

# SPECTRUM

Virginia  
Tech  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

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## CAUS restructuring forms two new schools

By Sarah Newbill

The College of Architecture and Urban Studies (CAUS) is tightening its structure and combining several existing programs and departments into two new schools and adding several new programs into the mix. The two schools will be named The School of Architecture + Design and The School of Public and International Affairs.

The School of Architecture + Design will be led by Interim Director Frank Weiner, who has headed the architecture department since 1997. Foundation, professional, and graduate architecture, as well as industrial design and interior design comprise the five academic program areas in the school. Its establishment will strengthen the presence of the professional and design disciplines at Virginia Tech and will result in a more comprehensive and integrated set of related

professional curricula in architecture and design, fostering collaborative activities in the areas of design research and outreach, as well as increased sponsored-research activity. The school will create a more coherent identity for the architecture and design programs, serving to enhance interactions with the more-than-4,000 alumni associated with its programs.

Programs in the school will be based at the main Blacksburg campus and at the Washington-Alexandria Architecture Center in Alexandria. A studio program will also continue to be offered each semester at the university's Center for European Studies and Architecture in Riva San Vitale, Switzerland.

The architecture programs will include the foundation program chaired by Associate Professor Kathryn Albright, the professional program chaired by Associate Professor

Hunter Pittman, and the graduate program chaired by Professor Hans Rott. The industrial design program will be chaired by Professor Robert Dunay, and interior design will be chaired by a faculty team led by Associate Professor David Dugas.

The Architecture and Interior Design programs are currently ranked fourteenth and tenth respectively in the 2003 *Almanac of Architecture and Design*, published by *DesignIntelligence*. Since the establishment of the college in 1964, the Department of Architecture has grown to an enrollment of 905 students (as of fall 2002), making it one of the largest programs of its kind in the nation. The Industrial Design Program, now completing its tenth year of existence, began as a natural extension of activities in the architecture programs. In a very short time,

(See CAUS on 3)

## University holds its own in new college rankings

By Liz Crumbley

Virginia Tech's undergraduate program is again ranked among the top 100 in the nation, according to *U.S. News & World Report's* "America's Best Colleges 2004" survey released today.

The College of Engineering is ranked 17th—slight dip from last year's placement of fifteenth—among all the nation's engineering schools that offer doctorates. The college is ranked eleventh among engineering schools at public universities.

The college's industrial-engineering program, which has been ranked among the top 10 peer programs for several years, made it to the top five this year.

The rankings of engineering and business schools, which are included each year in the *U.S. News & World Report* undergraduate survey, are based solely on the assessments of deans and senior faculty members at peer institutions.

"In spite of the significant budget cuts that have been imposed on the Pamplin College, we are pleased to maintain our Best Business Programs peer-assessment score of 3.3, with a ranking of 39th nationally," said Richard E. Sorensen, dean of the Pamplin College of Business.

The Pamplin College shares the ranking with business schools at Boston University, Georgia State University, Syracuse University, Tulane University, University of Colorado-Boulder, and University of South Carolina-Columbia.

(See RANKINGS on 5)

## Tech creates supercomputer cluster

By Lynn Nystrom

Virginia Tech, teaming with Apple Computer, Cisco, Liebert, and Mellanox Technologies, is introducing a new, turnkey solution for creating supercomputing clusters. They are designing a large 64-bit InfiniBand cluster using existing, off-the-shelf industry components. The supercomputer will belong to Virginia Tech, significantly enhancing its research capabilities.

"Virginia Tech's idea was to develop a supercomputer of national prominence based upon a homegrown cluster," said Hassan Aref, dean of the College of Engineering and a former chief scientist at the San Diego Supercomputer Center.

The Virginia Tech team of engineers, computer experts, and officials selected Apple's new Power Mac, the G5, as the framework for the cluster. For months, the university worked with Apple to purchase and adapt the new machines as they rolled off the manufacturing line in August.

As they waited for the machines, Virginia Tech identified Mellanox, the leading provider of the InfiniBand semiconductor technology, to supply the primary communications fabric, drivers, cards, and switches for the project. The university asked Cisco Systems to join the enterprising effort. Cisco's Gigabit Ethernet switches were the choice for the secondary communications fabric to interconnect the cluster. Cisco provided a significant educational discount to support the project.

Virginia Tech needed a cooling system, and it worked with Liebert, a division of Emerson Network Power, known for its comprehensive range of protection systems

(See SUPERCOMPUTER on 3)

## Faculty/Staff Awards Ceremony Scheduled for September 19

**The Fourth Annual Faculty/Staff Awards Ceremony and President's Address will be Friday, Sept. 19, at 5 p.m. in the Donaldson Brown Hotel auditorium. The ceremony will give the university the opportunity to recognize some of Virginia Tech's most outstanding faculty and staff members. Highlighting the program will be an address by President Charles W. Steger.**

## Lane Stadium expansion approved by board

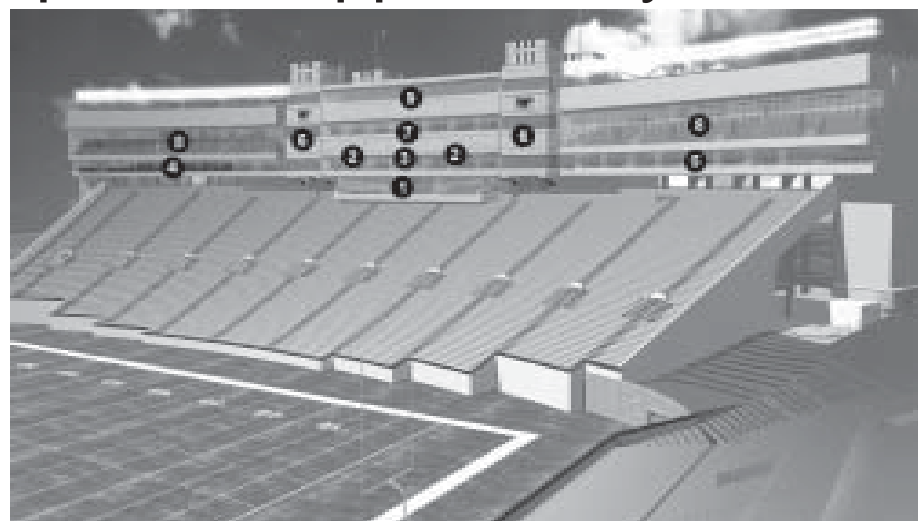
By Sarah Newbill

The ball is back in play in the stadium-expansion game. The Board of Visitors convened Monday and voted to pass the resolution authorizing the university to proceed with the bidding and construction of the west side of Lane Stadium.

During the 2002 legislative session the state gave authority to move forward with the expansion, but those plans were put on hold this past year for several reasons, ranging from overall cost feasibility, to rethinking the need for more seating, to how to effectively deal with the current press-box construction. The current plan, which has evolved for the past two years, will cost an estimated \$52.5 million—\$15 million of that in private donations, and the rest from self-generated revenue, with completion expected for the 2005 season.

The board heard from project designers with Moseley Architects and HOK who explained details of the expansion using a 38-

(See STADIUM on 5)



The expanded stadium will include new or renovated features, as denoted on the graphic above: 1. President's level, with nearly 200 seats; 2. first level of center suites; 3. booth for television broadcasts, 4. press box for print media, courtesy box for visiting athletic director, and a corporate box; 5. six north suites, athletic-director suite, head-coach suite; 6. four premium suites on the top two levels, one premium suite above broadcast booth; 7. six center suites like the level below, 8. two interior clubs with seating for 389 people on each side, 9. operations/ electronic media.

## ACHIEVERS

**Joe Sirgy**, professor of marketing in the Pamplin College of Business, has been elected distinguished quality-of-life researcher by the Board of Directors of the International Society for Quality-of-Life Studies. The award, the society's highest honor, is given in recognition of "demonstrated excellence in quality-of-life research over a lifetime."

Sirgy was scheduled to receive the award at the society's conference in Frankfurt, Germany in July. His research focuses on developing and/or refining theoretical and applied models in quality-of-life studies. His applied research has examined housing well being and real estate, quality of work life, leisure well being and tourism marketing, community quality of life and economic development, health-related quality of life and healthcare marketing, corporate social performance, and ethics codes development for business organizations.

