And it wasn’t until 1903 that the university established what would be considered a true library and hired its first professional librarian, Mary G. Lacy. The first record of a major collection being donated to the library was in 1927 when Professor W.B. Alwood (above), a pioneer in Virginia horticulture and entomology who was considered the savior of the Virginia fruit industry, gave 4,000 books, pamphlets, and original manuscripts.

Alwood, in fact, was involved in a number of other firsts: He was the first professor and head of the Department of Horticulture, Mycology, and Entomology, and he documented a collection of plants that represented the first arboretum on campus. The large bur oak on the Drillfield next to the April 16 Memorial, now known as the Alwood Oak, is the only living member of that collection.

Baseball game (1877)

The first known baseball game against an off-campus opponent was in 1877, when VAMC beat Roanoke College 53-13. Organized baseball was not played regularly, however, until 1892.

Regimental commander (1895)

Woodson P. Waddy

Telephone (1898)

The first telephone to be used at Virginia Tech was installed in President John M. McBryde’s office. It was also the first telephone in Blacksburg.

Graduate study (1891)

President John M. McBryde introduced graduate study in 1891. The first master of science degree went to McBryde’s own son, Charles N. McBryde, in 1892. Later, Charles McBryde was one of the discoverers of a serum for the prevention of hog cholera that saved untold millions of dollars. John McBryde later was awarded the first honorary degree, a doctor of science, given in 1907.

Football team (1892)

The first football game at VAMC was really a rugby match played behind Lane Hall in fall 1891. Two teams were organized in September 1892, and Professor W.E. Anderson was the first captain, while Dean Ellison A. Smyth Jr. served as the first coach and manager. VAMC beat St. Albans Lutheran Boys School, 14-10, in its first official game on Oct. 21, 1892.



1900s

Hall of Fame (1899–1905)

C. Hunter Carpenter, who followed an agricultural engineering degree in 1902 with graduate studies, was the first Virginia Tech player elected to the College Football Hall of Fame. In the days when a student could play for more than four years, he played fullback on the 1899 and 1900 teams and halfback on the 1901, 1902, 1903, and 1905 teams. In 1904, he played for the University of North Carolina.



Black student (1953)

Not only was electrical engineering major Irving L. Peddrew III the first black student to enroll at Virginia Tech (in 1953), he was also the first black undergraduate student to be admitted to a historically white public school in the former Confederacy. The only black student on campus his freshman year, he was required to participate in the Corps of Cadets but had to live and eat off campus. Disillusioned by his experiences, Peddrew left at the end of his junior year and did not return.

Woman to receive Ph.D. (1953)

Betty Delores Stough became the first woman to earn a Ph.D. The degree was in parasitology.



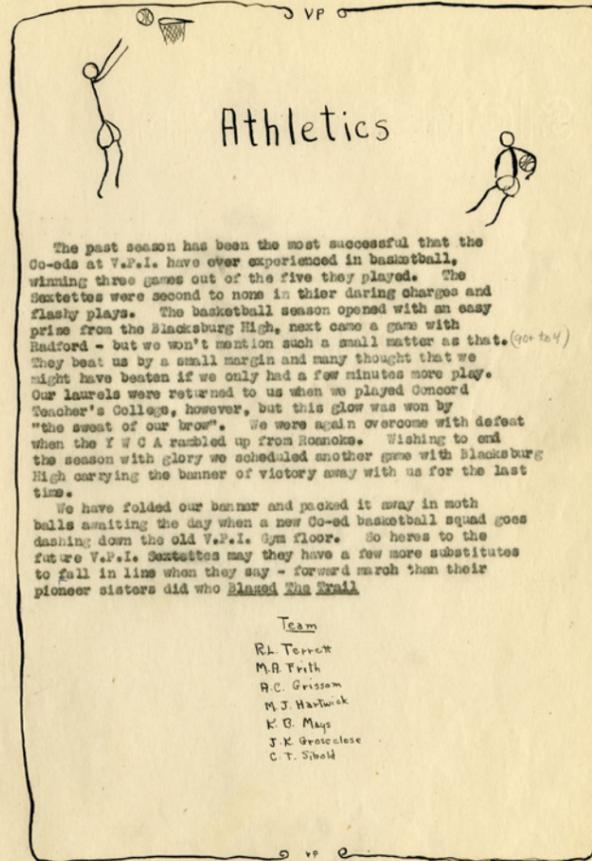
Medal of Honor (1896)

Antoine A.M. Gaujot, Class of 1901, was the first of

seven Hokies to receive the Medal of Honor. During the Battle of San Mateo in the Philippines in 1896, he tried under heavy enemy rifle fire to locate a ford in order to help his unit cross a swollen river to attack. Unable to accomplish this, he swam with a companion to the enemy side, where he secured an enemy canoe and returned it to the friendly side of the river. Interestingly, his brother, Julien E. Gaujot (above, receiving the medal from then-U.S. president William Taft), Class of 1894, became the second former VPI cadet to earn the medal. Julien had been heard to comment, "... I got to get me one of them things for myself if I bust," and he did—for lifesaving actions on the Mexican Border in 1914, the only time a soldier was ever awarded the medal for actions of a peacekeeping nature.

Women's basketball team (1923)

One of the first five women to enroll at Virginia Tech—Ruth Louise Terrett—formed a basketball team in 1923. The players called their team the "Sextettes" and later the "Turkey Hens." Writing in the 1929 Tin Horn (the yearbook the women put out in 1925, 1929, 1930, and 1931 because they weren't allowed in *The Bugle*), an anonymous "coed" speculated about how the women developed their athletic prowess: "'N' funny thing, seemed like the boys always needed fresh air as we came by. Up went the windows and down came the water as they seemed to be in their chief indoor sport. Along with the water came squeaky voices yelling and saying silly things to us. We became exceedingly alert and quick movers, in fact we became so efficient in dodging water that we decided to extend our athletic ability even further, and as a consequence of this we had a basketball team."



Touchdown in Miles Stadium (1926)

It's easy to find out the date of the first football game in a Hokie stadium or under a particular coach, but what about first touchdowns?

In the first game in Miles Stadium on Sept. 25, 1926, sportswriters paid a lot of attention to the "educated toe" of James Bushell "Scotty" McArthur for kicking extra points and two field goals, and they noted that the Virginia Tech "Pony Express" backfield ran all over Roanoke College, but nowhere do the accounts of the 47-0 romp tell who scored the first touchdown in the stadium. Noted one scribe, "Peake, Tomko, McEver, and McArthur repeatedly brought the crowd to its feet by their long gains and brilliant passes." We do know that Frank Woodfin Peake scored three TDs and Herbert Macauley McEver scored once. And then there was that educated toe.



Medal of Honor, Virginia native (1918)

Earle D. Gregory (electrical engineering '23), known as the "Sgt. York of Virginia," was the first native Virginian to receive the Medal of Honor. At Bois de Consenvoye, France, on Oct. 18, 1918, he single-handedly captured 22 German soldiers and two machine guns, saving countless American lives. The university's Gregory Guard precision drill team is named in his honor.

Women students (1921)

Mary E. Brumfield, Billie Kent Kabrich, Lucy Lee Lancaster, Carrie T. Sibold, and Ruth Louise Terrett (along with another seven part-time coeds) were the first women to enroll at Virginia Agricultural and Mechanical College and Polytechnic Institute.

Reactions to the development differed. The 1922 school yearbook, *The Bugle*, put it this way: "At VPI she has caused a wretched condition."

The newspaper *The Virginia Tech* greeted the women more warmly: "This year, for the first time in the history of the school, women are admitted to all courses of instruction, and the campus is now graced by the presence of ten [sic] co-eds." But after that, the newspaper basically ignored them.

Season tickets (1908)

The first football season tickets admitted holders to all home games and some in Roanoke.

Woman to receive degree (1923)

Mary Brumfield was the first woman to receive a degree.



Class ring (1912)

Fred K. Prosser designed the first Virginia Tech ring for the Class of 1911, one year after they had graduated. The ring included two eagles (which have been on the class ring design ever since) and a flat stone. It cost \$6 to \$8. Like many alumni to follow, Prosser lost his own ring.

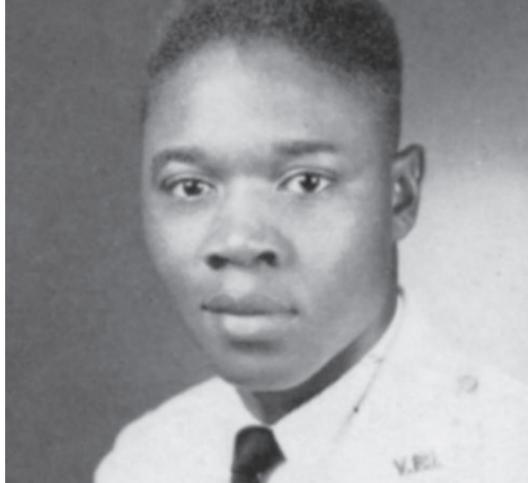
Ph.D. (1942)

The first Ph.D. at Virginia Tech was awarded to Nathan Sugarman in chemistry.



Endowed fund (1948)

The Virginia Tech Foundation's pool of endowed funds is now made of thousands of smaller named endowments. The permanent gift that led the way for all the others and that still helps students from Hopewell, Virginia, was made by Mary Eppes to honor her ancestor, Francis Eppes.



Women's sport team (1970)

It wasn't until 1970 that Virginia Tech provided women with an officially sanctioned intercollegiate competitive sport: swimming.

Asphalt walks (1971)

The first asphalt walks across the Drill field—two of them—were poured during the summer of 1971.

Endowed professorship (1972)

The first endowed professorship was set up by Thomas Brooks to benefit the forestry department. Brooks was a prominent Virginia lumberman who strongly supported what is now the College of Natural Resources and Environment.

NASA flight director (1960s)

Christopher C. Kraft Jr. (aeronautical engineering '44) was NASA's first flight director and was instrumental in the nation's first spaceflight, first orbital, first spacewalk, and the first lunar landing. In 1972, he became director of the Manned Spacecraft Center, later renamed the Lyndon B. Johnson Space Center.



Four-star general (1956)

Thomas C. Richards (general business '56) was Virginia Tech's first four-star general. He was deputy commander-in-chief of the U.S. European Command, a former commandant of the Air Force Academy, and head of the Federal Aviation Administration.

First-team All American (1959)

Football player Carroll Dale (vocational-industrial secondary education '64) was the first Hokie ever to be named first-team All American in any sport.

Leading female engineer (1962)

Mary V. Berry (mechanical engineering '62) claims a string of firsts—the first woman registered as a professional engineer in Virginia and the first woman appointed to the State Board of Engineers, Land Surveyors, and Landscape Architects; the first woman to receive Tech's Distinguished Alumni Achievement Award; and the first woman to serve on the College of Engineering's Advisory Board.

Black student to receive degree (1958)

The first black student to receive a degree was Charlie L. Yates, who earned a bachelor's degree in mechanical engineering with honors. Peddrew-Yates Residence Hall was co-named in honor of Yates and Irving L. Peddrew III, the first black student.



To read more about Peddrew and Yates, visit www.vtmag.vt.edu/spring03/feare3.

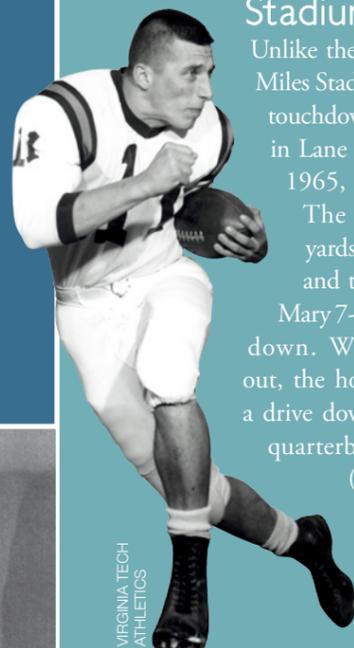


Woman commissioned into ROTC (1959)

The "first woman to" who gained the most public notice was Patricia Ann Miller (general home economics '59), who, during commissioning exercises in Miles Stadium in June 1959, was awarded her ROTC commission in the Army Women's Medical Specialist Corps as a dietitian. She had been denied admittance into the Corps of Cadets throughout her 12 quarters on campus.

Touchdown in Lane Stadium (1965)

Unlike the first touchdown in Miles Stadium, the first Hokie touchdown by a varsity player in Lane Stadium on Oct. 2, 1965, was well recorded. The Gobblers were 80 yards from the end zone and trailing William and Mary 7-3 as the game wound down. With time running out, the home team mounted a drive down the field. Senior quarterback Bobby Owens (left) dropped back to pass and then scampered 13 yards for the score after finding his receivers covered. Tech won the game 9-7. (By the way, the first actual game in Lane was a freshman team battle against the University of Maryland on Oct. 1, 1965.)



VIRGINIA TECH ATHLETICS

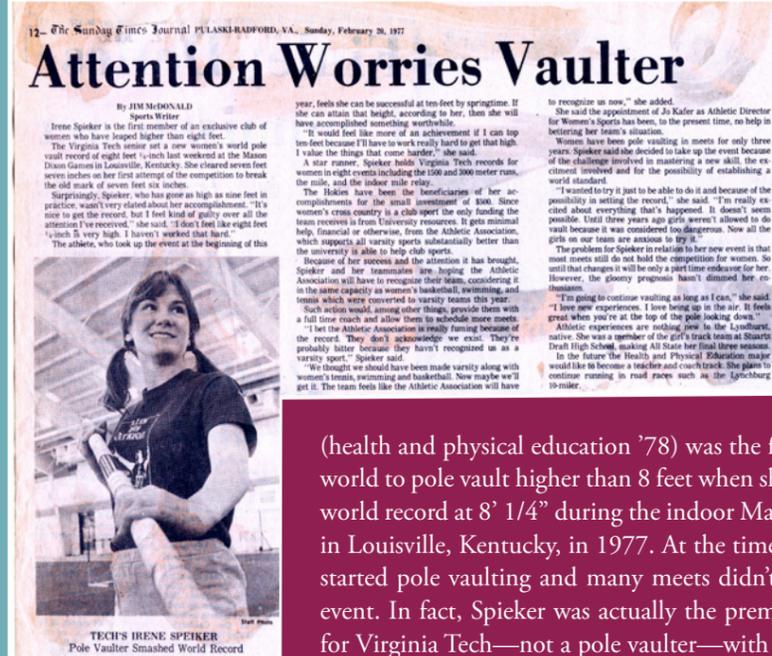
And while the first Virginia Tech touchdown during the Frank Beamer era was exciting, it was just about the only bright spot in a dismal 22-10 loss to Clemson on Sept. 12, 1987. Jon Jeffries (interdisciplinary studies '99), who still holds the Tech record for most kickoff returns in a career, took a kickoff 92 yards for the only Tech TD.



