

STUDENT PICNIC ACTIVITIES INAUGURATE NEW SCHOOL YEAR



SPECTRUM

Virginia Tech
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

VOLUME 22 NUMBER 1 FRIDAY, AUGUST 27, 1999

TODAY'S EDITION
Internet tech week set for September 13-17.
Page 3

Board confers special rank on 10 distinguished scholars

By Larry Hincker

The Board of Visitors has conferred the special rank of university distinguished professor on nine faculty members and appointed one alumni distinguished professor.

The UDP status is conferred for exceptional achievements and performance over a career in which faculty members have been recognized nationally and internationally. University policy allows up to one percent of the faculty to be university distinguished professors.

Alumni distinguished professors have a record of scholarship and service to their disciplines, but are selected in particular for their contributions to the instructional program and their influence on the lives of generations of Virginia Tech students.

Robert J. Bodnar, UDP, Geological Sciences. Bodnar's peers now rank him as the leading fluid-inclusion expert in the world. His research on the properties and roles of fluids in natural and synthetic materials is multi-disciplinary, and combines geology, geochemistry, physical chemistry, and planetary, materials, and environmental sciences. His advice is sought by US government agencies and by similar agencies in other nations across the world.

Bodnar's has published more than 80 published scientific papers, more than 240 published abstracts of conference presentations. His grants total more than \$3.7 million from NASA, NSF, DOE, Argonne National Laboratory, and many private corporations. He has received the Lindgren Award for research, which represents an outstanding contribution to economic geology, the NSF Presidential Young Investigator Award, and the Virginia Tech Alumni Award for Research Excellence.

Harold E. Burkhart, UDP, Forestry. Colleagues internationally recognize Burkhart as one of the world's leading forest biometricians. The quality and quantity of his publications over several decades, his leadership among researchers in the field world wide, and his mentorship of numerous graduate students have shaped the study of forest growth and yield.

His work has been recognized with numerous awards and honors. As early as

1981, he received the scientific achievement award, given every five years by the International Union of Forestry Research Organization (IUFRO). He is co-author of a textbook, *Forest Measurements*, now in its fourth edition, that is required reading for nearly every undergraduate student in forestry.

Nikki Giovanni, university distinguished professor, English. Nikki Giovanni, professor of English and Gloria D. Smith professor of black studies, is widely considered to be one of America's foremost contemporary poets, writers, and public speakers. Her work in poetry, essays and fiction and her public appearances have made her into a world-renowned literary and public figure.

Giovanni, who joined Virginia Tech in 1987, is known as an outstanding teacher of

English, creative writing, black studies, humanities, and honors colloquia. She has written 29 books, published scholarly articles, written 113 essays, poems, and short stories, and made nine recordings. A partial list of Giovanni's awards and recognition includes grants from the Ford Foundation and the National Endowment for the Arts, and 14 honorary doctorates.

David Kingston, UDP, Chemistry. Kingston, who joined the university and the Department of Chemistry in 1971, is a natural-products chemist whose research focuses on discovering and isolating anti-cancer drugs from biological sources. Peers call him "one of the top few natural-products chemists in America," and confirm that he is a nationally and internationally recognized scholar in this field.

He began his ground-breaking research on the drug taxol in 1980 and established the foundation for all subsequent taxol research in biology, chemistry and medicine. He has received more than \$10 million in external funding from prestigious sources such as the National Science Foundation, the National Institute of Health and the Food and Drug Administration. He has published more than 190 refereed articles and 18 invited chapters. He holds 12 American patents.

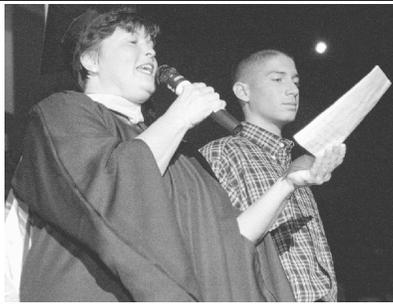
This year, he received the prestigious Research Achievement Award from the American Society for Pharmacognosy.

Fred C. Lee, UDP, Electrical and Computer Engineering. Lee had occupied the Louis A. Hester Chair in the Bradley

(See BOARD 2)

A WELCOME TO THE UNIVERSITY

Associate Director of University Studies Elaine Matuszek introduces first-year student Andrew diGuglielmo at the Freshman Convocation Saturday.
(J. McCormick)



VT Foundation purchases Heavener property

By Larry Hincker

The Board of Visitors has endorsed a plan where the Virginia Tech Foundation will purchase a parcel of land within the university campus, the so-called Heavener property, for \$1.15 million.