**Shannon Jarrott**, human development, and **Alison Galway**, director of Adult Day Services, accepted the Outstanding Service-Learning Site Award on behalf of Virginia Tech Adult Day Services. The award was presented in April "for outstanding leadership and support" in integrating service-learners into research projects at Adult Day Services.

**Philip Kronenberg**, professor in the Center for Public Administration and Policy (CPAP), was awarded the James E. Webb Award of the American Society for Public Administration (ASPA) at its 64th national conference in Washington, D.C. in March.

The Webb Award is presented to the person giving the most outstanding paper at ASPA's annual national conference. Kronenberg won the award for his paper "Homeland Security and Public Administration Theory: The Hammer of September 11," presented at the national conference in Phoenix in March, 2002.

His research over the past decade has focused on applications of chaos and complexity theory to public policy and the study of crisis management and homeland security.

**Marcie Boucouvalas**, professor of Human Development in the Adult Learning and Human Resource Development Program at Virginia Tech's Northern Virginia Center, has been inducted into the International Adult and Continuing Education Hall of Fame. The Hall of Fame, located at the University of Oklahoma Kellogg Center in Norman, honors innovative leaders who have made distinguished national and international contributions in the field of adult education.

**Thomas H. Ollendick**, university distinguished professor and director of the Child Study Center in the Department of Psychology, was honored as the 2003 Arthur B. Richter visiting

professor of child psychiatry at the Department of Psychiatry, Indiana University School of Medicine. He presented the keynote address and three other invited addresses at a three-day conference centered upon his work on the assessment and treatment of phobic and anxiety disorders in children and adolescents. He has delivered related addresses recently in Sweden, Denmark, and Canada and is the featured speaker at an upcoming conference on Evidence-Based Practice in Psychology and Psychiatry in Norway.

**Patricia M. Dove**, associate professor, Department of Geological Sciences, was a keynote speaker on the topic of biomineralization at a symposium for International Scientific Cooperation sponsored by the Marcus Wallenberg Foundation at the Royal Swedish Academy of Science, Stockholm, Sweden.

**Tamim Younos**, interim director of the Virginia Water Resources Research Center, has been named "Friend of the Universities Council on Water Resources." The award was to be presented July 31 in Washington, D.C. during the awards dinner banquet at the annual UCOWR meeting.

Younos' name will be added to a list of distinguished friends, said past president Ari Michelsen of Texas A&M University. The award recognizes "outstanding and steadfast support."

UCOWR, founded in 1962, represents 86 U.S. universities and affiliates involved in education, research, and public service related to water resources. Younos served on the Board of Directors and now represents UCOWR on the Board of Directors of the Renewable Natural Resources Foundation.

**Ira Jacobs** of electrical and computer engineering received the Outstanding Service Award from the Institute of Electrical and Electronics Engineers (IEEE) Virginia Mountain Section (VMS). Jacobs has a long and active association with IEEE, a professional organization with more than 380,000 members in 150 nations. He was elected an IEEE fellow in 1981 and was named a life fellow in 1995. Jacobs also has served on a number of IEEE and VMS committees and for three years was associate editor of IEEE Photonics Technology. Currently he is editor of the VMS newsletter.

**France Belanger**, associate professor of accounting and information systems and director of the Pamplin College of Business Center for Global E-Commerce, gave a presentation, "Global Trends in the Knowledge-based Service Industry and E-Commerce" in May at a seminar in Seoul, South Korea, sponsored by the South Korean Ministry of Commerce, Industry, and Energy. Seminar participants, who included business

leaders, scholars, and policymakers, discussed trends in the world service industry and ways to make the most of the knowledge-based service industry to sustain economic growth. Belanger was recently named associate editor of the *Journal of Electronic Commerce in Organizations*.

**Barry O'Donnell**, associate director of the MBA program in the Pamplin College, was a co-presenter of a talk, "Initiative Challenge Programs: Developing Team Skills and Student Leadership," at the Graduate Management Admissions Council annual meeting in Dallas, Tex., in June. O'Donnell gave another presentation, "The SROB Model Approach for Teaching Behavioral Interviewing to MBAs," at the MBA Career Services Council in Park City, Utah, later that month.

**Muzzo Uysal**, professor of hospitality and tourism management, is one of two editors-in-chief of *Tourism Analysis*, which was ranked among the top-10 journals in its field in an article, "How Can Scientific Journal Quality Be Assessed? An Exploratory Study of Tourism and Hospitality Journals," in *Tourism*. Uysal is a founding editor of *Tourism Analysis*.

**Bill Cox**, professor and assistant department head of civil and environmental engineering, received the Water Resources Planning and Management Council Service to the Profession Award for 2003 during the American Society of Civil Engineers Environmental and Water Resources Institute conference, held in Philadelphia in June.

**Kayenda Johnson**, a Ph.D. student in industrial and systems engineering (ISE), has received a grant to present her research to the Institute of Electrical and Electronics Engineers (IEEE) Symposia on Human Centric Computing Languages and Environments in Auckland, New Zealand, in October. Johnson, who will address programming for the educationally disadvantaged, is one of only 11 people in the U.S. selected by the IEEE to receive travel grants for the conference. A student of ISE assistant professor **Tonya Smith-Jackson**, Johnson is designing human-computer interface metaphors for novice, disadvantaged and marginalized computer users.

**Robert E. Porter**, program-development manager in the Office of the Vice Provost for Research, had his article, "Facilitating Proposal Development: Helping Faculty Avoid Common Pitfalls," accepted for publication in the *Journal of Research Administration*.

**David Adam-Castrillo**, resident in equine surgery with the  
(See *ACHIEVERS* on 7)

## NEWSMAKERS

Virginia Tech faculty and staff members and students are often the subject of significant national and state-wide news coverage. To better inform the university community about these accomplishments, the Office of University Relations has compiled this monthly report. This report excludes coverage in the Roanoke news-media market.

**With Good Reason (Virginia Public Radio) (week of June 1)** Food Science and Technology Professor **Bruce Zoeklein** is the state enologist and he says Virginia's vineyards are thriving in part because they've mastered the "come-hither" factor.

**ABC Radio (June 9)** History Professor **William Ochsenwald** discussed the continued deterioration of efforts to bring peace between the Palestinians and Israel.

**With Good Reason (Virginia Public Radio) (week of June 29)** How will the news industry change, now that the Federal Communications Commission has loosened media ownership limits? Communication professor **Matt McAllister** says there are profoundly anti-democratic possibilities.

**Wall Street Journal (June 24)** **Karen Roberto**, gerontology, "Staying in touch: one more thing that women are better at than men."

**The Bev Smith Show (American Urban Radio Networks) (July 7)** Center for Food and Nutrition Policy Director **Maureen Storey** discussed a number of food and nutrition issues on this live, one-hour call in show distributed to more than 300 radio stations nation-wide.

**CNN (July 8)** Communication Professor **Roland Lazenby** discussed the alleged sexual abuse case involving NBA player Kobe Bryant. He also discussed the case on *ESPN* July 7. Lazenby is the author of "Mad Game: The NBA Education of Kobe Bryant."

**"On the Record" (July 11)** **Ken Garland**, communication, was scheduled to be featured on the HBO sports program with Bob Costas ("What's Good About Baseball" segment).

**Wisconsin Public Radio Robert Denton**, communication,

sole guest on "Ideas Network" regarding the 16 words from George Bush's State of the Union Address.

**CBS Radio (July 18)** Communication Instructor **Roland Lazenby** discussed the Kobe Bryant sexual assault allegations.

**American Forests** A project of assistant forestry professor **Carolyn Copenhaver**, whose specialty is dating trees/dendrochronology, was featured in color in the summer issue. The article, "The Mystery of Patrick Henry's Osage-Orange," dispels the reputed connection to Lewis and Clark.

**"Hear/Say" WHRO Public Radio (Norfolk) (August 22)** Mechanical Engineering Professor **Doug Nelson** was a guest on an hour-long call-in program on alternative energy sources.

**WKZO Radio (Kalamazoo, MI) (August 20)** Teaching and Learning Professor **Thomas Sherman** participated in a live call-in program regarding the use of cell phones in schools.



## CAMPUS UPDATE

### Future viewed at New Media Conference

Lev Gonick, vice president for information services and CIO at Case Western University, spoke recently at the New Media Center Conference hosted by Virginia Tech.

Addressing 400 directors and faculty leaders in the New Media Consortium, Gonick described the shift to learner-centered environments as being the third revolution in the continuum of change observed in the last century.