For a collection of videos related to Virginia Tech firsts—including Miles Stadium in 1965—visit www.vtmag.vt.edu.

Corps women (1973)

In a notable national first, the Virginia Tech Corps of Cadets in 1973 was the first corps anywhere in the U.S. to admit women, predating even the service academies by a year. The first two females to sign up were Deborah J. Noss (management, housing, and family development '75) and Cheryl A. Butler (art '76), with a total of 25 joining that year to form the all-female L Squadron. Brig. Gen. David S. Henderson, commandant, said the women's unit was started so that Virginia Tech women could have the opportunity to participate in the ROTC programs being opened to them by the military services (in fact, Butler took the Air Force ROTC exam her freshman year and said she joined the corps as a sophomore primarily because she did well on it). Since the number of men electing on-campus military life had declined since the corps was made voluntary in 1964, Henderson also anticipated that the inclusion of women "might reverse the declining trend of recent years."



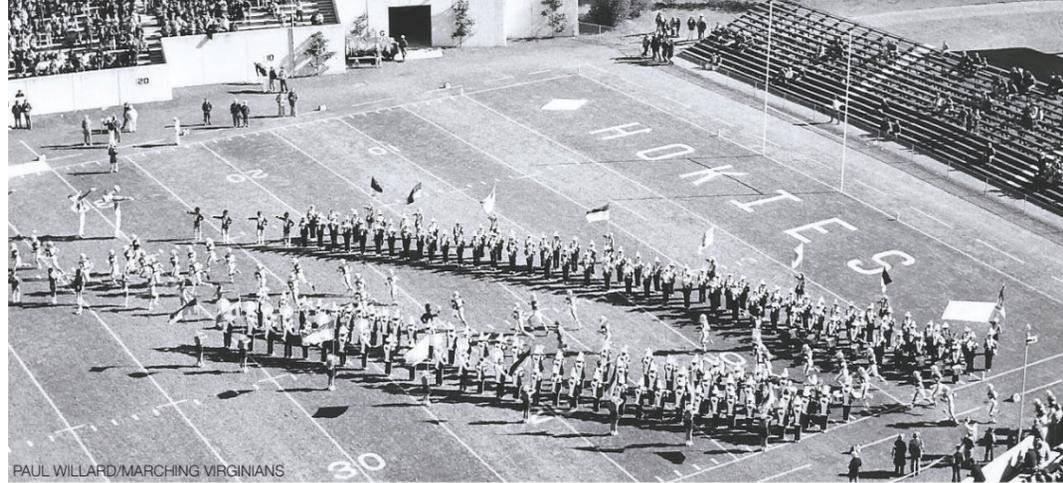
TECH'S IRENE SPEIKER Pole Vaulter Smashed World Record

World-record pole vaulter (1977)

Irene Spieker

(health and physical education '78) was the first woman in the world to pole vault higher than 8 feet when she set an unofficial world record at 8' 1/4" during the indoor Mason Dixon Games in Louisville, Kentucky, in 1977. At the time, women had just started pole vaulting and many meets didn't even include the event. In fact, Spieker was actually the premier female runner for Virginia Tech—not a pole vaulter—with school records for the indoor and outdoor mile, 1,500 meters, and 3,000 meters.

"... I feel kind of guilty over all the attention I've received," she said at the time. "I don't feel like 8 feet 1/4 inch is very high. I haven't worked that hard." In 1979, Spieker broke the national record five times in the same Mason Dixon Games and cleared 10 feet. Although the International Association of Athletics Federation didn't start recognizing an official world record in the event until 1992, most record charts list that 1979 vault as the first unofficial record. It stands at 16 feet 7 inches now.



PAUL WILLARD/MARCHING VIRGINIANS

Marching Virginians (1974)

When the Marching Virginians first took the football field on Sept. 28, 1974, in the midst of a dismal loss to Houston, most fans probably had no idea that the 120-member band had been a unit for just 10 days. It was cobbled together in a matter of months at the request of then-President T. Marshall Hahn Jr., who had decided “Tech needed a big-time band to have big-time football,” said Tony Distler, who was then head the Department of Performing Arts and Communication and the person Provost Les Malpass called on to make it happen.

Tech did have the Highty-Tighties, but only Corps of Cadets members were allowed and their numbers had dwindled to the point that it was impossible field the size band Hahn envisioned. In addition, Distler said, Hahn thought that talented musicians in the 97 percent of the student body who weren’t cadets should have a chance to play in a marching band. The first director, Roger Heath, brought Purdue University’s internal, student-run system—similar to the way the corps is run—with him. “It’s the only big-time band in the United States that’s still run that way,” Distler said. Though he doesn’t remember the first song played by the Marching Virginians, he knows that “Bridge Over Troubled Water” was in the repertoire.

Though retired, Distler maintains his position as “voice” of the Marching Virginians, and the tower on their practice field is named the Tony Distler Marching Virginians Tower.

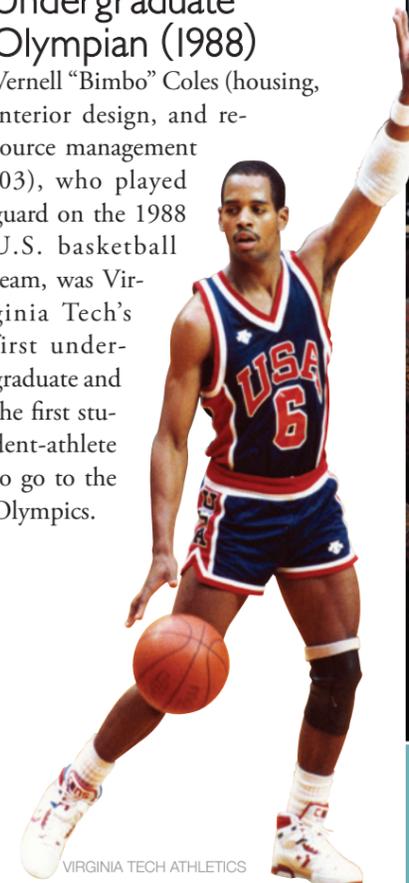
Heath, the first director, said the inaugural year was full of challenges. “That summer while we were deciding what to call the new band, we were ordering new instruments and trying to find a place to put them; we were looking for a practice field and indoor facilities for rehearsals; we were deciding when, how, and where we could do a training camp before school in the late summer. We were writing to every prospective band member we knew about, we were interviewing new students on campus during orientation, and we were designing and ordering new uniforms. We had no traditions, and the only measuring stick of our success was how we compared to the high school bands from which we had emerged.”

Olympian (1972)

Todd Scully, a one-time coach of Tech’s cross-country team, served as an alternate on the Olympic racewalking team in 1972 and competed in 1976. In 1980, he was a Tech graduate student when he again was selected for the Olympic team, but the U.S. boycotted the games that year, and so technically he never competed while studying at Tech. “It was disappointing to everybody,” Scully remembers. “You just spent four years making progress and improvement, and you end up not being able to use it. Between ’76 and ’80 I think I set seven world records. ... I was ready to compete.”

Undergraduate Olympian (1988)

Vernell “Bimbo” Coles (housing, interior design, and resource management ’03), who played guard on the 1988 U.S. basketball team, was Virginia Tech’s first undergraduate and the first student-athlete to go to the Olympics.



VIRGINIA TECH ATHLETICS

Female provost (1995)

The university appointed College of Human Resources Dean Peggy Meszaros as senior vice president and provost, the highest administrative position ever held by a woman at Virginia Tech.



JIM STROUP



JIM STROUP

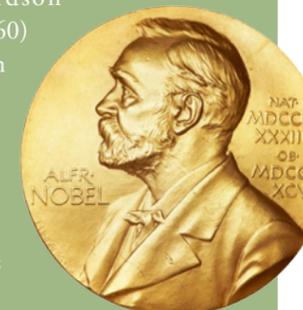
Spin-off company (1985)

Vinod Chachra (M.S. industrial engineering ’68, Ph.D. ’71) pioneered more than a couple of important Virginia Tech firsts. In 1983, after serving in several roles starting in 1972, he was named vice president of computing and information systems, the first such vice president at any public university in the nation. In 1985, he was asked to lead the first spinoff company formed from a Virginia Tech intellectual property—VTLS Inc. (Virginia Tech Library Systems), an automated circulation and cataloguing system created for Newman Library. “During the first 19 months of the company, we were losing a thousand dollars a day, including weekends,” Chachra has said. “There was a lot of negative cash flow going on.”

But after a major breakthrough in 1987, VTLS became the first tenant at the Virginia Tech Corporate Research Center (CRC). Now, VTLS provides creative software solutions to a diverse customer base of more than 2,100 libraries in 40 countries. Although the Virginia Tech Foundation sold its shares of the company years ago, the Foundation has used the profits to make other crucial investments in the CRC, leveraging dividends from that first spinoff into advancements for other innovations.

Nobel Prize (1996)

Robert C. Richardson (physics ’58, M.S. ’60) won the Nobel Prize in Physics for discovering how helium-3 can transform itself into a liquid that flows without friction at temperatures near absolute zero.



VIRGINIA TECH ATHLETICS

2000s



Female African-American regimental commander (2006)

Christina Royal (sociology '06)



Homebuilt supercomputer (2003)

System X, Virginia Tech's first supercomputer, was assembled in the summer of 2003 by faculty members, staff, and students for a mere \$5.2 million, and at the time was ranked as the world's most powerful and cheapest homebuilt supercomputer (third-fastest supercomputer in the world). By comparison, the fastest supercomputer at that time cost approximately \$400 million to build. Made up of 1,100 Apple PowerMac G5 computers, System X surpassed the original processing speed goal of 10 teraflops. The computer was retired in 2012.



Caldwell March (2000)

Twenty-first century Virginia Tech cadets have all taken approximately the same route first trudging by William Addison "Add" Caldwell and older brother Milton M. "Mic" Caldwell to get from Sinking Creek in Craig County, Virginia, to Blacksburg to enroll at VAMC, but what has become a cherished tradition for the corps didn't actually start until 2000. Germination for the Caldwell March came in 1997, when Col. Ed Schwabe, deputy commandant of the corps, participated in a university-sponsored 125th anniversary march commemorating the Caldwell's trek. At first he thought about doing the entire march at one time, but that would have required overnight field equipment for hundreds of people, so the trek is split in two, with the fall march marking the end of what is known as the Red Phase of cadet training and the spring part marking the end of freshman training.



International-student regimental commander (2008)

Adnan Barqawi (business management '09)

Humanoid robot (2008-10)

CHARLI (Cognitive Humanoid Autonomous Robot with Learning Intelligence), born in the College of Engineering's Robotics and Mechanisms Laboratory, was the first untethered, autonomous, full-sized, walking, humanoid robot with four moving limbs and a head built in the United States. His legs and arms move and gesture thanks to a combination of pulleys, springs, carbon fiber rods, and actuators. A subsequent version went on to dominate the international robot soccer competition, known as RoboCup.



Moss Arts Center performance (2013)

On Nov. 1, 2013, the Philip Glass Ensemble christened the Moss Arts Center's Anne and Ellen Fife Theatre in the Street and Davis Performance Hall. The sold-out performance featured contemporary music performed live by Glass and his ensemble accompanying the film "Powaqqatsi: Life in Transformation." The performance was chosen to launch the inaugural season based on not only the extraordinary sensory power of the music and imagery, but also for the timely and compelling international themes and questions it raises. The Blacksburg Children's Chorale joined the ensemble for the performance.

"Enter Sandman" (2000)

When Virginia Tech added a fancy new scoreboard to Lane Stadium ahead of the 2000 season, the athletics marketing team decided to use the scoreboard for an entrance video. The group considered "Welcome to the Jungle" by Guns N' Roses and "Sirius" by the Alan Parsons Project before settling on Metallica's "Enter Sandman." The song was first played on Aug. 27, 2000, for the season opener against Georgia Tech—the famous "Lightning Bowl" that was canceled after the teams had taken the field but before kickoff. Fans also will remember that game for lightning striking ESPN analyst Lee Corso's car shortly after he picked against Tech.



Lavender commencement (2009)

The first Lavender commencement ceremony for LGBT students was held.



Richard Lovegrove is an editor with the marketing and publications unit. Mason Adams and intern Eli Heilker contributed to this story. Other excerpts first appeared in "History and Historical Data of Virginia Tech," an online publication (accessible at www.unirel.vt.edu/history) that was written by former University Relations director of publications Clara Cox (M.A. English '84), who updated the "Historical Data Book" first penned by Jenkins M. Robertson in 1972.

Unless otherwise noted, all photos are courtesy of Historical Photograph Collection, Special Collections, University Libraries, Virginia Tech.



Ready to Lead

by BETH CAMERON
photos by JIM STROUP

Kylie Gilbert may describe her involvement in Virginia Tech's Residence Hall Federation (RHF) as "kind of an accident," but she certainly has made the most of her time in the organization, including serving two terms as president.

A rising senior from Manassas, Virginia, majoring in finance and accounting and information systems in the Pamplin College of Business, Gilbert said she initially hesitated at the idea of seeking her first leadership post in student governance.

"I faced a lot of self-doubt because I was not confident in my abilities, and I didn't think I could win," she said.

Though she almost withdrew from the running for executive vice president of the Peddrew-Yates Hall Council during her first semester on campus, Gilbert said a pep talk from a hall-mate led her to stay in the race. Once on the council, she started attending larger-scale meetings of student leaders and went to a regional RHF conference at Georgia State University. The experiences made her want to get even more involved.

When the post of vice president of finance and administration for the university's RHF opened up during the second semester of Gilbert's freshman year, the accounting major

who loved spreadsheets jumped at the opportunity.

Even though she gained significant experience in that role, including managing a budget of \$125,000, Gilbert admitted she was "very, very afraid" when she was nominated for president at the end of that semester. Drawing on support from a faculty advisor, and looking within, Gilbert found her voice to represent the 9,400 students living on campus.