If the Blacksburg Town Council approves a corollary plan, this action will resolve the dispute between the university, the town, and a private developer over the ultimate use of the property. It also will make moot the lawsuit

currently before Montgomery County District Court concerning title ownership of Barger Street.

Under the proposed plan, the town would vacate its interest in streets and alleys currently within the university campus including Barger Street, Old Turner Street, Perry Street, and any interior alley ways. In return, the university would deed to the town that portion of Main Street from College Avenue to Alumni Mall.

(See VT FOUNDATION on 4)

To our readers:

The first edition of *Spectrum* for the 1999-2000 academic year embodies several significant changes.

Probably the most obvious change for those members of the university community familiar with *Spectrum* over the years is the move to Friday distribution. This will enable us to increase our ability to cover campus events, such as Board of Visitors meetings, during the same week in which they occur. The deadline for submitting articles and other materials will now be noon on Friday of the week preceding publication.

Another change which will become noticeable over the ensuing weeks is the four-page standard which we have adopted. This change reflects both a need to respond to the amount of news typi-

(See EDITORIAL on 4)

BIG EAST UPDATE

Virginia Tech will become a full member of the Big East Conference beginning with the 2001-02 academic year. The university conducts varsity programs in 15 Big East sports.

Additional details of the conference membership will be reported in *Spectrum* following a September 23 news conference.

ACTIVITIES

EVENTS

Friday, 27

Last Day to Add.

Saturday, 28

YMCA Hike, 1 p.m., meet at 403 Washington St.: Sinking Creek.

Monday, 30

YMCA Open University Registration, 11 a.m.-7 p.m., University Mall.

Tuesday, 31

YMCA Open University Registration, 11 a.m.-7 p.m., University Mall.

Tuesday, 31

Faculty Senate, 6 p.m., German Club.

SEPTEMBER

Wednesday, 1

Salary and Wage Paydate.

YMCA Open University Registration, 10 a.m.-5 p.m., War Memorial Hall.

Celebration of Diversity, 7 p.m., Squires Commonwealth Ballroom. "With Good Reason," 7 p.m., WVTF: Topic TBA.

Thursday, 2

YMCA Open University Registration, 9 a.m.-6 p.m., YMCA Office.

Friday 3

YMCA Open University Registration, 9 a.m.-6 p.m., YMCA Office.

SEMINARS

Friday, 27

Materials Science and Engineering, 3 p.m., 114 Holden: S.S. Babu, Oak Ridge National Lab.

Monday, 30

Biochemistry, 4 p.m., 223 Engel: Sherry Carty, Duke.

Thursday, 2

Statistics, 3:45 p.m., 409 Hutcheson: Pat Darken.

Friday, 3

Highlands in Chemistry, 11 a.m., 3 Davidson: Denver Hall, North East Wales Institute.

Modem pool changes take effect Monday

The recently advertised change of the Virginia Tech modem pool access system (also referred to as "tacacs+" or the new authentication system) will be implemented Monday, Aug. 30.

Most users will not need to install new software, but current settings must be changed. To ensure uninterrupted access to the modem pool, make needed changes to the log-in process prior to August 30. They will work with the current system as well as the new tacacs+ system.

This access change does not affect on-campus (including residence hall) Ethernet users. Questions about modem-pool software-configuration changes should be directed to 4help@vt.edu or 1-4357. Questions about the modem pool should be directed to CNS at 1-6780.

Internet2 Day announced

On September 17, Virginia Tech will host an Internet2 (I2) Day at the Donaldson Brown Hotel and Conference Center auditorium. Attendance is free. I2 Day is part of a week-long program called Virginia Internet Technology 99, presented by the Internet Technology Innovation Center.

For more information, including an agenda, refer to <http://manta.cs.vt.edu/vit>.

One-day class in HTML offered

The Blacksburg Electronic Village is offering a one-day class in basic html for faculty and staff members October 20, at the BEV Office.

The cost of the day-long workshop is \$160. Contact Roy Jones at royjones@vt.edu, or 1-9448.