While technology change continues, it was most striking in the first half of the century, while social changes such as the role of women and minorities in the workplace, new dress codes and respect for cultural diversity have emerged more dramatically in the second half of the century. Caught between technical innovation and social dislocation, Gonick said, universities will be at the center of this third revolution, with leaders building on new ideas about how people learn, adopting multi-sensory learning, increased interaction, collaboration

(See FUTURE on 4)

### Football Traffic and Parking Announcement

Following is information of basic parking and traffic changes that will take place for home football games. Specific details will be provided to deans directors and department heads before every game and posted at Parking Services web site [www.parking.vt.edu](http://www.parking.vt.edu).

On the day before the game, the following lots and roads will be restricted to no parking after 5 p.m. and all vehicles must be removed from these lots and roads by 10 p.m. that night or be subject to towing: Litton-Reaves/Wallace lots (located off Washington Street and Duck Pond Drive); Coliseum Lot (located off Washington Street and Spring Road); the gravel lot located behind the Jamerson Center, Stadium Lot, Track/Field House Lot (on Spring Road); Tennis Court Lot (on Washington Street beside the Coliseum); Vet Medicine Lot (north side only); Health and Safety Lot (located off Tech Center Drive); Maintenance Lot (located off Southgate Drive); Engel/Cheatham Lot, Price Hall Lot, Upper Stanger Lot, Lower Stanger Lot, Shultz Lot (except for the small interior lot next to Turner St which faculty and staff members may use); Davidson Hall Lot (only the section parallel to West Campus Drive); Wright House Lot, Derring Lot (large lot parallel to Perry Street); Food Science Lot,

Spring Road, and Washington Street (both sides of the road from West Campus Drive to Kent Street).

A football parking map is available at [www.ot.vt.edu](http://www.ot.vt.edu). All vehicles must be removed from these lots and roads by 10 p.m. or be subject to towing. Anyone who has an event planned for the evening before the game that involves one of these lots should contact Parking Services.

Approximately two hours before the game starts, traffic on Washington Street, Southgate Drive, and Spring Road may become one way toward the football stadium. Traffic on Duck Pond Drive may also become one way toward the stadium from Southgate Drive to Washington Street. After the game, the streets' directions will reverse until the traffic flow returns to normal.

Blacksburg Transit will run buses on all normal routes for the weekend and will add additional buses as needed. All home game days will be fare-free for BT. Another option this year is off-campus public parking at four locations in the town of Blacksburg. BT football shuttles will run to the stadium starting two hours before game time from the parking lot by Blacksburg High School, Harding Avenue

Elementary School and from the new Blacksburg Middle School at 15-minute intervals. They will continue to run for two hours after the game. Public parking will also be available at the old Blacksburg Middle School and Gilbert Linkous Elementary School for patrons to walk or ride the regular BT routes to the stadium. There is a \$5 charge for parking in these community lots.

There is an airport shuttle for patrons of the Virginia Tech/Montgomery Executive Airport running to the stadium starting three hours before until two hours after the game.

Handicap parking will be available in the Upper Stanger Lot (located across Stanger Street from Durham Hall). Signs will be posted for guidance to this area. Handicap shuttles will transport persons from this lot to the stadium before, during, and after the game.

Parking and traffic will be affected during the following football game dates during which: September 6, 18, and 27; October 11, November 1 and 22.

For more information, call Parking Services at 1-3200 or, after regular business hours, the University Police Department at 1-6411.

### SUPERCOMPUTER

Continued from 1

for sensitive electronics. Based on the heat load for the system, normal air-conditioning units were insufficient. Liebert was able to provide its new high-density rack-mounted cooling system within the budget and time constraints of the project. They also custom designed computer racks along with power distribution equipment.

Weekly conference calls between the various players were organized in order to build the supercomputer at a record pace. Geographically, the operation was international in scope, with experts as far away as Israel and Japan taking part in the project.

This collaborative effort represents a "groundbreaking project," Aref said. The people working this project "pulled off miracles, raising glass ceilings and opening locked doors."

The new facility will be located at Virginia Tech's computing center. Plans call for a future installation to be housed in a building dedicated to the Institute for Critical Technology and Applied Science (ICTAS) at Virginia Tech. ICTAS is a new venture of the university that allows organized research units to cluster together on synergistic research.

Srinidhi Varadarajan, an assistant professor of computer science at Virginia Tech, and Jason Lockhart, director of the College of Engineering's High Performance Computing and Technology Innovation, initiated the venture at Virginia Tech. Varadarajan is an expert in reliability, a key issue in successfully exploiting terascale computing.

Component failures are endemic to any large-scale computational resource. While previous generations of supercomputers

engineered reliability into systems hardware, today's high-performance computing environments are based on inexpensive clusters of commodity components, with no systemic solution for the reliability of total machine.

Virginia Tech has the first comprehensive solution to the problem of transparent fault tolerance, which enables large-scale supercomputers to mask hardware, operating system and software failures—a decades old problem. It's a software program called *Deja vu*, designed by Varadarajan. He also integrated the software with Apple's G5's. This work will enable the terascale computing facility to operate as the first reliable supercomputing facility, according to Varadarajan.

Virginia Tech researchers are already active in a number of areas that will benefit from the new supercomputing facilities, said Kevin Shinpaugh, director of research and cluster computing for the university. These include nanoscale electronics, quantum chemistry, computational chemistry, aerodynamics through multidisciplinary design optimization, molecular statics, computational

acoustics, and the molecular modeling of proteins.

Terascale computing is motivated by the needs of problems too large to be solved by any individual computer. The majority of these problems arise in the context of computational science. Until recently, progress in science and engineering has relied on a combination of theory and experiment. In recent decades, however, a third paradigm, computational science, has emerged. The idea of computational science is to use computers to simulate the behavior of natural or human-engineered systems, rather than to observe the system or build a physical model of it.

"Virginia Tech will have one of the top-ranked supercomputing facilities in the world, supporting significant 'big-science' research. It is anticipated that Virginia Tech will realize at least a five-to-one return on this investment in terms of annual research grant and contract activity," said Glenda Scales, assistant dean of computing and distance learning.

### CAUS

Continued from 1

the industrial design program has emerged as a high-demand program on the verge of national prominence. The school will provide a single home for related professional design disciplines, promoting innovative collaborations and development opportunities across the missions of the university.

The School of Public and International Affairs, once a "soft" school led by James Bohland, has become a more formalized school directed by Professor John Randolph, previous head of the Urban Affairs and Planning department. The school will incorporate two existing college departments—Urban Affairs and Planning and Center for Public Administration and Policy. Both will become programs, along with a newly formed Government and International Affairs (GIA) Program. The Urban Affairs and Planning Program will be chaired by Associate Professor Max Stephenson. The Public Administration

and Policy Program will be chaired by Associate Professor Larkin Dudley, and the Government and International Affairs Program will be chaired by Political Science Professor Tim Luke. Selected faculty members from departments in the former College of Arts and Sciences will create this program. Among the core faculty members of the GIA program will be Professor Joyce Rothschild and Professor Wilma Dunaway, transferring from sociology, and Professor Gerard Toal in Alexandria, transferring from geography. They are joined by several faculty members from the Department of Political Science who will hold joint appointments in SPIA and political science. In addition to Tim Luke, these initially include professors Ilja Luciak, Richard Rich, and Edward Weisband, Associate Professor Deborah Milly, and Assistant Professor Chris Clement.

SPIA will continue to develop interdisciplinary initiatives, first by building

cooperative arrangements and collaborative programs among units within the school and second, by partnering with organizations external to the university. The new school will stress innovative research for faculty members and interdisciplinary instruction for students, while giving added value to all existing academic teaching and research programs for public and international affairs within the university.

The master's of urban and regional planning is ranked seventh by the latest Gourman report, and the graduate Public Management and Administration Program ranks tenth in the nation, while the graduate Public Affairs Program ranks 24th in the latest *U.S. News & World Report*.

The college will continue to house art and art history, building construction, and landscape architecture as independent departments.