"She went from being a timid and unsure leader to someone who is outspoken and takes advantage of every opportunity to learn, grow, and help others find their voice," said Jennifer Bannon, an assistant

director of housing and residence life for the Division of Student Affairs who encouraged Gilbert to seek the presidency.

Gilbert said that much of her success in developing her leadership abilities was due to the support of fellow students and university administrators like Bannon. In addition, Gilbert, who is paying a portion of her college costs, received the Clifford A. Cutchins Scholarship and an R.B. Pamplin Scholarship, which freed her from needing a part-time job and allowed her to take an unpaid internship in the White House's Office of the Chief Financial Officer in the summer of 2013. While the internship will be beneficial should Gilbert seek an accounting job, her leadership experiences have encouraged her to explore a career in higher education, perhaps in student affairs.

Gilbert said that before becoming RHF president, she viewed herself as someone comfortable working behind the scenes, overseeing budgets and other complicated, but not highly public, issues. As president, however, she did not shy away from issues likely to draw significant attention, including a resolution in favor of gender-neutral housing, which she championed. In February, RHF unanimously approved the resolution.

Bannon said the process demonstrated how far Gilbert had evolved as a leader.

"She has pushed herself beyond every boundary that she had [when she started at] Virginia Tech," Bannon said. "When she is given the chance to pursue her passions, there is nothing that can hold her back, and she no longer backs away from a challenge."

Patty Perillo, the university's vice president for student affairs, said she admired Gilbert "for many reasons—most notably because she is a quintessential servant-leader, one who cares deeply about impacting the community in positive ways. She leads without fanfare and never seeks attention or credit."

That mindset influenced Gilbert's decision not to seek another term as president. Having seen how the position helped her become ready to lead, she thought it best to step back in order to let one of her fellow students come forward.

"Thinking about how much RHF did for me," Gilbert said, "I want someone else to have that experience." □

Beth Cameron (English '14) was an intern with Development Communications.

“

Kylie went from being a timid and unsure leader to someone who is outspoken and takes advantage of every opportunity to learn, grow, and help others find their voice.”

—Jennifer Bannon, Division of Student Affairs





Kirk '86, '91 and Noel Schulz '88, '90 visited Blacksburg in December 2013 to speak at commencement. When they started dating, Noel lived in the east wing of Eggleston Hall, pictured behind them. In the archway, they shared their first kiss. Photo by Jim Stroup.

Power Couple: Kirk and Noel Schulz

by JESSE TUEL

A purple polo shirt at a Virginia Tech alumni event? Dr. Gerald Zeavin (biological sciences '77) had his reasons.

In late August, a dozen Hokie alumni had gathered for a Wednesday evening happy hour at a microbrewery in Manhattan, Kansas, home of Kansas State University (K-State) and its mascot, a purple Wildcat. As the alumni exchanged pleasantries, Zeavin explained his attire: He had heard that the K-State president is a Hokie, so he'd worn purple, just in case.

Sitting to Zeavin's left at the end of the table, Noel Nunnally Schulz (B.S. electrical engineering '88, M.S. '90) nodded in confirmation and looked at her husband, Kirk Schulz (B.S. chemical engineering '86, Ph.D. '91), who sat directly across the table from Zeavin.

"That's me," said Kirk, also clad in purple, with a laugh. "It's true."

In 2009, Kirk was appointed president of K-State, the land-grant university in Kansas. Noel, the Paslay Professor of Electrical Engineering at K-State, served as the 2012-13 president of the Institute of Electrical and Electronics Engineers' Power and Energy Society (PES). Their titles aside, the Schulzes' down-to-earth demeanors—which allowed the couple to quietly blend into a gathering of Hokies—have endeared both Kirk and Noel to their university community.

"Our career"

The future couple first met in the summer of 1984 by way of Virginia Tech's Baptist Student Union (BSU). Noel, a Blacksburg native, was preparing for her freshman year;

Kirk, originally from Norfolk, Virginia, was a junior transfer from Old Dominion University. The two started dating after a spring 1985 missions trip.

Noel served BSU as vice president of programming, and Kirk was elected president. Rev. Roland Byrd, the BSU director from 1972 to 1998 who conducted their December 1987 wedding ceremony, said he probably didn't envision Kirk and Noel simultaneously leading a university and a professional society, "but I don't know that I'm overly surprised."

The Schulzes' teamwork started early. Kirk was directing the energy engineering Ph.D. program at North Dakota State University (NDSU) in the mid-1990s, when Noel—knowing that because a university rarely hires its own doctoral graduates, she couldn't pursue the degree at NDSU—investigated other doctoral programs in electrical engineering. With Kirk holding

down the fort as a single parent in Fargo, Noel earned her doctorate at the University of Minnesota in Minneapolis.

"At the time, you're never quite sure if everything you're doing is exactly right," Kirk said. "[We] decided that we were going to make some of these decisions with no regret."

The Schulzes decided to enable each other. "Noel talked about when we were dating that she wanted to live outside the United States at some particular point," Kirk said. "When it looked like I might be competitive for a university presidency, I told her, 'If you're going to do it, you've got to do it now. I can handle the boys.'"

So, in 2008, Noel spent a semester on sabbatical in Wales. Once a month, Kirk and the boys—one in high school and one in middle school at the time—traveled to Europe to see Noel and the continent. "I think it's always looking for ways to make stuff happen as opposed to not," Kirk said. And they see that attitude and flexibility in their sons: Tim is a graduate student at the University of Tulsa, and Andrew is a rising sophomore at Oklahoma State University.

At Mississippi State University from 2001 to 2009, Kirk rose from director of the chemical engineering school to dean of the James Worth Bagley College of Engineering to vice president for research and economic development. The couple recognized that in order to avoid appearances of favoritism, Noel's best leadership opportunities were outside the university setting. After serving as PES secretary from 2004-07 and treasurer from 2008-09, Kirk nudged her toward the presidency. "Kirk has always encouraged me to lean in to take [leadership] opportunities when maybe I didn't think I was ready," Noel said.

At PES, an international organization of more than 32,000 members that unites power and electric professionals from industry, government, and academia, Noel

became one of two female presidents in the society's 130-year history. Focused on attracting women to PES, she established an affinity group for members, Women in Power.

Easily accessible and responsive, Noel was much younger than a typical president, which "speaks highly of her capabilities and acceptance among her peers," said Virginia Tech's Saifur Rahman, the Joseph R. Loring Professor of Electrical and Computer Engineering and a former PES vice president who mentored Noel and taught her in Tech classes. "She is very focused. When she puts her mind to it, she sees it can be done. She's very hard-working."

Through the years, the Schulzes have supported each other. Describing the journey, Noel made linguistic choices that stood out: a plural pronoun, "our," and a singular noun, "career."

"If you look at our career," Noel said, "it's been a team effort."

Leading K-State

Preparing for a ceremony to renew a formal partnership between the university and the U.S. Army's 1st Infantry Division, which is based at Fort Riley, adjacent to Manhattan, the Schulzes entered the K-State alumni center's foyer and began greeting attendees in fatigues and suits.

At the reception, prior to the ceremony, K-State Provost April Mason quickly offered to talk about the Schulzes. In 2010, a search committee had contacted her, but she was content at Colorado State University. Then an email appeared in her inbox, from a "Kirk S." at K-State. "I thought, 'What is this? Is it another member of the search committee?'" Instead, the email was from Kirk, saying simply, "Your name has come forward. Would you like to talk about it?"

The president's approach intrigued Mason, and Kirk's philosophies toward higher education resonated with her own. "He's someone who's willing to take on difficult tasks, who's willing to be consultative, someone who has tremendous enthusiasm and energy," Mason said.

As the ceremony began, Kirk, sitting with Noel at the front row of tables, stared down at his phone. Those who know him, however, realized he wasn't disengaged. Just the opposite, in fact, as Kirk snapped a photo of a speaker and tweeted it.

Taking to social media was a conscious decision, Kirk said. "One of my frequent criticisms of administrators when I was a



COURTESY PHOTO



The Schulzes at Kirk's presidential inauguration (above) and with their sons Andrew (left) and Tim (right). Lower photo courtesy of David Mayes, Kansas State University Division of Communications and Marketing.



If you look at our career, it's been a team effort."

— Noel Schulz '88, '90

faculty member is that they are really bad at communicating. Everybody's working hard, but nobody around them knows what they're doing."

When Kirk was chemical engineering department chair at Michigan Technological University, he hired Jason Keith, now the interim engineering dean at Mississippi State. Keith learned from his mentor that communication—whether via social media or a simple email to a former colleague—shows the “human side of an academic administrator,” he said.

At K-State, Kirk articulated a clear vision: to leapfrog the university into the list of the top 50 public research universities by 2025. Kirk introduced “K-State 2025” and sought campus-wide buy-in on how to achieve the lofty goal through a strategic plan. The impact of such aspiration has resonated widely, as evidenced by five consecutive years of private-giving records; giving rose from \$81.5 million in FY09 to \$152 million in FY13.

“His enthusiasm is infectious, and I think that's why he's been so successful in the development arena,” Mason said. “People can see his vision.”

“[K-State 2025] was so effectively communicated and embraced that one cannot find anyone associated with the university, including state legislators, that cannot tell you about this vision,” said Andy Tompkins, president and CEO of the Kansas Board of Regents, which governs

the state's public institutions. “Kirk's vision for the university, coupled with a strong strategic and campus master plan, is his most notable accomplishment.”

Kirk said the boldness of the goal has permeated the campus climate and the aspirations of alumni. “Sitting down with a donor, the first thing we say is ‘This is where we're trying to go as a university and we want you to help us get there.’ That's a powerful argument, a powerful statement, and we've seen some early success,” he said.

Noel, meanwhile, has leveraged her role as first lady to empower women. Building upon similar efforts with PES and previous universities, she launched the Women of K-State initiative to connect women faculty, staff, and students. Also serving as the associate dean for research and graduate programs in the College of Engineering, Noel spearheaded a program, now in its second year, to take pre-tenure faculty to Washington, D.C., to visit federal agencies that provide research and development funding. For younger faculty members, the trip demystifies the process of interacting with funding agencies, said Mason, who this year traveled with the faculty members. “Coming back, their feet weren't touching the ground,” Mason said of their enthusiasm as they grasped the possibilities. Added Mason, Noel is a “very defined leader in her own right,” one of “boundless energy.”

Energy is required for a university president and spouse. In Manhattan, a small community, there's little downtime. “I think the life of a university president is in a fishbowl, and you'd better like that because if you don't, you're going to be miserable,” Schulz said. “I like the fact that we can be eating [downtown, and people] say hello to you and talk about football or whatever.”

As the Hokie alumni event wound down in late August, several alumni posed for

photos with the Schulzes. When one alumna tweeted a photo with the president, he retweeted the image right away, adding “It was fun!”

Genuine and engaged to the end, the power couple said their goodbyes and slipped out without fanfare. □

The quick-witted K-State president (@kstate_pres) maintains an active presence on Twitter. Here's a sampling:

- 🐦 Negative Ghost rider @alexseverance: So ummm... @kstate_pres ... If the government gets shutdown, that means no classes tomorrow, right?
- 🐦 It is next to my Ferrari key “@Colin_M2012: @kstate_pres I lost my jeep key on campus and ldk what to do!
- 🐦 Umm - remember you are paying us to teach you... “@RudytheKid3: It's pretty much a crime to have classes during game day @kstate_pres #EMAW

More than fun and games, the social media platform allows Schulz to address problems, cheer on success, and shed light on a president's daily activities:

- 🐦 What rooms are having problems? @srahjes: @kstate_pres Can we all just agree not to have classrooms hotter than 72°....please?
- 🐦 Awesome! @ZachStroth: The KSU Greek community raised \$58,824.81 this semester alone for various philanthropic causes! Wow! @kstate_pres
- 🐦 In Chicago and flying back to MHK today after 3 excellent days visiting K-State Alumni & friends in NYC & Chicago! #KState2025
- 🐦 Well after working on NCAA Governance Reform I think I will tackle something non-controversial like redoing the IRS Tax Code #PrezProblems



A Tale of Two Flags

Global connections: On the spring Caldwell March, first-year cadets in Hotel Company (above) posed with two flags that mark a collaboration with a Foreign Advisory Support Team that counts among its members Jared Johnson (above right, at right), a Drug Enforcement Administration special agent whose son, Bridger Johnson (lower right), is a Hotel Company cadet.

by MAJ. GEN. RANDAL D. FULLHART

The pride that the Hokie Nation holds for its servicemen and women dates back to the origins of the university. That relationship is symbolized in today's Corps of Cadets and showcased in many venues around campus, from Lane Stadium to the Holtzman Alumni Center to the new residence halls that will soon house the corps.

Many of our cadets come from military families whose members have served in the longest sustained period of conflict in our nation's history. Bridger Johnson, a freshman political science major and first-year cadet in Hotel Company, is a case in point. His father, Jared Johnson, a government service special agent with the Drug Enforcement Agency (DEA), has been deployed to Afghanistan since January as part of a Foreign Advisory Support Team (FAST).

The team's mission is to deploy worldwide to assist countries in their ongoing wars against local drug trafficking—trade that can result in the export of illegal drugs to places such as the United States.

In Blacksburg, meanwhile, first-year cadets in Training Company 2-4 in Hotel

Company had the idea of making a flag to represent their cadet organization and sending it to Bridger's dad and his team in Afghanistan.

The plan was for FAST to photograph the flag flying in Afghanistan before returning it to the cadets, who would carry it with them on the spring Caldwell March. (Under the leadership of selected upperclassmen, first-year cadets complete the 26-mile march in two segments, one in the fall and one in the spring. The march retraces the steps of Addison “Add” Caldwell, the first student-cadet to enroll in what was then Virginia Agricultural and Mechanical College, today's Virginia Tech.)

To create the flag, the cadets approached a member of their unit, Zachary Lanman, a freshman mathematics major whose mother is an accomplished seamstress. Lanman's mother soon finished the flag.

In return, FAST decided to see the cadets one flag and raise them another. The team designed a flag and asked a tailor in Kabul—who often helped them repair uniforms during deployment—to make the flag.

The cadets mailed their flag to the team. Upon arrival, the flag was carried by



COURTESY OF JARED JOHNSON



KATHY FULLHART

Johnson during Operation Red Queen, a March 22 mission in the Sherzad district of Afghanistan. The mission was a joint operation between FAST, Afghan National Army commandos, and the Afghan National Interdiction Unit. The operation was a great success, destroying two large heroin labs and approximately \$600,000 worth of drugs and drug-making materials.

Both flags were then sent to the cadets, who proudly carried them on the spring Caldwell March.

Meaningful to all involved, the flag exchange is just another example of the global connection between the corps and others, military and civilian, serving around the world. □

Maj. Gen. Randal D. Fullhart, U.S. Air Force (retired), is the commandant of the Corps of Cadets. Cadet Rebecca McAfee, a senior majoring in economics with a minor in leadership studies, who commissioned in the U.S. Army this spring, contributed to the article.

alumni association

Welcome to Virginia Tech, President Sands

Virginia Tech has transitioned once again in its presidency, with Timothy D. Sands assuming the office on June 1. In the university's 142-year history, such a transition has been remarkably infrequent. The shortest transition (possibly on record at any university) was when the third president was named in 1880, but changed his mind before taking office and therefore was never counted officially among our 16 presidents. The longest-serving president, Julian Burruss, led the university two-and-a-half decades. That long of a tenure was rare among institutions, even in the first half of the 20th century.

History records that each president, particularly those since the early 1960s, has inspired continued growth of university programs, degree offerings, the physical campus, satellite campuses, research, outreach, competitive athletics, and national rankings. According to most rankings and metrics today, Virginia Tech is regarded among the nation's leading universities in a higher-education community of about 4,000 institutions.

Sands follows modern presidents T. Marshall Hahn Jr., William E. Lavery, James D. McComas, Paul E. Torgersen, and Charles W. Steger. When President Hahn assumed the presidency in 1962, there were barely 6,400 students. His first day in office came nearly 100 years to the day Abraham Lincoln signed the Morrill Land-Grant Act, which charted the course for a new type of institution centered on expanding curriculums to serve a growing industrial and agricultural national economy. Virginia Tech was among the early institutions established and seeded by these federal matching funds. In 1962, there were just shy of 30,000 living alumni who welcomed their new president.

Sands took office nearly 152 years after the Morrill Act. And oh, how the landscape has been changed by his predecessors, their administrations, and the faculty. He inherits an enrollment exceeding 31,000, five times more than at the beginning of the Hahn presidency. Expanding enrollments over the past 50 years have yielded an alumni base that has grown by more than 200,000 to the current total of about 238,000.

A proud Hokie Nation welcomes the university's 16th president and pledges to help him and the university in many ways. As the old saying goes, there is strength in numbers (of alumni). That strength will manifest itself through service to the university and the world beyond, through student recruitment, through mentoring and hiring graduates, through financial support, through athletic fan support, and through advocacy at the state and national levels. Virginia Tech alumni are enthusiastic about and engaged in these and many other ways to advance the university.

We welcome Tim Sands and his wife, Laura, as the university's new first family. They are thrilled to be Hokies.

Tom Tillar '69

Vice President for Alumni Relations



LOGAN WALLACE



DAVE HUNT



LOGAN WALLACE



JIM STROUP

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Dave Hunt	Communications Director
Shirley Fleet	Class Notes Editor

In his first week in office, Tim Sands explored campus with his wife, Laura (top), greeted guests at a welcome reception (lower right), and shared a lighter moment with Board of Visitors member Cordel Faulk '98 (middle). At left, the Sands visited with Tom Tillar outside the Holtzman Alumni Center.

Alumni community service: The Big Event

During the annual Big Event on April 5, more than 8,000 students, alumni, and volunteers completed nearly 1,000 community service projects. Each year, alumni serve communities across the country while students serve the New River Valley, resulting in a partnership that embodies the *Ut Prosim* (That I May Serve) motto and extends service in the name of Virginia Tech.

The Big Event began in 2002 as a student-run community service effort that has since grown into the second-largest event of its kind in the nation. Each spring, thousands of students, assisted by faculty and staff, come together to complete projects throughout the area, serving residents regardless of socioeconomic status.

In April 2012, the Charlotte Alumni Chapter, at the prompting of one of its volunteers, Nathan Lavinka (communication, marketing management '11), mirrored the Big Event. As a student, Lavinka was co-director of the campus event. He suggested involving alumni in his chapter area, and volunteers conducted three service projects around

Charlotte. In 2013, the Alumni Association challenged more chapters to join the Big Event; several chapters responded by performing service projects from Seattle to New England.

In 2015, the Big Event will be held on Saturday, April 4. Alumni should make plans early to join this special opportunity to serve their local communities. Along with April 16 Remembrance events, the month has become focused on performing service as alumni, students, faculty, and staff live out the Hokie Nation's motto.



JIM STROUP

Alumni from many chapters—including (clockwise from upper left) Seattle, Houston, the New River Valley, and Western Maryland—participated in April service activities. Photos are courtesy of the chapters.



Each April, the campus sponsors the Run in Remembrance, a Saturday morning 3.2-mile run/walk for students, faculty, staff, alumni, and community members honoring April 16 victims. The run this year, which took place on April 12, welcomed more than 8,500 participants, several thousand of whom formed a giant "VT" on the Drillfield prior to the run.

Pre-game tailgates

At Ohio State, Saturday, Sept. 6

- Pre-game tailgate, 3:30-7:30 p.m. (8 p.m. kick-off)
- The Fawcett Center, Ohio State campus
- Tailgate foods, munchies, sweets, beverages, cash bar, and pep rally
- \$30 per person. For reservations and more information go to the "football festivities" link at www.alumni.vt.edu/football.

At UNC, Saturday, Oct. 4

- Pre-game tailgate
- www.trianglehokies.org

At Pittsburgh, Thursday, Oct. 16

- Pre-game tailgate
- www.chapters.alumni.vt.edu/pittsburgh

At Duke, Saturday, Nov. 15

- Pre-game tailgate
- www.rtpkokie.org

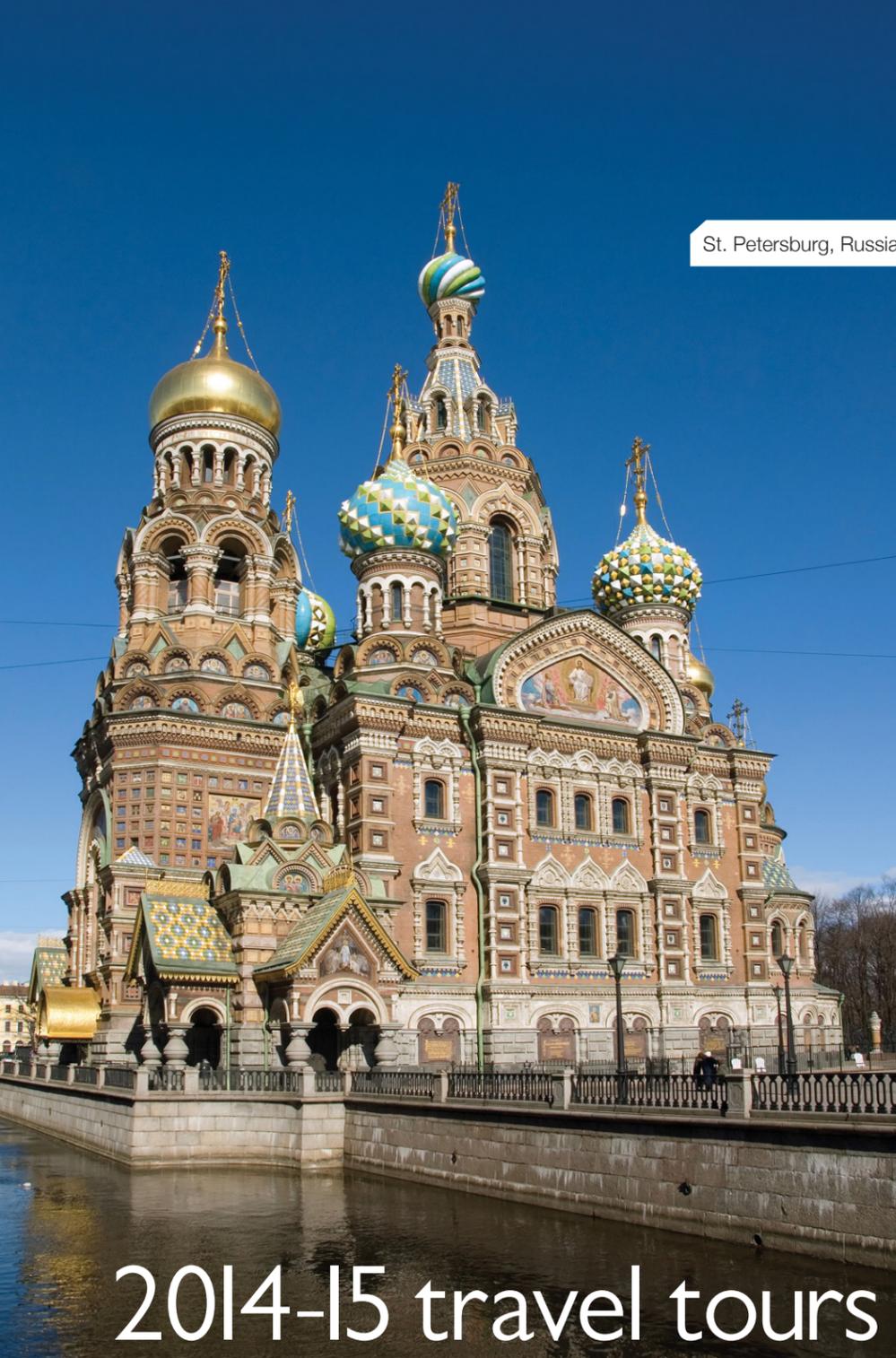


Being VT:

To watch a time-lapse video of the "VT" as it forms, go to www.vtmag.vt.edu.

At Wake Forest, Saturday, Nov. 22

- Tailgate parking—bring your own tailgate, food, and drink, and join other Hokies
- www.NCTriadHokies.com



St. Petersburg, Russia

2014-15 travel tours

Cruise the Waterways of Russia
AHI, River Victoria
Aug. 7-20 • \$4,445*

Baltic Treasures
Go Next, Oceania Cruises' Nautica
Aug. 21-Sept. 1 • \$4,299* (air included)

Ireland—Kilkenny, Killarney, and Dublin
Go Next
Sept. 19-27 • \$2,599*

Spanish Serenade
Go Next, Oceania Cruises' Marina
Sept. 23-Oct. 4 • \$3,999* (air included)

Accent on the Rivas
Go Next, Oceania Cruises' Marina
Oct. 3-11 • from \$2,499* (air included)

Treasures of Southern Africa
AHI
Oct. 8-22 • \$6,995*

Cruise the Panama Canal
AHI, Crystal Cruises
Nov. 19-30 • \$3,290*

Old Fashioned Holidays in the South
Go Next, American Queen
Dec. 5-13 • \$2,549*

Caribbean Getaway
Vacations To Go, Celebrity Reflection
Dec. 6-13 • \$764*

2015

Safaris, Sands, and Saris
Go Next, Oceania Cruises' Nautica
Jan. 5-Feb. 5 • \$9,999* (air included)

Mystical Andes and Majestic Fjords
Go Next, Oceania Cruises' Marina
Feb. 2-23 • \$5,999* (air included)

Caribbean Paradise
Go Next, Oceania Cruises' Riviera
Feb. 23-March 5 • \$2,799* (air included)

A Toast to Provence and Burgundy
Go Next, A-ROSA Stella
May 1-9 \$3,669*

Isles and Empires of the Adriatic
Go Next, Oceania Cruises' Riviera
May 2-11 • \$2,999* (air included)

Southern Culture and Civil War
Go Next, American Queen
May 14-23 • \$4,699*

River Routes and Channel Crossings
Go Next, Oceania Cruises' Marina
May 18-June 3 • \$5,299* (air included)

Exotic Mediterranean
Go Next, Oceania Cruises' Nautica
May 19-31 • \$3,999* (air included)

Pearls of the Mediterranean
Go Next, Oceania Cruises' Riviera
June 15-23 • \$2,699* (air included)

Coastal Alaska
Go Next, Oceania Cruises' Regatta
July 7-14 • \$2,299* (air included)

Passage of Lewis and Clark Expedition
Go Next, American Steamboat Company's
American Empress
July 18-26 • \$3,795*

Nordic Pathways
Go Next, Oceania Cruises' Marina
Aug. 1-14 • \$5,499* (air included)

Baltic Marvels
Go Next, Oceania Cruises' Nautica
Aug. 19-27 • \$2,999* (air included)

Jewels of the Aegean and Holy Lands
Go Next, Oceania Cruises' Riviera
Sept. 16-27 • \$4,299* (air included)

Iberian Princes and Palaces
Go Next, Oceania Cruises' Marina
Oct. 23-Nov. 3 • \$3,799* (air included)

Mediterranean Artistic Discoveries
Go Next, Oceania Cruises' Riviera
Nov. 6-18 • 3,999* (air included)

Cuba
Go Next
TBA • \$4,599-4,999* (round-trip airfare to Miami is additional)

Travel testimonials

Jim '64 and Mary Jones
Splendors Down Under Cruise, Oceania, Feb. 21-March 11

In searching for something really special to do to commemorate our 50th anniversary, my wife and I came across a brochure from Virginia Tech about a trip to Australia and New Zealand. The price was very reasonable, and one of the departure cities was our hometown of Richmond, Virginia. What a great time! Tour coordinator Go Next and Virginia Tech combined to make this the trip of a lifetime. In addition to the beautiful scenery of Australia and New Zealand, we attended a number of events on board hosted by Tech. We enjoyed spending time and sharing memories with the Hokies we met. There were alumni from about 20 universities on board, but our Tech contingent was one of the largest. The Oceania cruise line was top-notch and added to the enjoyment. We look forward to joining fellow Hokies on future trips.

Jon '58 and Jill Loker
Tahitian Jewels, Oceania, March 26-April 5

We've been on numerous cruises but consider the Tahitian Jewel cruise on Oceania's Marina to be our favorite. It was the trip of a lifetime. The turquoise blue waters of the South Pacific and French Polynesian islands are so beautiful. This trip made for a fine way to celebrate our 55th wedding anniversary—and, of course, we had to purchase some Tahitian black pearls! Furthermore, traveling with great Hokies helped top it off. The Alumni Association picked a real winner and served us well. The alumni travel director, Gwen Harrington, was a terrific help and a super host (complemented by her husband, Mike).