Virginia Tech

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

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# ACTIVITIES

## EVENTS

### Friday, 5

**Farm Family Showcase,**  
Kentland Farm. 731-1289 for information. (Through 9-6).

**YMCA Open University Registration,** 9 a.m. to 5 p.m., YMCA Office.

### Saturday, 6

**Farm Family Showcase,**  
Kentland Farm. 731-1289 for information.  
**Football,** 1 p.m., Lane Stadium: JMU.

### Sunday, 7

**Unity Week Begins.**

### Wednesday, 10

**Celebration of Diversity,** 7 p.m., Burruss auditorium.

### Thursday, 11

**Virginia Tech Faculty Women's Club Welcome Reception,** noon to 1:30 p.m., The Grove.

### Saturday, 13

**VT Open House.**  
**Music Event, Chamber Music,** 8 p.m., Squires Recital Salon.

### Sunday, 14

**Music Event, Chamber Music,** 3 p.m., Squires Recital Salon.  
**VT Open House.**

### Monday, 15

**University Council,** 3 to 5 p.m., 1045 Pamplin.  
**Hispanic Heritage Month Begins** (Through 10-15).

### Tuesday, 16

**Pay Date for Faculty and Staff Members.**  
**Faculty Senate,** 7 to 9 p.m., 32 Pamplin.

### Wednesday, 17

**On-campus Bloodmobile** (Through 9-18).  
**"With Good Reason,"** 7:30 p.m., WVTF.

### Thursday, 18

**Staff Senate,** noon, 1810 Litton Reaves.  
**Football,** 7:30 p.m., Lane Stadium: Texas A&M.

### Friday, 19

**Faculty/Staff Awards Ceremony,** 5 p.m., DBHCC auditorium.

## SEMINARS

### Friday, 5

**Geological Sciences,** 3:30 p.m., 4069 Derring: Peter Olson, Johns Hopkins University.  
**MSE,** 3:30 p.m., 100 Hancock: Sean Corcoran.

### Friday, 12

**Geological Sciences,** 3:30 p.m., 4069 Derring: Steve Stanley, Johns Hopkins University. **MCBB,** 12:20 to 1:10 p.m., Fralin auditorium, Dennis Dean.

### Friday, 19

**Geological Sciences,** 3:30 p.m., 4069 Derring: Gary Kocurek, University of Texas, Austin.  
**MCBB,** 12:20 to 1:10 p.m., Fralin auditorium, Bob Bourret, University of North Carolina.  
**MSE,** 3:30 p.m., 100 Hancock: Donna Dean, National Institutes of Health.

**Submit your events to [calendar@vt.edu](mailto:calendar@vt.edu).**

## Women, Minority Artists series calls for proposals

The Office of the Provost has issued the annual call for proposals for the Women and Minority Artists and Scholars Series for 2003-2004.

The deadline for applications is September 19. The fund, as in past years, provides up to \$500 to supplement departmental or college funds in support of guest speakers or performances. Invited speakers may be from any discipline, either gender, any race or ethnicity.

The primary purpose of the program is to

increase the number and diversity of scholarly voices and artistic expressions at Virginia Tech from groups that are under-represented on the faculty. Typically, guest lecturers or performers meet with students, faculty members, and administrators; attend or assist in related classes; and do a public presentation open to the university and larger community where appropriate. The program might also lead, in some cases, to new or strengthened scholarly collaborations or even a serious interest in

pursuing an appointment to our faculty.

Students should have a significant opportunity to interact with each of these guests to increase their exposure to successful women and minority role models.

Application forms are available on line at <http://www.provost.vt.edu/Diversity/WMASLS/overview.htm>.

For more information, call Catherine Martin at 1-5866 or e-mail [camartin@vt.edu](mailto:camartin@vt.edu).

## Farm and Family Showcase continuing

*By Mary Ann Johnson*

The third-annual Farm and Family Showcase continues through today and Saturday at Kentland Farm.

University employees can attend free of charge by displaying the Virginia Tech parking hangtag or showing their Hokie Passport. Those who do not have the hangtag or Hokie Passport only pay \$5 a vehicle to cover parking and admission.

The Farm and Family Showcase is Virginia Tech's celebration of agriculture and natural and human resources and to show off its many activities at Kentland Farm. It will be open from 10 a.m. to 5 p.m. each day.

"The showcase has something for everyone, not just farmers, and we want to be sure that Virginia Tech faculty and staff members and students get a chance to attend the showcase and see Kentland Farm. To make it easier for everyone at the university to attend, we are going to let them attend free," said Dwight Paulette, director of the showcase.

*(See FARM AND FAMILY on 5)*

## Public invited to view Mars through telescopes

*By Jean Elliott*

The Virginia Tech Department of Physics and Blacksburg Department of Parks and Recreation will host a Mars-observation program today from 10 p.m. until midnight on the athletic fields at Kipps Elementary School in Blacksburg. In case of inclement weather and/or poor viewing conditions due to clouds, the rain date will be on Saturday, Sept. 6 from 10 p.m. until midnight.

Several telescopes will be focused on the red planet and the public will be assisted in their viewing by Virginia Tech students from the Astronomy Club and the Society of Physics Students.

"The most impressive surface features will actually be more favorably positioned during this program than when Mars was closest to Earth," said John Simonetti, associate professor of physics at Virginia Tech. "Mars will be higher in the sky during this program, affording an excellent view and it will only be two-percent smaller than at its recent maximum size."

The darkest, most easily seen feature on the planet (Syrtis Major) will be present on the side facing Earth during the time of the observing program. The south polar ice cap will also be visible at this time.

Mars will start out low in the southeast after sunset, and after clearing the site line of the Earth's atmosphere, will be best viewed closer to midnight. Being higher up in the sky will more than compensate for Mars being farther away: The surface features on Mars will be much easier to see if Mars is higher up. This effect is much more important for observers than the distance to Mars.

Mars will still be at 98 percent of its maximum size during these observing sessions because the Earth-Mars distance will have increased by only about 2 percent since its closest point on August 27.

## FUTURE

*Continued from 3*

and discovery, and encouraging students to take responsibility for their own learning environment.

The New Media Consortium promotes collaboration on cutting-edge issues and technologies. Of particular interest is the Learning Objects Initiative, which will explore standards and seek models for development and deployment of re-usable modules that can be used in multiple scenarios.

At Virginia Tech, the music department uses one such learning object, a music dictionary, which was developed in collaboration with Educational Technologies ([www.music.vt.edu/musicdictionary](http://www.music.vt.edu/musicdictionary)). This learning object uses not only text, but also graphics, audio and video to define and illustrate 3,000 music terms. Freely available, it gets 50,000 hits a month and is used by 800 students in six-to-10 courses a year.

The conference ended with a retrospective by Kristina Hooper Woolsey, a distinguished scientist at Apple for 14 years and now an independent consultant. She offered her

perspective on the background behind many of the ideas explored in the Apple Multimedia Lab, a precursor to the New Media centers which were established around the US in 1993. Her keynote may be viewed at <http://www.newmediacenters.org/events/index.shtml>.

The New Media Center (<http://www.nmc.vt.edu/>) supports faculty members seeking to enhance courses with learning objects and other multimedia work. Consulting and tools are free at 1140 Torgersen Hall, 1-4826.

## Faculty Women's Club to host reception

The Virginia Tech Faculty Women's Club will host a welcome reception Thursday, Sept. 11 from noon until 1:30 p.m. at The Grove.

A shuttle bus will provide transportation from the parking lot behind Wallace Hall on campus. Balloons will identify the shuttle-bus area. Handicapped parking and accessibility is available at The Grove.

VTFWC membership is open to women and wives of administrative, instructional, research and Extension faculty and staff members. Retirees, or wives or widows of retirees, and mothers and mothers-in-law of faculty and staff members are welcome to join.

Child care will not be provided for this event. For more information, call Carol Sorensen at 951-1247.



## University Deploys New Software to Allow Users to Filter E-Mail

By William Dougherty

Unsolicited e-mail, sometimes sent in bulk, sometimes obscene or pornographic, always a nuisance, also known as spam, has become a fact of life for all users these days. Although media reports indicate that various government agencies are taking steps to make things better, users really must take action if they want to continue using e-mail effectively. The administrators of the e-mail systems at Virginia Tech have deployed new software which will allow users to filter e-mail marked as "Junk Mail" to separate folders for further review or summary deletion.

Many sites known to predominantly send spam (over 1,200 at this writing) are currently blocked from sending any e-mail to the central campus servers. See the following URL for the list, which is dynamically updated: [http://www.computing.vt.edu/email\\_and\\_calendar/blockedsites.html](http://www.computing.vt.edu/email_and_calendar/blockedsites.html).