COURTESY OF JIM JONES '64



COURTESY OF JON LOKER '58

Jim '64 and Mary Jones (top) and Jon '58 and Jill Loker (directly above)

www.alumni.vt.edu/travel

* Dates and prices are subject to change. Pricing is based per person on double occupancy without air, except as noted. Free air is based from select North American gateway cities. The Alumni Association encourages all alumni to consider purchasing travel insurance.

2014 Reunions

Sept. 20 – Georgia Tech
Class of 1974 – 40th Reunion
Class of 1979 – 35th Reunion

Sept. 27 – Western Michigan
Class of 1964 – 50th Reunion

Oct. 23 – Miami
Class of 1984 – 30th Reunion
Class of 1989 – 25th Reunion

Nov. 1 – Boston College
Class of 1969 – 45th Reunion

Nov. 28 – Virginia
Young Alumni Reunion

2014 Homecomings

Aug. 30 – William & Mary
Veterinary Medicine
Graduate School

Sept. 13 – East Carolina
Corps of Cadets
College of Natural Resources
and Environment
College of Liberal Arts
and Human Sciences

Sept. 20 – Georgia Tech
College of Agriculture and Life Sciences

Sept. 27 – Western Michigan
(Homecoming Parade)
Alumni Center Open House and Tailgate

College of Engineering
Student Affairs: SGA and Order of the Gavel
Highly-Tighties
Marching Virginians

Oct. 23 – Miami
College of Science

Nov. 1 – Boston College
Pamplin College of Business

Nov. 28 – Virginia
College of Architecture
and Urban Studies
Student Alumni Associates 45th Reunion

Details and Registration:
www.alumni.vt.edu/reunion

Alumni board elects officers and members

Alumni Association Board of Directors President Matthew M. Winston Jr. (marketing '90) and board Vice President A. Carole Pratt (biological sciences '72) were recently re-elected to one-year terms. Winston resides in Athens, Georgia, and serves as assistant to the president of the University of Georgia. Pratt, a retired dentist and a policy advisor with the Virginia Department of Health, resides in Dublin, Virginia. Also elected to the board's executive committee were Kendley J. Davenport (public affairs, management '84), Lisa Carter Ellison (finance '86), and Mark S. Lawrence (management '80).

Newly elected board members include Gordon "Gordy" Bryan (theatre arts '82), Thomas H. Hughes (architecture '80), Michael T. Kender (chemical engineering '83), Adeel S. Khan (accounting and information systems '09), Nathan T. Lavinka (communication, marketing management '11), Jacob A. Lutz (finance '78), and Justin A. Yalung (finance '05). Incumbents elected to a second term were Morgan E. Blackwood (industrial systems engineering '02), Marvin J. Boyd (management science, management '00), and Karen E. Torgersen (elementary education '78, M.B.A. '86).



Matthew M. Winston Jr. '90 and A. Carole Pratt '72

COURTESY PHOTOS

reunions & homecomings



LOGAN WALLACE



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Book Notes

FACULTY/STAFF

nonfiction

Deborah Milly, associate professor, political science department, “New Policies for New Residents: Immigrants, Advocacy, and Governance in Japan and Beyond,” history, sociology, Cornell University Press.

George Norton, professor, agricultural and applied economics department, “Hunger and Hope: Escaping Poverty and Achieving Food Security in Developing Countries,” memoir, textbook, Waveland Press.

ALUMNI

nonfiction

Christopher J. Bise (mining engineering '72), editor, “Modern American Coal Mining: Methods and Applications,” textbook, Society for Mining, Metallurgy & Exploration.

Thomas Tabb Jeffries III (geophysics '65), “Kenton Harper of Virginia: Editor, Citizen, Soldier,” history, Augusta County Historical Society.

Randi Wolf Lauterbach (education '74), “Matzo Balls and Christmas Trees: Memories of My Jewish Mother,” memoir, Belle Isle Books.

DeMond Owens (technology education '97), “Tao of Funkizm,” self-help, CreateSpace.

Dave Ruth (history '75), “No Turning Back: A Guide to the 1864 Overland Campaign, from the Wilderness to Cold Harbor, May 4-June 13, 1864,” history, Savas Beatie.

Adrienne Trier-Bieniek (M.S. sociology '07), “Sing Us a Song, Piano Woman: Female Fans and the Music of Tori Amos,” music, women’s studies, Rowman and Littlefield.

Robert Watson (education '85), “America’s First Crisis,” history, SUNY Press; and “Affairs of State,” history, Rowman and Littlefield.

fiction

William Johnson (psychology '83), “A Silent Tide,” historical novel, self-published.

featured author

From 2007 to 2009, teacher and Pittsburgh native **Emily Korrell** (interdisciplinary studies '98) was an educator at the National Museum of Natural History in Washington, D.C., where she enjoyed learning new things from the museum’s scientists and sharing museum secrets with visitors young and old. She spent five years creating the official guide to the Smithsonian Institution, “Awesome Adventures at the Smithsonian,” released by Smithsonian Books in 2013. Today, she lives with her husband, Gideon Korrell (electrical engineering '01), and her son, Cyrus, in Northern California, where she teaches second and third grades.

Welcome to the National Air and Space Museum.

You have arrived at one of the most popular museums on Earth, the Smithsonian National Air and Space Museum. Here you will be surrounded by the world’s largest collection of airplanes and spacecraft. You will also discover all kinds of objects—large and small—related to the science and technology of flight, the study of space, and the exploration of the universe. Here you will spend a lot of time looking up at the planes and spacecraft that seem to be flying throughout this huge museum.

Have you ever flown on a plane? Would you like to visit outer space someday? It may be hard to believe, but human flight is a relatively new development. In the past 100 years or so, people have figured out how to get off the ground into the air and stay in the air. And it’s only been about 60 years since people figured out how to travel to space. Your grandparents probably watched the first humans walk on the moon on television. Ask them to tell you about it!

You are lucky to live in the age of flight! Our big world seems smaller today since we can fly almost anywhere on Earth within a day. Where would you like to fly? How about space? Maybe in your lifetime, spaceflight will become common for many people, not just astronauts. Would you like to take a space vacation?

So, get started with your exploration of flight and space travel. At the National Air and Space Museum you will find out how it all began, what important steps were taken along the way, and what lies ahead for explorers like you!



Derek Allen Davis '07, Yorktown, Va., a son, Bryce, 12/21/13

DANIELLE DAVIS

'35  Neil A. Finn (BAD), Aventura, Fla., 1/11/14.

'36  Richard W. Garnett Jr. (CHE), Crozet, Va., 11/12/13.
Stuart Shumate (CE), Richmond, Va., 3/9/14.

'37  W. Todd Robins III (METE), Mountain Brook, Ala., 3/21/14.

'38  William “Kay” K. Monger (BAD), Harrisonburg, Va., 1/5/14.
C. Duval Seagle (BAD), Pulaski, Va., 9/12/13.

'39  Hubert M. Blair (AGRN), Longwood, Fla., 2/18/14.

'40  Elbert “Mack” S. Maloney (EE), Pompano Beach, Fla., 1/5/14.

'41  Philip H. “Flip” Boyette Jr. (BAD), Portsmouth, Va., 1/1/14.
William O. Crandall (BAD), Orlando, Fla., 1/24/14.

Raymond C. Scott (AGED, AGEC '42), Arlington, Va., 1/16/14.

'42  Ralph W. Crews (CE), Golden Valley, Minn., 12/28/13.
Henry E. Holzbach (EE), Newport News, Va., 11/5/13.
William T. Law (METE), Alexandria, Va., 2/3/14.

Melvin J. Mateer (CE), Middletown, Pa., 1/25/14.
John D. Thompson (CERE), Naperville, Ill., 12/21/13.

'43  Paul D. Belz (ME), Catonsville, Md., 1/14/14.

W.R. “Bill” Hitchman (ME), Charleston, W.Va., 12/25/13.

Clarence C. Larue Jr. (ANSC), Kingsport, Tenn., 1/9/14.
Charles E. Wilkerson (ARCH), Rocky Mount, N.C., 2/20/14.

'44  A.H. “Al” Connellee (CHE '43), Short Hills, N.J., 2/8/14.
E. Rouzee Givens (ME '47), Newport News, Va., 1/8/14.

'45  L.H. “Pete” Goddin (BAD '48), Raleigh, N.C., 12/2/13.
Harry K. Rust (DASC), Midlothian, Va., 2/15/14.

'46  Walter C. Brown (BAD '47), Harrisonburg, Va., 2/18/14.
Warren N. Dannenberg (BIOL), Henrico, Va., 08/02/13.

Alexander M. Davis Jr. (ME '48), Max Meadows, Va., 3/4/14.
Franklin F. Harding (CHEM), Heathsville, Va., 11/10/13.
E.R. “Knobby” Walsh (BAD), Saint Helena Island, S.C., 12/8/13.

'47  Robert W. Lampe (EE), Cincinnati, Ohio, 2/16/14.
Henry A. Singe (IE), Charlotte, N.C., 2/13/14.

Richard N. Southworth (CE, EM '53), Santa Maria, Calif., 2/26/14.

'48  D. Everette Hudson (ANSC), Amherst, Va., 3/1/14.
Leslie F. Fringer Orr (BIOL), Catawba, Va., 6/14/13.

'49  Jean C. Cothorn Jackson (GHCC), Bluefield, W.Va., 3/14/14.
Burton P. Lee (IE '48), Roanoke, Va., 1/18/14.

Robert C. Newman (CE), Wilmington, N.C., 2/5/14.

Leonard O. Oden (BAD), Norfolk, Va., 1/15/14.

David C. Stables (AGE), Farmville, Va., 12/27/13.

Earl W. Walker Jr. (ME), Midlothian, Va., 1/3/14.

Marcus K. Woodford (AGEC), Atlanta, Ga., 2/2/14.

'50  Guy E. Bishop Jr. (ME), Virginia Beach, Va., 1/20/14.
Robert H. Courtney Jr. (EE), Panama City, Fla., 3/13/14.

Joseph S. Davis Jr. (ME), Charlotte, N.C., 2/20/14.

Joyce P. Parker Goforth (AGRN), Kinston, N.C., 1/17/14.
Frank T. Grogan Jr. (IE), Danville, Va., 3/5/14.

R. Clyde McAllister Jr. (IE '51), Richmond, Va., 2/8/14.

'51  Eugene M. Baird (PHYS), Charlottesville, Va., 8/1/13.
Willie L. Barnes (EE), Farmville, Va., 1/15/14.

William L. Brown Jr. (ME), Chesapeake, Va., 1/1/14.
I. Bernard Hall (AGEC), Norfolk, Va., 3/4/14.

Douglas C. Landrum (ME), Dunnsville, Va., 12/6/13.

Allyn H. Morton (ME), Abingdon, Va., 12/26/13.

Frederick L. Phlegar (AGED), Radford, Va., 1/21/14.

Alan L. Potter (CHEM), Charlottesville, Va., 1/31/14.

T.C. “Ted” Slugocki (EE), Slatington, Pa., 2/26/14.

George S. Smeltzer (EE), Woodbridge, Va., 2/5/14.

Joseph L. Stephens (METE), Oxford, Ga., 3/3/14.

Alumni, we want to hear what you've been doing. Mail career, wedding, birth, and death news to Class Notes, Virginia Tech Alumni Association, Holtzman Alumni Center (0102), 901 Prices Fork Rd., Blacksburg, VA 24061; email the news to fleets@vt.edu; or submit the news online at www.vtmag.vt.edu/submit-classnote.php, where photos may also be uploaded for consideration.

Alumni mailing addresses may be viewed online at www.alumni.vt.edu/directory by logging in with your Virginia Tech PID and password. For assistance, call 540-231-6285.

 career accomplishments

 weddings

 births and adoptions

 deceased

William D. Wampler, a pioneer of livestock production techniques, a member of the Virginia Tech College of Agriculture and Life Sciences Hall of Fame, and the retired chairman of WLR Foods, died March 15 in Bridgewater, Va. Wampler (poultry husbandry '50) and his family are credited with establishing modern scientific methods and vertical integration in the poultry industry. He made Wampler farms and facilities available to Virginia Tech faculty for field-testing and applied research, and he and his wife, Bonnie Lou, supported the construction of the Alphin-Stewart Livestock Teaching Arena, where the Wampler Classroom is housed. The Wampler Conference Room, located in Litton-Reaves Hall, chronicles his innovations in the poultry industry.

Submission guidelines are available online at www.vtmag.vt.edu/bookreview.html. To submit a book, mail it to Book Notes, Virginia Tech Magazine, 205B Media Building, Virginia Tech, 101 Draper Rd. NW, Blacksburg, VA 24061. You can also email your name, the name of the publisher, the genre, and a brief description of the book to booknotes@vt.edu. We must receive the book within one year of its publication date. Photos by Logan Wallace.



Justin Andrew Hunts '12 and Lisa Nicole Gibson '12, Radford, Va., 4/6/13



Eric Frady '04 and Amy Frady '05, Springfield Va., a son, Ethan, 1/5/2014

'52 J.C. "Jim" Allen (IE), Greensboro, N.C., 1/13/13.
Sallie S. Scott Carnahan (GHEC), Roanoke, Va., 3/18/14.
Edgar C. Hatcher Jr. (BIOL), Bristol, Tenn., 2/13/14.
Alonzo C. Hicks Jr. (IE), Sykesville, Md., 12/2/13.
Wade B. Phillips (BAD), Des Moines, Iowa, 1/1/14.
William T. Taylor (IAED '53), Pittsburgh, Pa., 2/17/14.

'53 Larry R. Brown (CHE '54, CHE '55), Gardner, Mass., 1/18/14.
Joe S. English (BC), Indialantic, Fla., 9/13/13.
Carlton M. Hall (AGED '70, AGED '70), Richmond, Va., 3/15/14.
Donald W. Hunter (MINE '55), Lexington, Ky., 12/23/13.
James W. Kite (MINE '54), Pearisburg, Va., 2/3/14.
Gordon "Noff" A. Noffsinger (DASC), Arlington, Va., 3/9/14.
Edward W. Wilson (ARE), Greensboro, N.C., 2/15/14.
'54 C.M. "Mac" McBride (AGED), Blacksburg, Va., was awarded

the Wright Brothers Master Pilot Award by the Federal Aviation Administration for practicing and promoting safe flying for 60 consecutive years.