Sites are added to the block list based on statistics collected by the software deployed this summer. A feature of this software which users can use adds an additional header to each e-mail note the software believes is spam. Users can set their e-mail clients to filter based on the presence of this header, thus keeping these notes from clogging their INBOX. See the following URL for instructions on how to use this new feature in addition to other built-in client features for dealing with unwanted e-mail: <http://www.answers.vt.edu/ask4help/email/vtkb1064.htm>.

The e-mail team at Virginia Tech will continue to work with the software vendor, other ISP's, and users to do whatever is possible to continue the reliable delivery of e-mail, while providing users the tools to manage the e-mail they receive.



**HOKIE HI TIMES** The Hokie Hi Welcome Week Committee and the Virginia Tech Athletic Department welcomed students to campus with the annual Hokie Spirit Picnic and Pep Rally. A new tradition began with the relocation of the annual picnic from Dietrick Plaza to Lane Stadium. (J. McCormick)

## RANKINGS

Continued from 1

Sorensen said that the college continues to work towards enhancing the high quality of its undergraduate programs, developing the leadership and technology skills and ethical values of its students, and preparing them for global business challenges.

"Virginia Tech is pleased to again be ranked among the nation's top 100 national universities," said Larry Hincker, associate vice-president for University Relations. "Student selectivity and student-quality indicators are rising, even though the university's overall rank slipped slightly from 66th in last year's survey to 73rd this year."

The overall rankings include private universities, such as Harvard and Yale. Virginia Tech is ranked 32nd among the nation's public universities.

The university's slight drop is most likely the result of reductions in the number of undergraduate course sections, Hincker said, which is directly attributable to loss of state funding.

"Virginia Tech lost \$62 million in state appropriations last year and an additional \$10.5 million in the current fiscal year," Hincker said. "In light of decreasing financial resources, the Commonwealth of Virginia receives excellent value from its top public universities—the University of Virginia, College of William and Mary, and Virginia Tech."

However, he noted, further erosions in state funding for higher education "will continue to chip away at our ability to provide quality opportunities for Virginians. In this new survey, Virginia Tech ranks 73rd overall, but 148th in financial resources. William and Mary ranks 31st overall, but 120th in financial resources."

## BOV approves new degree, stadium expansion

By Larry Hincker

At its quarterly meeting August 25, the Board of Visitors approved creation of a new M.A. in communication in the College of Liberal Arts and Human Sciences. The new degree program spins off from the popular graduate option in the Department of English, which will close. The new program will offer students advanced study in public- and mass-communication research. The 36-hour program is expected to enroll 12 to 16 students annually.

The board approved the university's 2004-06 appropriations request for the upcoming biennium. The proposal is structured around requests for bioinformatics, base budget adequacy, operation and maintenance of new facilities, Extension critical staffing needs, and the Food, Nutrition, and Health initiative. Base-adequacy-funding request (the term used to address the state's chronic under-funding of higher education) will address instructional support, information technology, academic initiatives, and infrastructure and support costs. The university requests \$20.4 million in FY05 increasing to \$33.9 million in FY06.

The board voted to proceed with the Lane Stadium West Side expansion. This \$52.5-million project 580 indoor club seats, 1,650 outdoor premium seats, 23 suites, a new president's box, and a new press box. Private

donations of \$15 million are included in the financial plan. The balance of the project will be from self-generated revenue. Work will begin at this season's conclusion with completion is set for the fall 2005 season.

The full board considered recommendations from an Ad-Hoc Committee on by-laws, which recommends that a minimum of three working days be given board members to review amendments or additions to agenda items for its meetings. They also formalized with by-law language the standard practice of mailing board materials 10 or more working days before a meeting. It also plans to change other language in the bylaws to coincide with language in the Code of Virginia. The board will take action on these revisions in November.

[Editor's note: Meeting minutes of the board are now posted on the university web site under Administration/Board of Visitors.]

The board approved the appointment of two endowed professorships. Cliff T. Ragsdale, has been appointed to the Bank of America Professorship of Information Technology, in the Pamplin College of Business. Michael S. Lieb, has been appointed to the C.R. Roberts Endowed Professorship of Clinical Veterinary Medicine in the Virginia Maryland Regional College of Veterinary Medicine.

## STADIUM

Continued from 1

by-35-inch model and full-color boards. Highlights included a seven-story facade facing Spring Street, a large, landscaped courtyard area, new sports lighting, and gothic architecture emphasized by four towers within the structure. University Architect Scott Hurst said there was a lot of discussion about the visual amenities the stadium would provide. "I'm excited about the architectural statement it will make on Spring Road. It will have a definite visual connection back to campus with the inclusion of contemporary interpretations of gothic elements and the use of materials."

The first two external levels of the structure (facing Spring Street) will house the Sports Hall of Fame, Hokie Club and ticket offices, concessions, retail area and restrooms. Students participating in any type of Tech athletics will also have access to an 18,000-square-foot academic space on the third level that will house advising and career-planning offices, tutorial rooms, computer labs, and study-hall classrooms.

Level four will house the President's Suite that will include nearly 200 seats and a large lounge area. The new press box and television broadcast area will be located on the fifth tier, along with six center suites and six north suites. The next level will hold six more suites and two large club areas holding 389 seats each. Topping the structure will be the operations area—scoreboard, time clock, announcer area, police, rescue and radio, plus a coaches box for the home and visiting teams. The external towers will house elevator and stairwells. The interior towers will house four premium suites. Season ticket holders currently seated in the west-side "outdoor club" will be charged a premium for their seats in 2005, which will include two new interior club areas. The financial plan for the west side assumes a 70-percent occupancy rate for both the suites and club seating.

Work will begin at this season's conclusion in a two-construction bid approach, the first of which will go out to bid in October. Tom Gabbard, associate director of athletics, Internal Affairs, said the early package to build the foundation is being done first and quickly, since that part of the project is always the hardest. "Once you've got the base laid, it's just putting the rest of the pieces together. The foundation is the key."

In January, the second round of construction bids will be issued with construction slated to start on the remainder of the project in March 2004. Gabbard says the 2004 season will be a mess. "Contractors have done this type of work all over the county, so they know to do it, but it's going to be ugly. The secret is to be patient. During the first game, you may come in one entrance, and the next game, you may come in another. It's going to be interesting."

Once the west-side expansion is complete the stadium will hold 66,233 people at capacity.

## FARM AND FAMILY

Continued from 4

The showcase will feature activities and exhibits that benefit those in the agricultural and forest industries as well as homeowners and landowners. In addition to the Tech exhibits, there will be displays, seminars, and programs by many Virginia businesses.

Kentland Farm is a 1,700-acre working farm located eight miles west of the Virginia Tech campus off of McCoy Road and adjacent to the New River. Visitors will have a chance to take bus or walking tours to see Kentland Farm.

The showcase will feature an extensive trade show of equipment and products.

There will be a special children's activities center, including a corn maze, and possible animal births at the birthing center.

## Wireless workshop examines trends

By Susan Trulove

The Center for Wireless Telecommunications (CWT) will hold its annual Wireless Opportunities Workshop (WOW) on Monday, September 15. Participants can identify markets, learn about emerging technologies, and establish strategies related to wireless technologies.

A pre-conference tutorial Sunday afternoon explores the technology and applications of Wi-Fi—the establishment of wireless-capable locations for laptop computers. CWT research Professor Dennis Sweeney and Economics Professor Sheryl Ball will present the tutorial, which includes interactive demonstrations using Wi-Fi devices.

Monday's workshop, beginning at 8 a.m., includes a panel discussion on "The Promise and Reality of Cognitive Radio." After lunch, Steve Garber of NTELOS will discuss Nomadic Broadband Wireless in Rural Virginia.

There will be demonstrations of emerging technology and a poster session on frontier research related to homeland security, Bluetooth, geographic information systems, ultrawideband, and E-textiles and wearable computers.

The program will close at 4 p.m. with remarks from CWT Director George Morgan.

For more information, contact Judy Hood of the Center for Wireless Telecommunications ([www.cwt.vt.edu](http://www.cwt.vt.edu)) at 1-8651, [jhood@vt.edu](mailto:jhood@vt.edu), or Shelley Johnson, Center for Wireless Telecommunications, at 1-5096, [shelleyj@vt.edu](mailto:shelleyj@vt.edu).