H.S. "Pat" Barr Jr. (BAD), Richmond, Va., 2/27/14.
C.E. "Ed" Harnsberger (RS), Tucson, Ariz., 5/27/13.
J. Ronald Short (BAD), Charlotte, N.C., 12/26/13.
Norman "Willie" H. Williams Jr. (BAD), Fort Wayne, Ind., 12/7/13.

'55 H.H. "Hop" Dickenson (ANSC), Overland Park, Kan., 12/24/13.
John M. Downing (ME), Catonsville, Md., 1/5/14.
Robert M. Merriman Sr. (AGEC), Galax, Va., 3/24/14.
R. Lowell Wine (STAT), Roanoke, Va., 1/12/14.
James H. Wirt (IE), Montoursville, Pa., 3/17/14.

'56 Raymond F. Burmester (CE '58), Fairfax, Va., and his wife were honored by the Fairfax County Board of Supervisors for serving more than 25 years as advocates for people with mental and developmental disabilities.

Robert D. Fowlkes (BAD), Danville, Va., 1/3/14.
Fred G. Pruner Sr. (ANSC, EDVT '77), Lebanon, Va., 3/24/13.
James N. Watkins (BAD), Waco, Texas, 11/27/13.

'57 W. Franklin McCarty (AGED '60), Fredericksburg, Va., was awarded the Free Lance-Star newspaper's 2013 Citizen of the Year award.

Gene R. Cress (CE), Roanoke, Va., 2/17/14.
Ernest L. Fulford (CE '58), Chesapeake, Va., 1/1/14.
Lloyd "Meade" M. Harrison Jr. (AGED), McKenney, Va., 3/11/14.

'58 C. Hudson Carper Jr. (ME), Lubbock, Texas, 2/6/14.
Paul E. Fultz (EE '59), Virginia Beach, Va., 1/8/14.
Glendale B. Smith (IE), Chambersburg, Pa., 11/8/13.

Lynn C. Wigginton (BAD), Roanoke, Va., 1/8/14.

'59 John D. Alden (ME), Williamsburg, Va., 1/7/14.
R.R. "Ray" Compton (IE '60), Greensboro, N.C., 2/2/14.
Edward T. Diehl (EE), Richmond, Va., 3/9/14.

William T. Mefford (ME), Lexington, S.C., 1/16/14.
Lawrence W. Moore II (BIOL), Blacksburg, Va., 2/21/14.
Samuel D. Shaffer (CERE '60), Dublin, Pa., 5/24/13.
Lawrence "Doc" J. Watson (ME), Cedar Point, Texas, 2/25/14.

'60 Edwin "Duck" A. Darden III (BAD), West Palm Beach, Fla., 2/28/14.
Ralph J. Wimmer (EDBS), Boones Mill, Va., 3/25/14.

'61 Roger G. Gibbs (BAD), North Myrtle Beach, S.C., 2/4/14.
Walter "Boogie" M. Harris (BAD), Ewa Beach, Hawaii, 6/3/13.
Walter E. Johnston (ME '62), Raleigh, N.C., 3/1/14.
Edwin L. Tucker (EE), Wilmington, N.C., 12/1/13.
Peter M. Watts (BAD), Petersburg, Va., 3/21/14.

'62 Richard L. Booth (CHE '63), Erwin, Tenn., 1/16/14.
Nancy M. Moore Chapman (HNF), Winchester, Va., 1/24/14.
R. Lowell Wine (GHEC), Blacksburg, Va., 1/22/14.

'63 D. Bruce Cahilly (ANSC), Coudersport, Pa., 1/22/14.
Charles H. Carson Jr. (EE), Chesapeake, Va., 1/3/14.
George W. Crenshaw Jr. (BIOL '66), Kilmarnock, Va., 4/13/13.

Michael R. Hatcher (STAT), Newport News, Va., 2/19/14.
Rollin "Ron" E. Wehman (EE), Fredericksburg, Va., 2/19/14.

'64 John O. Lampkin Jr. (EE), North East, Pa., 1/11/14.
Lewis R. Owen (BAD), Oak Ridge, N.C., 3/17/14.
J.G. Tizen (MGT), Cedar Bluff, Va., 2/15/14.

Three Hokies selected in NFL draft

As evidenced in these Class Notes pages, plenty of Hokies are going pro—and some of them are going pro on the football field. With the 14th pick in the NFL draft, the Chicago Bears selected defensive back Kyle Fuller (finance '14). The Arizona Cardinals tapped quarterback Logan Thomas (human development '12) in the fourth round, and the Minnesota Vikings picked up defensive back Antone Exum (finance '12) in the sixth round. Including this latest trio of Hokies, 91 players have been drafted to the NFL during Coach Frank Beamer's tenure.

'65 Irving M. Blank (PAD), Richmond, Va., is vice president of the Virginia Law Foundation and was named one of Virginia's Super Lawyers for 2014.

Steven Garland (FW), Rogersville, Ala., 1/11/14.
F. David Magill Jr. (IEOR '66), Houston, Texas, 1/19/14.
George H. Sheetz (PSCI), Edinburg, Va., 3/15/14.

'66 Dale H. Jackson (EE '70, EE '70), Glen Allen, Va., 2/27/14.
Joseph L. Mauck Jr. (AGED '67, EDAD '73), Lincoln, Va., 3/13/14.
Jim F. Melton (BAD), Fort White, Fla., 2/4/14.
Richard A. Reese (ACCT '67), Chesterfield, Va., 12/23/13.

'67 John D. Irvin (MGT '68), Cumming, Ga., retired after 42 years of service in the hotel and resort industry. He was awarded Historic Hotels of America's Lifetime Achievement Award.
Robert S. Miller III (CE), Virginia Beach, Va., is president of the MATH-COUNTS Foundation.

Eric L. Hurt (ECON), Yorktown, Va., 12/20/13.
George H. Robinson (ASE), Star Tannery, Va., 7/31/13.
M. Timothy Ward (MKTG), Alexandria, Va., 1/6/14.

'68 Vinod Chachra (IE, IE '71), Blacksburg, Va., was honored with a House joint resolution in the Virginia legislature.

Norman F. Dillon Jr. (MGT '69), Danville, Va., 2/7/14.
Floyd S. Kay Jr. (FW), Sun City, Ariz., 3/2/13.
Alexander C. Klieforth (MATH), Washington, D.C., 3/5/14.

'69 D.H. "Don" Horsley (ANSC '70), Virginia Beach, Va., was inducted into the College of Agriculture and Life Sciences Hall of Fame.

John L. Hutcherson (CE), Mechanicsville, Va., 12/29/13.
R.D. "Jinx" Jenkins (CE), Shelby, N.C., 12/28/13.
T.A. "Tom" Purdham (ACCT '70), Woodbridge, Va., 1/13/14.
Nelson R. Ring (IAED, EDVT '73), Gaithersburg, Md., 12/31/13.
Dorothy A. Anderson Savedge (HEED '70), Waverly, Va., 1/15/14.
A.G. "Butch" Steiner Jr. (ANSC), Warrenton, Va., 3/6/14.

'70 Robert T. Bair (BAD), Beckley, W.Va., 10/19/13.
G.G. Cole (ANSC), Orange, Va., 2/18/14.
J.E. "John" Green III (FW), Steinhatchee, Fla., 1/25/14.
Ronnie R. Henk (EM), Williamsburg, Va., 12/28/13.

'71 J. Madison "J.M." Drake (ASE), New Orleans, La., 2/3/14.
C. Odell Sexton (MGT), Marion, Va., 1/8/14.

'72 Steven G. Lindorff (URPL '73), Atlantic Beach, Fla., was named to the American Institute of Certified Planners' College of Fellows for his achievements in urban planning professional practice.

Ronald K. Clark (ME), Live Oak, Fla., 11/26/13.
Benjamin F. Critzer (SOC), Mount Sidney, Va., 1/10/14.



Courtney Danto Merrell '04 and Ryan C. Merrell '05, '09, Fairfax, Va., a daughter, Madison, 11/29/13. Photo courtesy of Nicola Garcia, Pumpkin Patch Photography.

Kenneth B. Cruise (EE '75), Smithville, Texas, 1/8/14.
Leonard F. Ruggiero (FW), Victor, Mont., 5/20/13.

'73 Linda A. Shumate Casey (FW '74), Richmond, Va., retired as a state forester with the Alabama Forestry Commission.

George Coleman Jr. (MKTG), Midlothian, Va., 7/13/13.
Gordon C. McGahuey (ME), Concord, Va., 9/10/13.
David B. Nash (HORT '74), Springfield, Va., 2/15/14.
W. Donald Williams (EDAD), Huntington, W.V., 12/4/13.

'74 Frank A. Camp III (ZOO '75), Plano, Texas, is managing director of the City of Dallas' Office of Environmental Quality.
A. Jack Davis (ARCH, ARCH '76), Blacksburg, Va., is president of the Virginia Society of the American Institute of Architects.

Harris C. Crumpton (DE), Oakwood, Va., 8/28/13.
Jean G. Gash Probinsky (EDSP), North Port, Fla., 2/20/14.
Jack A. Robey (FW), Harrisonburg, Va., 10/10/13.
Donald L. Waldron (EDAD '75), Peterstown, W.Va., 1/30/14.

'75 Barry S. Parks (BIOL), Lovettsville, Va., retired after a 30-year career with the U.S. Department of Energy and the U.S. Environmental Protection Agency.

Michael K. McSherry (EE), Chantilly, Va., 1/12/14.
Robert Snell (MEDT), North Kingstown, R.I., 2/25/14.
John M. Sudol (ETC '77), San Diego, Calif., 1/13/14.
Mary T. Tuttle (PSYC), Arlington, Va., 1/16/14.
John T. Waybright (PHYS '76), Blacksburg, Va., 2/2/14.



Sandy Nagy Brewer '04, '07 and Seth P. Brewer '07, Blue Ridge, Va., a daughter, Cameron, 11/29/12

'76 Tharena A. Brooks (EDCI), Naples, Fla., 2/12/14.
Mildred M. Mintz Chrismer (HNF '77), Pawleys Island, S.C., 3/16/14.
Bob R. Fleming (EDVT '77), Spotsylvania, Va., 3/27/13.
Lee Haislip III (MGT, EE '81), Waterford, Va., 2/5/14.
Charles P. Hope III (ANSC), Abingdon, Va., 11/4/13.

'77 Clifford A. Frohn Jr. (MGT), Savannah, Ga., retired as senior vice president with Wells Fargo Home Mortgage.

Hokies display "Intrepid Spirit"

A number of Hokies with Turner Construction Co. played a pivotal role in the creation of Intrepid Spirit, a clinic for treating traumatic brain injuries and post-traumatic stress disorder. The Ft. Belvoir, Virginia, facility—built entirely with donated funds—is a part of what will be a network of clinics connected to the National Intrepid Center of Excellence, a Department of Defense institute. At the grand opening in 2013, actor Gary Sinise (center) posed with (from left to right) project engineer Kripa Iyer (M.S. architecture '04), project executive Gary Ball (who has pursued graduate studies in civil engineering), assistant engineer Emily Belote (architecture '10, M.S. building construction '12, M.B.A. '12), and project superintendent Peter Kapsidelis (civil engineering '03, M.S. '05). Other Hokies on the Turner team who aren't pictured include project accountant Patrick O'Leary (finance '08), pre-construction/building information modeling manager Drew Kelleher (civil engineering '03, M.S. '04), and vice president and senior operations manager H. Benjamin Short (building construction '77). Photo courtesy of Ron Maxwell, Ft. Belvoir Department of Public Works.



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David E. Neumann (ARCH), Washington, D.C., was elected to the American Institute of Architects' College of Fellows.

James "Bo" E. Hylton (MINE), Eden, N.C., 3/19/14.

Thomas O. Major Jr. (MGT), Mechanicsville, Va., 2/11/14.

Michael J. Mason (FW), Indianola, Iowa, 2/24/14.

John D. Miller (ZOO '78), Ponte Vedra Beach, Fla., 1/20/14.

Rex A. Rohweder (ETE), Leonardo, N.J., 1/3/14.

'78 Christopher E. Mandel (MGT), Nashville, Tenn., was named a Risk and Insurance Management Society Inc. Fellow and appointed to the boards of the Captive Insurance Group of New Jersey and the Association for Responsible Alternatives to Workers Compensation.

David M. Coffey (EDVT), Bowling Green, Ky., 3/20/14.

Linda A. Cyphers (EDCI), Yorktown, Va., 7/25/13.

Louise J. Miles (ARCH), Alexandria, Va., 1/28/14.

'79 Deborah L. Floyd (EDCC), Fort Lauderdale, Fla., was named interim dean of the Graduate College and professor of higher education at Florida Atlantic University.

Michael L. O'Reilly (BC), Fort Collins, Colo., received Colorado State University's 2014 Best Teacher Award.

Robert P. Burton (FIN, BAD '84), Roanoke, Va., 3/13/13.

Arthur L. McGinley (PSCD), Concord, Tenn., 3/8/14.

Morse R. Olin (BIOL), Ashland, Va., 12/26/13.

'80 Scott A. Bennett (ACCT), Valrico, Fla., retired from the Navy after 28-plus years of service and is now director of commercial training services for ACADEMI Consulting Services.

Neil A. Carter (ARCH), Santa Fe, N.M., 11/29/13.

Jeffrey E. Riggs (ACCT), Midlothian, Va., 1/20/14.

'81 Karen Brenner (ARCH '82), New York City, N.Y., has joined architecture firm LABO LLC.

David B. Lavery (CS), Herndon, Va., received a 2013 Samuel J. Heyman Service of America Medal from President Barack Obama.

'82 Susan E. Mittereder (EDAD, EDAD '84), Haymarket, Va., retired as Fairfax County legislative director and was honored by the local board of supervisors and the General Assembly for her 30 years of service.

Donald A. Peccia (EDAD), Cockeysville, Md., 2/25/14.

Bonnie R. Roberts Penney (MKTG), Deltaville, Va., 2/12/14.

'83 Stephen A. Bates (ARCH), New Freedom, Pa., was elected president of Marshall Craft Associates Inc.

Merrill A. Messick III (ARCH), Bel Air, Md., was elected vice president and treasurer of Marshall Craft Associates Inc.

Timothy P. Roche (GEOP), Dulles, Va., is consul general at the U.S. Interests Section in Havana, Cuba.

'84 Robert D. Cryer (ME), Erie, Pa., is director of internal combustion engines for MPR Associates in Alexandria, Va.

James F. Dickerson (FW), Zion Crossroads, Va., leads the home, farm, land, and investment real estate division with Charlottesville Solutions.

Steven N. Moyer (FIW), Reston, Va., was elected to the National Fresh Water Fishing's Hall of Fame.

James N. Strawbridge (IEOR), Los Altos, Calif., is a corporate attorney for Cooley.

Lisa G. Miller Lohr (FCD, EDAD '89), Orange, Va., 2/19/14.

'85 Tina L. Hyman Cook (ELED, EDCI '04), Saltville, Va., was named 2014 Virginia Region 7 Teacher of the Year.

Karen A. Campbell (HIST), Mount Airy, N.C., 2/19/14.

Dana E. Markham Short (ARCH), Arlington, Va., 3/2/14.

'86 Dushan Boroyevich (EE), Blacksburg, Va., was elected to the National Academy of Engineering.

Charles A. Kilpatrick (CE), Fredericksburg, Va., was appointed commissioner of the Virginia Department of Transportation by Gov. Terry McAuliffe.

Barbara A. Knuth (FIW), Ithaca, N.Y., was named chairwoman-elect of the Council of Graduate Schools at Cornell University.

Bettina K. Ring (FW), College Park, Md., was named Virginia State Forester by Gov. Terry McAuliffe.

Kevin B. Sullivan (ARCH '87), Weston, Mass., is president and CEO of Payette, an architecture firm.

Barbara L. Lineweaver Clouse (CE), Blacksburg, Va., 1/30/14.

Lisa M. Etheridge (MGT), Richmond, Va., 4/15/13.

C. Kent Kunkel (MKED), Dallas, Texas, 11/28/13.

Steven F. Parr (CS), Columbia, Md., 2/28/14.

E. Bryan Wilson II (IEOR), Aroda, Va., 1/31/14.



Shaping the Net

by ALEX BARUCH

The chair of the Internet Architecture Board (IAB), Russ Housley (computer science '82), is quick to acknowledge that "no one is in charge of the Internet."

Still, Housley comes closer than most. The IAB oversees the Internet's technical and engineering development, as an activity of the Internet Society, a global nonprofit organization that promotes online standards, education, and policy.

Elected IAB chair in 2013, Housley is a security systems consultant who founded Vigil Security in 2002. From 2007 to 2013, he served as chair of the Internet Engineering Task Force (IETF), the group responsible for the protocol standards that allow the Internet to work. At IAB, Housley monitors the technical evolution of the Internet. "The IAB is focused more on technology than policy," Housley said. "However, what we have learned is that technology-savvy people need to speak out and participate in discussions about Internet policy."

Housley and current IETF chair Jari Arkko recently visited the White House. "We provided the cybersecurity coordinator [with] the perspective of the technical community on several topics related to Internet governance," Housley said.

"When I was a recent graduate from Virginia Tech, my goal was to manage a small programming team," Housley said. "My vision was never to be invited to the White House to talk about policy of the Internet. It has been a very fulfilling career evolution."

Alex Baruch (M.P.A. '14) was a graduate assistant in University Relations.

'87 James H. Booterbaugh (ESM), Chapel Hill, N.C., is president of National Spinning Co. Inc.

Thomas P. Houghtaling (EDSC), Richmond, Va., 12/8/13.

'88 Michael G. Lytton (AE), Eugene, Ore., 2/21/14.

'89 LaDell W. Wright Lockwood (COMM), Cherry Hill, N.J., is a communications consultant IV for the Washington State Department of Services for the Blind.

Shawn T. Taylor Zelman (PSYC), Leesburg, Va., earned a doctorate in organization and management from Capella University.



Lane Kreitlow '04

Insects as evidence

The most common cock-tail party question for entomologists, who study insects: What's the best way to exterminate them?

The work of Kimberly Lane Kreitlow (Ph.D. entomology '04) turns that question on its head. Instead of killing bugs, she uses them to answer questions about dead people.

Kreitlow is a forensic entomologist who occasionally

aids investigators and serves as a witness in criminal and civil cases. Her work usually means determining how long a body has been dead through identifying what insects are present and where they stand in a successional cycle.

"You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive," Kreitlow said. "If you have photo evidence there were insects involved, you can use that to sometimes garner a window of time when a person died."

The age of a body matters both for criminal cases and for civil matters such as determining an inheritance. Forensic entomology also factors into issues such as whether to award disability pay for a bee sting or how the presence of termites affects a home sale.

To date, Kreitlow has participated in 17 legal cases and written a chapter of the 2010 book "Forensic Entomology: The Utility of Arthropods in Legal Investigations."

The adjunct assistant professor at North Carolina State University has taught forensic entomology for several years and received the Virginia Tech College of Agriculture and Life Sciences Outstanding Recent Alumni Award in April.

Kreitlow originally came to Tech with the intention of studying bees with Richard Fell, professor emeritus in the entomology department. In a fortuitous coincidence, her interests shifted to forensic entomology just as Fell had started working with the Roanoke medical examiner. He quickly approved Kreitlow's new Ph.D. program, and thereafter they periodically jointly fielded requests from the medical examiner.

"When I first started, I didn't think there would be a time I'd have to go collect insects off a dead body," Kreitlow said. "Nothing can prepare you for that, no matter how much field-work and research you've done. It really imprints on your memory."

'90 **Crystal D. Collier** (ENGL, ENGL '92), Alexandria, Va., is CEO of CX Act, formerly known as TARP Worldwide.

Evan S. Fiedler (BIOL), Virginia Beach, Va., wrote, edited, and published several e-books individually and with other authors. The most recent is entitled "Sister Surrendered."

'91 **Scott E. Beller** (COMM), Arlington, Va., wrote a book entitled "Beggars or Angels."

David A. Long (ESM, SYSE '92), Blacksburg, Va., is president of the International Council on Systems Engineering.

Scott A. Mathias (COMM), Reston, Va., produced an independent feature-length film, "Rise of the Fellowship."

'93 **Jess W. Jones** (PSYC, FW '96, FIW '04, FIW '09), Blacksburg, Va., received the Rachel Carson Award for Scientific Excellence from the U. S. Fish and Wildlife Service.

Jesse B. Brown (BC) and Cindy Brown, Atlanta, Ga., a daughter, 7/9/13.

Susanna M. Schorn (CE, CE '96), Oak Ridge, Tenn., 12/26/13.

'94 **Brian G. Bosworth** (FIW), Cleveland, Miss., earned the 2013 North American Journal of Aquaculture Best Paper Award.

Matthew J. Campen (PSYC, BIOC), Albuquerque, N.M., received the 2014 Society of Toxicology Achievement Award.

Rickie D. Rudd (EDVT), Blacksburg, Va., was reappointed by the Virginia Tech Board of Visitors as the Virginia Cooperative Extension Chair of Excellence in Community Viability.

Ann M. Burnley (EDAC), Roanoke, Va., 2/20/14.

Catherine A. Elliott (EDCI), Narrows, Va., 1/27/14.

'95 **Kory C. Brendsel** (MKTG), Woodbridge, Va., was selected to attend the Dwight D. Eisenhower School of National Security and Resource Strategy at the National Defense University.

Barry I. Matherly (URPL), Richmond, Va., was elected as the International Economic Development Council's secretary and treasurer.

Nima Sharifi (BIOL), Dallas, Texas, was recognized with the American Association for Cancer Research's 2014 Award for Outstanding Achievement in Cancer Research.

Gregory A. Grider (MKTG '96), Cleveland, Tenn., 1/23/14.

'96 **Becky C. Bareford** (FIN), Saint Stephens Church, Va., was promoted to senior vice president for Richmond's Federal Reserve Bank.

Jennifer R. deVoure (CHEM), Falls Church, Va., is working in patent law from home and is a Pampered Chef consultant.

Charles C. Esslinger (ISE), Smyrna, Ga., is owner of Westside Engineering, a consulting engineering firm.

Jennifer Burt Kibler (ISE, ISE '99) and **Kemper S. Kibler Jr.** (EE '01), Poquoson, Va., 3/30/14.

Camille C. Chapman Cunningham (LASC), Charlotte, N.C., a son, 2/21/14.

John W. Ott (CSA), Columbia, Md., 2/8/13.

'97 **Robert S. Notte** (CE), Cornelius, N.C., was promoted to vice president at the Dewberry firm in Charlotte, N.C.

'98 **Tara L. Beresick** (APSC, EDVT '99), Grahamsville, N.Y., was named the Association of Career and Technical Educators' 2014 National Career and Technical Education Teacher of the Year.

Sarah K. Bridges (PSCI), Mechanicsville, Va., is counsel for Hunton & Williams LLP.

David G. Hieber (CE), Fairfax, Va., is an adjunct professor of civil engineering at George Mason University.

Beatrice C. Kilel (HORT '92, HORT '94), Frederick, Md., has written many reference and study guides on the topics of teen and tween informatics in STEM education.

Robin C. McLean (EDVT), Mount Holly, N.J., was named Association of Career and Technical Educators' 2013 National Career and Technical Education Teacher of the Year.

Harry A. Hogan (ENSC) and **Laura H. Hawpe Hogan** (FW), Springfield, Va., a daughter, 6/18/13.

Alain M. Dempsey (EE), Yorktown, Va., 2/16/14.

'99 **D.S. Horsley** (APSC, APSC '02), Virginia Beach, Va., was inducted into the College of Agriculture and Life Sciences Hall of Fame.

'00 **Keesha A. Steed** (BIOL, BIOL '03), Newark, Del., wrote her first book, "We Can't Do It."

Jason W. Bowers (AT) and **Catherine A. Fraga Bowers** (APSC '02, VM '09), Frederick, Md., a son, 11/20/13.

Kimberly D. Dail Forbes (PUA), Chesapeake, Va., a son, 4/30/13.

Mary H. Gibson (APSC) and **Jason M. Beydler** (AAEC '03), Charles City, Va., a daughter, 2/23/14.

Matthew D. Lacy (MGT) and **Sally M. Miles Lacy** (MKTG '03), Plainview, Va., a daughter, 10/10/13.

'01 **Matthew D. Chan** (FIW), Hillsboro, Ore., was named assistant vice president and west hydropower operations manager for Parsons Brinckerhoff's western U. S. region.

Gregory K. Brown (CE) and **Laura M. Kvech-Brown** (HIST '01), Smithfield, Va., a son, 9/22/13.

'02 **Matthew R. Cook** (HNFE '03), Osaka, Japan, was elected chairman of the National Association for Japan Exchange and Teaching and

named a senior staff member at the Osaka Prefectural Board of Education.

B.R. Horsley (APSC, APSC '04), Virginia Beach, Va., was inducted into the College of Agriculture and Life Sciences Hall of Fame.

Heidi S. Leming (ELPS), Brunswick, Ga., a son, 7/15/13.

'03 **Emily C. Winslow Lilly** (PSCI), White Oak, W.Va., received the Distinguished Honor Graduate award at Officer Candidate School in Ft. McClellan, Ala., and also the West Virginia Army National Guard Achievement Medal.

Christina K. Kull Martens (ENSC, ESEN '05, MUS '06), Redondo Beach, Calif., received the County of Los Angeles Chairman's Green Leadership Award for her effort to improve environmental sustainability in the community.

'04 **Kimberly L. Kreitlow** (ENT), Apex, N.C., received the Virginia Tech College of Agriculture and Life Sciences Outstanding Recent Alumni Award.

Anthony V. Scardina (PAPA, FOR), Hurley, Wis., is forest supervisor for Wayne National Forest.

Alisha H. Hunt Consroe (BIOL) and **Jeff D. Consroe** (ME '05), Salem, Va., a daughter, 11/6/13.

Eric M. Frady (CE) and **Amy C. Coddington Frady** (HNFE '05), Springfield, Va., a son, 1/6/14.

Courtney D. Danto Merrell (MKTG) and **Ryan C. Merrell** (HORT '05, BAD '09), Fairfax, Va., a daughter, 11/29/13.

Matthew R. Parks (CPE, CPE '06), Chesapeake Beach, Md., a daughter, 2/23/14.

Nicholas J. Pascale (PSCI) and **Tara D. Zebrowski Pascale** (SPAN '05), Manassas Park, Va., a son, 1/8/14.

Eric C. Rommell (FIN) and **Jacqueline K. Rommell** (CHEM), Great Falls, Va., a daughter, 1/3/14.

'05 **Adam L. Worcester** (MKTG), Richmond, Va., started a small craft brewery.

April D. DeLossantos MacDonald (PSYC, COMM) and **Kenneth MacDonald**, Virginia Beach, Va., 12/26/13.

Diana P. Piersol Ditty (BIOL) and **Richard L. Ditty II** (EE '10), Virginia Beach, Va., a son, 6/22/13.

Robert A. Coppock (EDCI), Falls Church, Va., 2/14/14.

'06 **Nathan A. Lahy** (LAR), Chesapeake, Va., earned a Virginia landscape architect license.

Kaitlin W. Wilson Phucas (ME) and **Nicholas C. Phucas** (ME), Gainesville, Va., a son, 1/29/14.

John D. Wilburn (FORS, FOR '12), Grants Pass, Ore., 3/9/14.

'07 **Andrew P. McCoy** (BCSM), Blacksburg, Va., was recognized by Engineering News-Record, a construction industry publication, as one of the Top 20 Under 40 in the mid-Atlantic region.

John D. Medlock (COMM), Bloomington, Ind., helped produce the film "Rise of the Fellowship."

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Steven Rich (communication '11) was part of a Washington Post reporting team that in April won the Pulitzer for Public Service for six months of reporting on the National Security Agency (NSA) and the intelligence community. The team included 33 staffers whose reporting helped spark a national discussion about the balance between individual privacy and national security. Rich is the database editor for the Post's investigative unit, and he was included in a three-reporter byline for a story headlined "Files show NSA targeted Tor encrypted network" that ran Oct. 5, 2013. The Post series examined documents leaked by former NSA contractor Edward Snowden.

Chase R. Sisk (ENGL), Lebanon, Va., received a master's degree in English and creative writing from Southern New Hampshire University.

Sarah R. Williams (PSYC), Baltimore, Md., received a doctorate in clinical psychology from the University of Louisville and accepted a postdoctoral fellowship with the Division of Child and Adolescent Psychiatry at The Johns Hopkins University School of Medicine.