Link to the registration site at: [http://www.cwt.vt.edu/news/wow/wow\\_03.htm](http://www.cwt.vt.edu/news/wow/wow_03.htm).

## VTTI crash-avoidance, causation systems draw national interest

By Jason Winter

With the looming statistic of over 1.6 million intersection crashes involving light vehicles each year, the Virginia Tech Transportation Institute (VTTI) shared its research in intersection collision avoidance at the National Intelligent Vehicle Meeting and Demonstration, held in June in Washington, D.C.

VTTI joined other transportation experts in presenting research pertaining to the Intelligent Vehicle Initiative's (IVI) focus of improving highway safety and developing driver-assistance systems. The IVI program was created by the U.S. Department of Transportation in 1997 to specialize in vehicle-specific transportation research and development.

VTTI presented its intersection decision-support system, which targets intersection crashes caused by stop-sign and traffic-signal violations. The Virginia Department of Transportation and the Virginia Transportation Research Council are partners in this collision-

avoidance study.

"We have a real opportunity to improve driving safety and reduce fatalities by addressing intersection crashes," said Vicki Neale, leader of VTTI's safety-and-human-factors engineering group that is conducting the study.

Research shows that the most common type of intersection crash (at nearly 30 percent), called the "straight-crossing-path" crash, occurs when a driver continues into an intersection against a red light and collides with a crossing vehicle. VTTI's decision-support system is designed to greatly reduce the number of these crashes. The proposed signalized intersections can determine a vehicle's location and speed and warn the driver, using an LED stop sign and strobe lights, if it is predicted that he or she will cross into the intersection during a red phase.

VTTI is also researching an in-vehicle system through its Intersection Collision Avoidance (ICAV) project that will allow

vehicles to communicate with these intersection-based systems and further reduce human error.

"When auto manufacturers are ready to install the in-vehicle technologies, the roadside aspect of the cooperative system, primarily the communication system, will be already in place for them," Neale said. This combined, infrastructure-cooperative system will alert the inattentive or distracted driver to an imminent stop-sign or signal violation using an audible signal.

VTTI also demonstrated the ICAV system as well as displaying a vehicle instrumented for the 100-Car Naturalistic Driving Study, a major research effort to collect crash-causation data using instrumented vehicles driven by participants in the Washington, D.C. area. This study will give researchers a glimpse into factors leading up to crashes and near-crash events.

The research was covered by 184 local and national media outlets, including CNN, NBC, ABC, and CBS International.

## ALE names Cox Outstanding Leader of the Year

The Academy for Leadership Excellence has presented the Outstanding Leader of the Year Award to Clara Cox, director of publications and outreach communications.

Recognizing Cox and welcoming this year's new fellows to the academy were Linda Woodard, assistant vice president for Personnel Services, and Dick Harshberger, director emeritus of University Leadership Development. The award recognizes university employees who have exhibited outstanding leadership qualities through superior job

performance, job-related extracurricular activities, committee work, and other areas of service to the university.

In her nomination, Phyllis Barnett-Olinger, administrative assistant in University Relations, said Cox "has not hesitated in promoting and supporting all those who work with her or come in contact with her in her daily activities."

Ben Dixon, vice president for multicultural affairs, said, "Clara is a consummate professional. She uses her ability

to work with people who need her services quite well. She is a great, consumer-service-oriented individual, and knows how to get out of the customer the information she needs to develop the excellent publications that come out of her shop."

In addition to the leader award, members of the 00-01 ALE class were recognized as new fellows. Each year the academy initiates a class of nominated leaders from across the university to participate in a series of workshops and

(See ALE on 8)

## EMPLOYMENT

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

### CLASSIFIED POSITIONS

#### FULL TIME

**Two food-service positions available.**  
**Agricultural Manager**, 008183M, PB 4, CALS.  
**Anesthesia Technician**, 008097C, PB 4, VTH.  
**Assistant Manager**, 000975H, PB 3, Student Programs.  
**Associate Director of Facilities Management**, 008175H, PB 5, Student Programs.  
**Business Manager**, 000095H, PB 5, Student Programs.  
**Capital Budget Manager**, 007995S, PB 5, BFP.

**Customer Service Representative—Copier Program**, 008189A, PB 3, UPS.  
**Enrollment Services Assistant**, 000817B, PB 3, Economics.  
**Fire Protection Technician**, 000192G, PB 4, Physical Plant.  
**Food Service**, W023201H, PB 1, Student Programs.  
**Furnishings Manager**, 007291H, PB 3, Student Programs.  
**Housekeeping Leader Senior**, 000102H, PB 1, Student Programs.  
**Housekeeping Utilities/Special Projects Crew**, 000300H, PB 1, Student Programs.  
**Housekeeping Worker**, 000268H, PB 1, Student Programs.  
**Human Resource Coordinator**, 008044S, PB 4, University Development.  
**Laboratory Specialist**, 003420M, PB 3, APS.  
**Laboratory Specialist**, 007439M, PB 3, Biochemistry.  
**Laboratory Specialist Senior**, 008015M, PB 4, PPWS.  
**Locksmith**, 007754H, PB 3, Student Programs.  
**Office Services Specialist**, 008187S, PB 2, USI.  
**Powerline Worker**, 006524F, PB 3, Facilities.  
**Program Support Technician**, 001615S, PB 3, Graduate School.  
**Research Specialist**, 008131C, PB 3, CSES.  
**Service Leader**, 000567H, PB 1, Student Programs.

**Service Leader Senior**, 000576H, PB 1, Student Programs.  
**Small Animal ICU Technician**, 008095C, PB 4, VTH.  
**Sous Chef**, 002946H, PB 3, Student Programs.  
**Staff Internal Auditor**, 007794S, PB 4, IAMS.  
**Storage Facility/Circulation/Reserve Asst.**, 000489G, PB 2, Library.  
**Unit Manager**, 007961H, PB 5, Student Programs.

#### PART TIME

**Administrative Assistant**, W023527K, PB 2, VBI.  
**Animal Care Technician Large Animal**, W020066M, PB 2, VTH.  
**Housekeeper**, W023000G, PB 1, Motor Pool.  
**Licensed Practical Nurse**, W023318M, PB 3, Schiffert Center.  
**Multimedia Lab Assistant**, W023589M, PB 3, CALS.  
**Program Support Technician**, W023100B, PB 3, VCCER.  
**Radiologic Technologist**, W022238M, PB 3, Schiffert Center.  
**Wash Bay Attendant**, W020774G, PB 1, Motor Pool.

#### OFF CAMPUS

**Assistant Controller**, CCCCC, PB 0, VTF.  
**Director of Nursing**, 002178M, PB 4, EMC.  
**Nursing Shift Supervisor**, 002996M, PB 2, EMC.  
**Office Assitant**, 004125M, PB 2, ESAREC.

**Wildlife Worker**, 006643B, PB 2, Biology.

### FACULTY POSITIONS

#### INSTRUCTIONAL

**School of Biomedical Engineering and Sciences.** Contact: J. Wallace Grant, or Vanessa McCoy, 219 Norris Hall, 0219.

#### NON-INSTRUCTIONAL

**Center for Food/Nutrition Policy. Project Associate.** Contact: Megan Kelly Tisdale, Center for Food and Nutrition Policy, 1101 King Street, Suite 611, Alexandria, VA 22314.  
**VCE. 4-H Youth Development. Extension Agent, Fairfax County.** Contact: Robert Meadows, Virginia Cooperative Extension, 121 Hutcheson Hall, Virginia Tech 0437  
**Minority Academic Opportunities Program. VTPREP Program Manager.** Contact: Keohiokalani Council, Office of the Provost, 330 Burruss Hall, 0132.  
**University Libraries. Cataloger, Cataloging Team/Technical Services:** Contact: Cathy Pillow, Personnel Services, University Libraries at Virginia Tech, Box 90001, Blacksburg, VA 24062-9001.  
**Veterinary Molecular Diagnostic Laboratory. Research Scientist.** Contact: Mark V. Crisman, College of Veterinary Medicine, Virginia Tech, Blacksburg, VA. 24061.



**ACHIEVERS***Continued from 2*

College of Veterinary Medicine, served as a surgery consultant at the World Equestrian Games held in *Jerez de la Frontera*, Spain, in September 2002.

**Emma L. Rowe**, resident in equine surgery in the College of Veterinary Medicine, presented "Detection of apoptotic cells in intestine from horses with colic" at the Seventh Equine Colic Research Symposium and Manchester, England, July 2002.

**Kenneth E. Sullins**, was promoted from associate professor to professor of surgery in June 2002. In August 2002, Sullins made four presentations at the Central Veterinary Conference in Kansas City: "Laser Physics and Safety," "Laser Tissue Interaction," "Lasers in General Surgery" and "Lasers in Endoscopic Surgery."

**Nathaniel A. White II**, Theodora Ayer Randolph professor of surgery in the College of Veterinary Medicine, was a program coordinator and on the program committee for the Seventh Equine Colic Research Symposium in held July 2002 in Manchester, England. He was also the co-editor of the special issue of the *Equine Veterinary Journal*, dedicated to scientific papers on colic from the meeting. The same month, White also presented a paper, "Decision for surgery and the rectal examination in horses with colic" at the British Equine Veterinary Association meeting held in Liverpool, England.

**Matt McAllister**, professor in the Communication Department appeared on *Talk of the Nation* (NPR) February 13. He discussed the continuing popularity of the animated TV program, *The Simpsons*.

**Marc Edwards** has received a 2003 Walter L. Huber Civil Engineering Research Prize from the American Society of Civil Engineers (ASCE). Edwards, a professor of civil and environmental engineering (CEE), has been recognized for his accomplishments in corrosion mitigation, applied aquatic chemistry and drinking water treatment research.

Typically only five Huber Prize winners are selected each year from all civil-engineering discipline areas represented within the ASCE. Edwards was scheduled to receive his award as part of the World Water and Environmental Resources Congress in Philadelphia this June.

**Lieutenant Wendell Flinchum** of the Virginia Tech Police Department recently graduated from the 13th session of the Professional Executive Leadership School in Richmond. Sponsored by the Virginia Chiefs Police Foundation, the school is an intensive three-week, liberal-arts-based education that focuses on the study of leadership.

The class, which met one week each month from January to March, attempted to acquaint its participants with the best practices in leadership and challenged them to reflect upon their own leadership skills and competency. It demonstrated non-traditional leadership skills and taught its students how to incorporate these skills into police structures.

Taught by faculty from the University of Richmond, the class focused on issues such as generational differences among police officers, media relations and leadership. It also examined ways for both personal and professional growth.

**Donald G. Baird**, the Harry C. Wyatt professor of chemical engineering, was scheduled to receive the Society of Plastics Engineers (SPE) Annual Research Award in May at the SPE's 61st Annual Technical Conference in Nashville. Baird is the co-director of the Center for Composite Materials and Structures. His research interests include polymer processing and rheology, composite materials and processing and polymeric materials and properties.

**Paul E. Torgersen**, the John W. Hancock Chair in Engineering, has been re-elected to a second, three-year term on the Council (the governing board) of the National Academy of Engineering.

**Jerzy Nowak**, department head, horticulture, has been named section chair, agriculture, of the International Society for Food, Agriculture and Environment (ISFAE). The mission of ISFAE is to disseminate news and information and promote science, development and technology all around the world. Its aim is to bring together scientists and professionals to stimulate and coordinate scientific meetings and exhibitions, and to promote research and development and information delivery on an international scale.

**Xiaomei Zhu**, a Ph.D. student in the Grado Department of Industrial and Systems Engineering (ISE), has been selected to receive the 2003 Graduate Research Award from the Institute for Industrial Engineers (IIE). The award is for Zhu's master's thesis, "A Demand Driven Re-fleeting Approach for Aircraft Assignment Under Uncertainty," completed in 2001 under the advisement of ISE professors **Hanif Sherali** and **Ebru Bish**. Zhu's research, conducted in collaboration with the United Airlines Research and Development Division, proposes a novel approach to airline-supply management aimed at reducing the mismatches that often occur between aircraft supply and passenger demand. A simulation study of Zhu's thesis by United Airlines indicated that savings of as much as \$40-50 million per year could result from the implementation of her approach. The award was scheduled to be presented during IIE's Industrial Engineering Solutions Conference in May

The 2003 Distinguished Service Award of the Virginia Forestry Association (VFA) was recently awarded to **Harry Haney**, Garland Gray professor and extension specialist in the College of Natural Resources.

Haney assists forest landowners in how to manage timber properties to achieve their objectives and how to transfer holdings to their heirs with minimum tax disruptions. He will be president of the Forest Landowners Association from 2003-2005. He is the author of four landowner guides on income tax, investment analysis, estate planning, and conservation easements. In addition, he has conducted more than 500 programs on these topics and written more than 135 technical publications on forestry.

The College of Natural Resources awarded the 2002-2003 Dean's Award to **Angie Riegel**. The Dean's Award is presented annually to an outstanding staff member for exemplary performance and service to the department, college, and university.

Riegel is a program specialist in the Brooks Forest Product Center. "She has been a dedicated employee at Virginia Tech for the past 17 years," says Paul Winistrofer department head of wood products.

In his new book *Love and Good Reasons: Postliberal Approaches to Christian Ethics and Literature*, English Professor **Fritz Oehlschlaeger** "insist{s} on the vital, productive relationship between ethics and the study of literature," according to the publisher, Duke University Press.

Oehlschlaeger's book "offers a potential way beyond the impasse of the bifurcation of conservative and liberal in the cultural wars of contemporary literary criticism without asking participants to relinquish their deeply held ethical convictions," according to author Brian D. Ingrassia.

**Moses Panford**, professor of Spanish, has been selected from a national applicant pool to attend one of 29 summer study opportunities supported by the National Endowment for the Humanities.

Panford was scheduled to participate in a seminar entitled "Afro-Hispanic Writers and the Canon." The six-week program will be held at the University of Missouri-Columbia.

The 15 teachers selected receive a stipend of \$3,700 to cover their travel, study, and living expenses. The approximately 500 teachers who participate in these studies will teach more than 30,000 American students the following year.

The E. Burton Mercier Alumni Service Award recipient from Virginia Tech was **Thomas E. Gatewood**. Gatewood is the director of Educational Programs. Gatewood consulted for

more than 300 school systems in the U.S., Europe, Asia and South America. He is a past president of the National Middle School Association and the author of more than 50 publications. Gatewood donates much of his time to flying missions for Angel Flight, an organization whose mission is to fly patients and their families for medical treatment. In the past year, Gatewood flew 37 missions and has flown 125 sine joining the organization. He was honored with the Angel Flight MidAtlantic Finest Pilot of the Year award three consecutive years.

**Professor Ron Wakefield** has been named to the Partnership for Advancing Technology in Housing (PATH) Industry Steering Committee (ISC). PATH is a public-private initiative dedicated to improving the affordability and value of America's homes through technology. The U.S. Department of Housing and Urban Development is responsible for overall management, programmatic decisions, and resource allocation for PATH. Because PATH involves many participants from diverse parts of the home building community, the organization seeks guidance from the ISC and other Federal agencies. Wakefield is currently the only university researcher to be appointed to the committee.

The ISC includes industry pioneers and experts who have made their mark in the home building industry. These key representatives have given their time and their organizations' resources to clarifying and defining PATH's vision.

In addition to this new appointment and current teaching responsibilities in the Building Construction department, Wakefield is the Associate Director of the Virginia Tech Center for Housing Research and the Director of the Environmental Design and Planning doctoral program. He holds the William E. Jamerson Professorship of Building Construction.

**John Wenrich**, associate director of the Institute for Connecting Science Research to the Classroom in the College of Human Sciences and Education, spoke at the National Educational Computing Conference in Seattle, sponsored by the International Society for Technology in Education (ISTE). Wenrich served as a panelist discussing the National Internet2 K-20 Initiative. He also presented a session entitled "Internet2 Goes to School," and co-presented "Leadership Professional Development Strategies for School Administrators." Wenrich serves on the board of ISTE's special-interest group on TeleLearning. He is also one of three Virginia representatives on the national Internet2 K-20 Initiative, which is working to bring Internet2 technologies into the K-20 classroom. Internet2 is a consortium being led by more than 180 universities working in partnership with industry and government to develop and deploy advanced network applications and technologies.

**Nancy Love**, associate professor of civil and environmental engineering, and **Charles Bott**, one of Love's former Ph.D. students, have been selected by the Water Environment Federation (WEF) to receive the 2003 Harrison Prescott Eddy Medal. The Eddy medal is awarded for research that makes a vital contribution to the field of wastewater treatment. Love and Bott are being recognized for their research on the effects of toxic chemicals on municipal and industrial wastewater treatment. Their paper was published in the *Water Environment Research Journal* in 2002. The award will be presented during WEF's Technical Exhibition and Conference, to be held in Los Angeles in October.