Derek A. Davis (MKTG), Yorktown, Va., a son, 12/21/13.

Megan O. Ott Garrison (MKTG), Aldie, Va., a daughter, 2/23/14.

'08 Justin R. Jordan (PSYC, EDCO '11) and **Leslie H. Hetrick Jordan** (IDST '10, EDCI '11), Christiansburg, Va., 9/24/13.

Andrew D. Taylor (ME) and **Cherie W. Wood Taylor** (ARTF), Ashburn, Va., 9/28/13.

Jonathan A. Clifton (COMM), Chesterfield, Va., a son, 12/20/12.

'09 David J. Jingleleski (AE, AE '12), Claymont, Del., is employed at the Naval Air Warfare Center Weapons Division at China Lake in California.

Kate G. Griffin Pierce (BIOL) and **Jonathan S. Pierce** (BIOL '10), Winston-Salem, N.C., 8/10/13.

Emily C. Morrison (ECAS), Flemington, N.J., 3/1/14.

'10 Pamela C. Smart-Smith (EDCI), Roanoke, Va., is assistant director for academics at the Virginia Tech Language and Culture Institute.

'11 Joshua H. Beach (MKTG), Blacksburg, Va., 1/5/14.

'12 Timothy R. Kzinowek (BCHM), Blacksburg, Va., 12/20/13.

'13 Alyssa F. Bedrosian (SPAN, COMM), Greensboro, N.C., is the communications manager for RLF Communications.

Laina N. Schneider (CSES), Blacksburg, Va., developed and implemented an outdoor stove for the Hale-Y Community Gardens.

obituaries

faculty/staff

Sam G. Riley III, professor of communication in the College of Liberal Arts and Human Sciences at Virginia Tech, died March 19. A member of the Virginia Tech faculty since 1981, Riley taught undergraduate and graduate courses in journalism, magazine writing, history of mass media, communications law, travel writing, public speaking, and more. Riley wrote numerous books and editorials for national and Virginia newspapers.

Lt. Gen. Howard M. Lane Sr. U.S. Air Force (retired), who served as Corps of Cadets commandant from 1980 to 1989, died May 2. Lane enlisted in the Army Air Corps in 1942 and became a highly decorated fighter pilot who flew combat missions in World War II, Korea, and Vietnam. He went on to a command position at Air Force Flight Test Center at Edwards Air Force Base, California, and retired from active duty in 1980.

Geza Ifju, professor emeritus and founding head of the Department of Wood Science and Forest Products in the College of Natural Resources and Environment, died May 15. Born in Hungary, Ifju earned a bachelor's degree from the University of British Columbia, a master's degree in wood technology from Yale University, and a doctorate in wood science from the University of British Columbia in 1963. He joined the Tech faculty in 1964, built a career in wood science and education, and led the department for 22 years.

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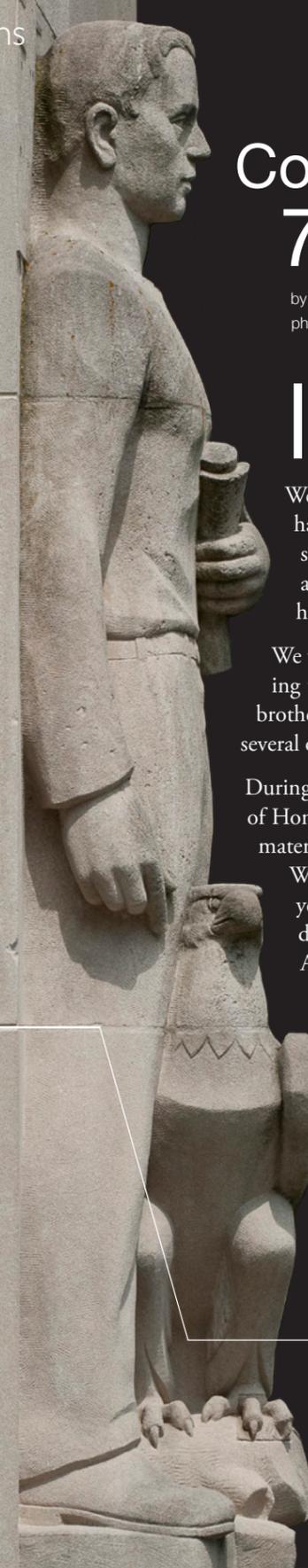
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Commemorating the 70th Anniversary of D-Day

by ROBERT F. ALLNUTT '57
photo by MICHAEL KIERNAN

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J. L. PARR 42
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J. L. PHILLIPS JR. 31
G. H. PIERPONT 40
A. R. PORTERFIELD 38
W. C. PRANCE 39
R. E. QUARLES JR. 46
J. K. RAINIER 35
R. W. RAUP 41
D. C. RENICK JR. 42



In June 2012, my wife, Jan, and I spent a couple of weeks in Paris and then rented a car and drove over to Normandy, where we had never been, for a few days.

We had hired a guide for our first full day there. Bertrand spoke good English and had a terrific command of facts and figures. He had arranged the day in perfect sequence—brief looks at American tanks and a Canadian cemetery, a walk through a German cemetery, and an hour or so in a town where American paratroopers had landed by fatal mistake in the midst of German troops.

We visited the American beaches of Utah, Pointe du Hoc, and Omaha before seeing the huge and moving American cemetery, where he pointed out the graves of brothers Teddy Roosevelt Jr. and Quentin Roosevelt (a World War I casualty), and several others among the thousands of deceased.

During the day, Bertrand mentioned that three Americans who had received the Medal of Honor were buried in the cemetery. This reminded me of two men from my alma mater, Virginia Tech, who had been awarded the medal for action in Europe during World War II. Dorms built soon after the war were named for them. Fifty-five years ago, I lived in one—Femoyer Hall—but I could not remember the other dorm's name or where either of these men had earned his medal. [Editor's note: A third residence hall, Thomas Hall, memorializes Medal of Honor recipient Herbert J. Thomas Jr., a 1941 alumnus who saw action against Japanese forces on the Solomon Islands.]

As we left the American cemetery rather exhausted at the end of a long day, Bertrand said, "We have a little more time. Would you like to see one more site?" Somewhat reluctantly, we each said yes.

He drove us to a high bluff at the east end of Omaha Beach, overlooking the entire beach. Here, the Germans had implanted bunkers and guns to rain down death on the "invaders." The Germans had been highly effective. (The view from one bunker is shown at upper right). As we walked up to the site, Bertrand said quietly, "This is where Monteith died."

Monteith. Of course. The dorm next to mine. First Lt. Jimmie Waters Monteith Jr. died on D-Day leading his 1st Division troops on that most fatal of all the landing beaches. His Medal of Honor citation, well worth reading, recites incredible, repeated acts of bravery on one short day, his last:

"For conspicuous gallantry and intrepidity above and beyond the call of duty on 6 June 1944, near Colleville-sur-Mer, France. 1st Lt. Monteith landed with the initial assault waves on the coast of France under heavy enemy fire.

Without regard to his own personal safety he continually moved up and down the beach reorganizing men for further assault. He then led the assault over a narrow protective ledge and across the flat, exposed terrain to the comparative safety of a cliff. Retracing his steps across the field to the beach, he moved over to where two tanks were buttoned up and blind under violent enemy artillery and machine gun fire. Completely exposed to the intense fire, 1st Lt. Monteith led the tanks on foot through a minefield and into firing positions. Under his direction several enemy positions were destroyed. He then rejoined his company and under his leadership his men captured an advantageous position on the hill. Supervising the defense of his newly won position against repeated vicious counterattacks, he continued to ignore his own personal safety, repeatedly crossing the 200 or 300 yards of open terrain under



(At left) Robert Allnutt '57 and his wife, Jan, took in a view of the coast of Normandy, France (above).

heavy fire to strengthen links in his defensive chain. When the enemy succeeded in completely surrounding 1st Lt. Monteith and his unit and while leading the fight out of the situation, 1st Lt. Monteith was killed by enemy fire. The courage, gallantry, and intrepid leadership displayed by 1st Lt. Monteith is worthy of emulation."

For me, crossing Monteith's path was an exclamation point on a most memorable day. □

During his career, Robert F. Allnutt (industrial engineering '57), a member of the College of Engineering's Committee of 100, held leadership roles in NASA and the energy, pharmaceutical, and communications industries.

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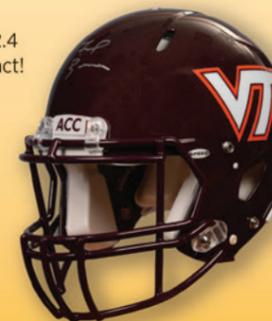
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Travis Whaley is the first Virginia Tech student ever accepted to compete in the International Johann Sebastian Bach Competition, which, in July, brings some of the world's top young musicians to Leipzig, Germany. He is also one of only 45 pianists chosen for the prestigious event, which was established in 1950.

After his very first visit to campus, Travis knew he wanted to be a Hokie. But choosing Virginia Tech over several renowned music conservatories was made even easier for him thanks to scholarships offered by University Honors and the music program. That assistance, made possible by donations, allows Travis to focus on his education and take advantage of opportunities to travel and compete.

To learn more about how philanthropy helps extraordinary students like Travis, or to make your own gift to Virginia Tech, please visit www.givingto.vt.edu.

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At the farewell reception for outgoing President Charles W. Steger in May, University Distinguished Professor Nikki Giovanni paid tribute with a poem.



It takes courage
For a son of the old south
To helm his beloved university

There is a Future Shore to reach

It must have been the courage learned
By calling again and again
On a certain young lady
Who finally moved
Much much closer
Then closer still
And now after jobsmortgageschildrenandstuff
As close as a good partner is

That courage to let
Others partner
As they see fit
Without renouncement

It's that courage to say
We have to expand
To make this good university
A great institution

The courage to say
We must diversify:
The past is good
But not good
Enough

There can't always be
A Clarion call
A rousing phrase
A push back on horror
Sometimes it's just that first smile

Suggesting "Can this...poetry thing live"
And the Answer is "Yes"

Understanding Poetry is What
We all do no matter What
We call it

Didn't Miles Davis remind John Coltrane:
Always Play the Blues?

We Love You
Bannered our April 16th spirits around your office
Allowing you to listen
To your heart and stay
Strong for all of us

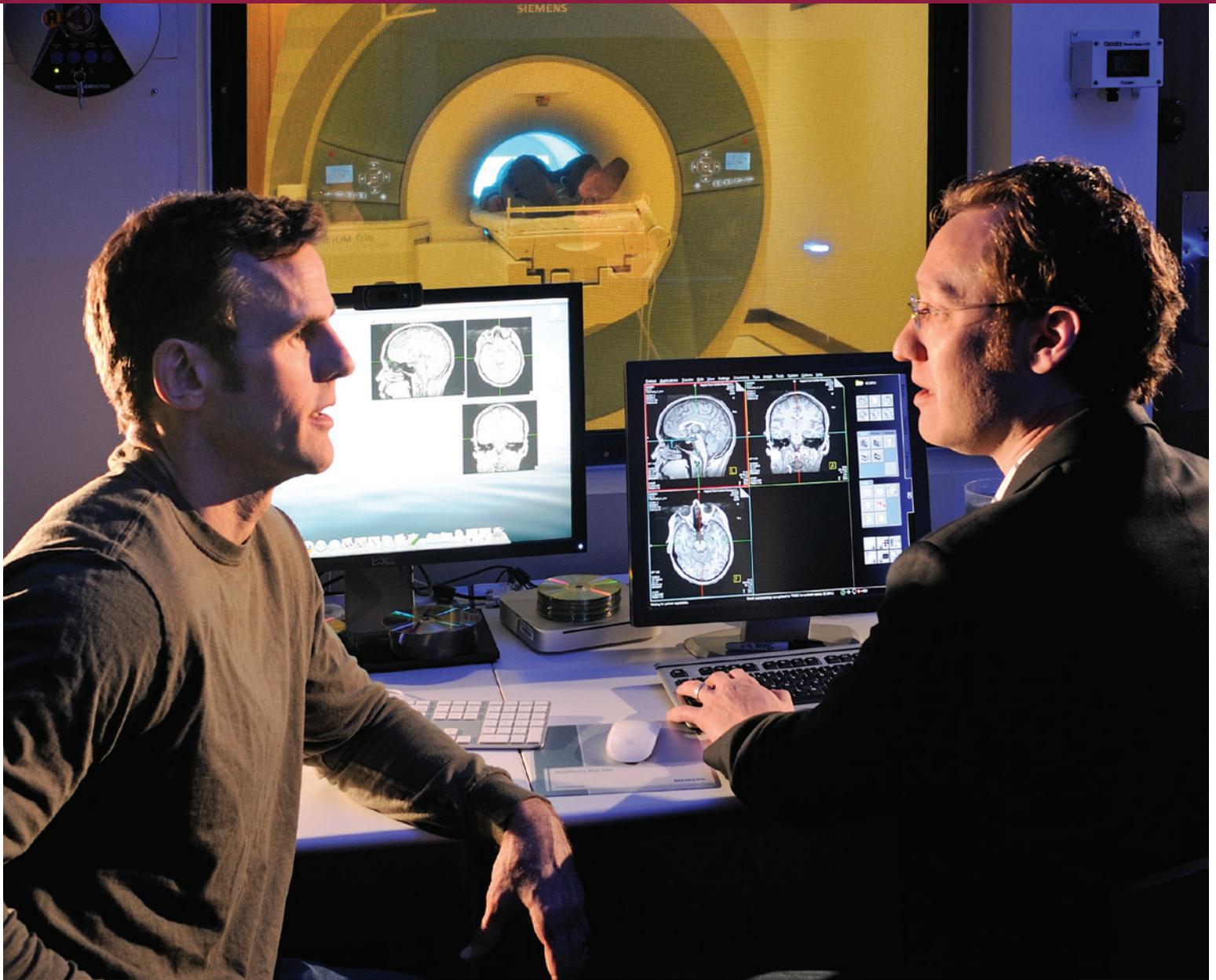
It is we who cannot issue a clarion call
Today but rather simply sound
The trumpet to declare:
It Was A Great Ride
This Virginia Tech of Steger
A Great Ride

—Nikki Giovanni is a University Distinguished Professor.

Performed:

To hear Giovanni read her poem and to see a farewell video honoring Steger, visit www.vtmag.vt.edu.

LOGAN WALLACE



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