**Michelle Stevenson**, human development and faculty fellow of the Center for Gerontology, was an invited participant to the "Intergenerational Caregiving" panel that convened July 8-9 in Washington, D.C. Stevenson was one of 13 experts joining Rossalynn Carter to discuss the future of caregiving at the Rosalynn Carter Institute for Human Development.

**William H. Woodall**, professor of statistics, received the 2002 Shewhart Medal from the American Society for Quality (ASQ).

The ASQ is a professional association with more than 100,000 members that advances individual, organizational, and

(See *ACHIEVERS* on 8)

## Alexandria Architecture Center hosts summer international-exchange program

By Sarah Newbill

What do Belgium, France, Portugal, California, Georgia and Virginia all have in common? All are home to universities with membership in the International Architectural Educational Exchange (IAEE) program.

From Monday, July 14 through Saturday, August 2, Virginia Tech was host to the Summer 2003 program, bringing talented and creative student minds together from the U.S. and Europe. The three-week program encourages the students and faculty members to work as "mixed" teams on a large design project in a 'charrette-style' studio setting.

This year, 42 students and 12 faculty members from Georgia Tech, California State Polytechnic at Pomona, Ghent University in Belgium, *Paris La Villette* in France, UTL Lisbon in Portugal, and Virginia Tech have been working at the Washington-Alexandria Architecture Center on their projects.

The idea of IAEE came from an agreement made in 1995 between the presidents of the

United States of America and the European Union, to develop an agenda aimed at more effective cooperation and leadership in areas ranging from trade to security and humanitarian assistance.

As part of this agreement, FIPSE (Fund for the Improvement of Post Secondary Education) was charged with the task of tightening educational relationships between the two countries. This initiated the distribution of joint US/EC grants for the development of international educational projects. Through these grants, a consortium was formed. Virginia Tech was invited to join the group in May 2000.

Each summer, the program has rotated through large 'world cities' located near the member schools. This year, the assignment has been centered around the theme "Democratic Space" taking the RFK Stadium site into consideration, giving the students a chance to imagine how it could be designed or redesigned as a park to fit the needs of the Washington D.C. area in the future, even as far as 250 years from

now. Susan Piedmont-Palladino, WAAC architecture professor and coordinator of this year's program said the students have a lot of freedom in their designs and said the program is not only great for the students, but faculty members as well. She arranged meetings, visits, and lectures interspersed throughout the three-week period to help the students get a feel for information that directly or indirectly affects the site, and could possibly spur creative ideas for the team design.

"First, they meet and hear from people who are in decision-making positions, and then do a group site visit," Piedmont-Palladino said, and adds that many went back and talked to people in the surrounding neighborhood, or explored outlying edges of the site that might provide examples of how they would want their park design to look. One group, consisting of two Georgia Tech students, one Belgian student, one French student, two Cal Poly student, and one Portuguese student, decided to split up the work, and have half the group

stay and work at the center, and half re-visit the site to get more accomplished on their project. Brian Harrell, a fifth-year architecture student at Cal Poly was part of this group, and says that there have been surprisingly few communications barriers. "We might not know their language, and they might not know ours, but we figure it out, work through it, and are patient with each other and take our time trying to understand what everyone's thoughts are. That's been the greatest part of this experience."

Last year the group met in Lisbon for three weeks, and next year plans are under way for the Belgium group to host the program. "I know some of the Belgian participants have become fascinated with the plan of Washington, D.C. I hope this exercise has generally educated all of us about American cities, cities in general, and being responsible citizens—all those good values that are important for design practitioners," Piedmont-Palladino said.

## ACHIEVERS

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community excellence world-wide through quality improvement, learning, and knowledge exchange. The ASQ awards the Shewhart Medal to the person who has made the most outstanding contribution to the science and techniques of quality control or who has demonstrated leadership in the field of modern quality control.

Woodall has received the Brumbaugh Award given by the ASQ for the paper that has made the largest single contribution to the development of industrial application of quality control. *Quality Progress* of ASQ also selected him as one of 21 "Voices of Quality" for the 21st Century. Woodall has been a fellow of the ASQ since 2000. He is a fellow of the American Statistical Association and has won several other awards, including the Certificate of Teaching Excellence from Virginia Tech. He is editor of *The Journal of Quality Technology*.

**Urban Affairs and Planning Professor Joseph Scarpaci** has been elected to serve on the Board of Directors of the Conference of Latin Americanist Geographers. His term runs through 2006.

Scarpaci is the coordinator of the research/study abroad program entitled "Urban Design and Planning in Cuba," and serves as coordinator of "Cuba's Built Heritage," an annual alumni trip.

The Conference of Latin Americanist Geographers was organized to foster geographic education and research on Latin America, and holds regional and international meetings throughout the year. It publishes newsletters and yearbooks on a regular basis, and welcomes the participation of social and natural scientists from allied disciplines at its meetings and in its publications.

**Carl Harris**, director for Network Engineering and Operations—a unit of

Virginia Tech's Advanced Network Infrastructure and Services), recently attained the status of Cisco certified internetwork expert (CCIE) for the "routing-and-switching" track. Individuals certified at this level demonstrate in-depth knowledge of multi-protocol routing and switching and, are deemed to be among the most highly skilled technical engineers in the internetworking industry. Harris joins a select group of just under 9,700 other CCIE's in the world and 3,700 in the United States. He is one of only two such individuals in the southwestern and central Virginia region and is the only CCIE in higher education in Virginia.

Along with the CCIE achievement, Harris concurrently earned certification from the Field Certified Professional Association (FCPA). The FCPA establishes the standards for performance-based information technology certification testing and then accredits (or certifies) those companies who meet or exceed those performance-based testing standards. Cisco

**Urban Affairs and Planning Assistant Professor Jesse Richardson** was cited in an article published by Harvard Law Review, for an article he originally wrote on "Dillon's Rule" for the Brookings Institute (with Meghan Zimmerman Gough and Robert Puentes). The article entitled "Reclaiming Home Rule" by David J. Barron argues that local power will promote the anti-sprawl movement in America.

**Melinda Vann**, director of administrative and business services with University Unions and Student Activities, recently received a two-year appointment to the American College Personnel Association Member Services and Interests Core Council where she will assist with strategic planning for educational services. ACPA is a national organization for student-affairs scholars and administrators.

Vann was also recently named project team member for the Pew National Forum on College Level Learning. The five-state pilot project is designed to establish state benchmarks by measuring broad intellectual development for

college learners. Results will be reported in *Measuring Up 2004, The State by State Report Card on Higher Education* published by the National Center for Public Policy and Higher Education.

**Mike Akers**, the Horace E. and Elizabeth F. Alphin professor of dairy science, received the 2003 Growth and Development Research Award from the American Society of Animal Sciences. His research focuses on endocrine regulation of mammary development and function and especially the role of certain molecules on heifer mammary development. This is Akers' fourth national research award. He has authored or co-authored 139 full refereed papers and 153 abstracts. In 2002, he completed a book, *Lactation and the Mammary Gland*, published by Iowa State Press.

**Brian Mihalik**, professor and head of hospitality and tourism management, has been appointed to the International Management Development Association's board of country directors for three years. Mihalik also served as session moderator and co-chair of the global-tourism development track at IMDA's annual conference in Vancouver, Canada, in June.

**Richard E. Sorensen**, dean, has been appointed chair of AACSB International's accreditation quality committee. The AACSB, the Association to Advance Collegiate Schools of Business, is the primary accrediting agency for undergraduate and graduate degree programs in business administration and accounting. Sorensen will serve a two-year term.

## ALE

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developmental programs focused on various leadership topics.

Inducted into the academy were Sherry Bithell, Sam Camden, Nancy Gruber, Richard Hach, Gary Kirk, Mathew Mathai, Dawn Maxey, Traci McCoy, Gabrielle Minnich, Albert Moore, Ben Myers, Sarah Owen, James Richardson, Lisa Rudd, Fain Rutherford, Jane Warner, and Michael Westfall.

*Spectrum* will publish a special awards section when it returns on September 19. Campus news is available at [hokienews.vt.edu](http://hokienews.vt.edu).