BULLETINS

Annual call for proposals issued

The Office of the Provost is requesting proposals for the Women and Minority Artists and Scholars Series. The deadline for applications is September 15. The fund, as in past years, provides up to \$500 to supplement departmental or college funds in support of guest lecturers and performances from women and minorities.

Invitations to scholars and artists from other institutions, or non-institutional settings, are also welcome and appropriate. Application forms are available from the Provost's Office at 1-3312 or e-mail to PHILLIPA@vt.edu.

Diversity celebration planned

The university's second annual Celebration of Diversity Program will be Wednesday, Sept. 1. The 7 p.m. event, in Squires Commonwealth Ballroom, is open to the public.

The program, which will be held in the Commonwealth Ballroom in Squires Student Center, will feature gospel singing, an African-American tradition, by the Enlightened Gospel Choir; tinkling, a Filipino historical dance, by the Filipino American Student Association; bhanga, a dance from India, by the Society of Indian Americans; stepping, an African tradition, by the National Pan-Hellenic Council; line dancing, a Virginia Tech tradition, by the German Club; a processional by the Gregory Guard; and a cappella music from the past by Mixed Emotions.

For more information, call 1-6023 or TDD 1-8718.

Ergonomics workshops set for October

CommonHealth and Environmental Health and Safety Services are teaming up on Ergonomics. Ergonomics Workshops for the Workplace at ErgoFair99 will be Thursday, Oct. 7, at Donaldson Brown Hotel and Conference Center.

There will be morning and afternoon sessions on Thursday, Oct. 7. Register at http://www.ehss.vt.edu/ohit/ergofair/ergofair99_registration.html.

Evaluation training to be offered

Personnel Services is currently preparing for the 1999 performance-evaluation process. Supervisors may begin evaluating their employees August 1; completed performance evaluations are due in Personnel Services by 5 p.m. Friday, Oct. 1.

In addition, open-enrollment sessions are scheduled Wednesday, Sept. 8 from 1-5 p.m., or Thursday, Sept. 9 from 8 a.m.-noon at the Donaldson Brown Hotel and Conference Center. Interested supervisors should register for one session with Personnel Services by contacting Becky Moore at 1-9331 or e-mail RMOORE@vt.edu.

Funds needed for earthquake victims

The Turkish Student Association at Virginia Tech is seeking emergency relief contributions for earthquake victims in Turkey. Funds are needed for shelter, water, food, and medical supplies. Checks should be sent to The Turkish Earthquake Relief Fund, American Red Cross (tax deductible), P.O. Box 37243, Washington, D.C.

ACHIEVERS

The following university individuals, departments or organizations are being recognized as achievers. Lee H. Drowne, Residential and Dining Programs, WVTF, Tom Tillar, and Paul L. Knox.

Full information regarding their achievements is available in the on-line edition of *Spectrum* at <http://www.vt.edu:10021/news/Spectrum/>.

ELI seeks family hosts

By Catherine Doss

The English Language Institute of Virginia Tech is seeking individuals and families in the community willing to offer home-stay experiences to international students who are studying English in Blacksburg. Home stays are flexible arrangements that may last as short as two weeks or as long as several months, depending upon a mutual agreement between the student and host. Home-stay students pay room and/or board, also agreed upon between the student and host.

"Home-stay hosts meet highly motivated
(See ELI on 4)

Transportation and Parking announces important changes

In response to faculty and staff requests, the Drillfield now has reserved parking for F/S Monday-Friday, from 7 a.m.-8 p.m. The extended evening hours apply to all F/S spaces around the Drillfield and will be enforced on a trial basis for the first eight weeks of classes.

If faculty and staff members do not make use of the spaces during the extended hours, the enforcement hours will revert back to Monday-Friday, 7 a.m.-5 p.m., following the trial period.

The Tennis Court Lot (on Washington St) has reverted to a F/S lot.

The Track/Soccer Lot, located at the corner of Spring Road and Southgate Drive, has become a F/S and C/G lot with 75 spaces. Company-owned construction vehicles will no longer be permitted to park in that lot.

The Bookstore parking meters will be

enforced from 7 a.m.-5 p.m., seven days a week. The 15-minute parking zone in front of Derring has been eliminated.

The TA spaces in the President's Lot (behind Hillcrest Hall) have been moved to the front row of C-Lot, facing Wallace Hall.

Fee Increases

Parking-permit prices have increased. F/S permits now cost \$55/year and \$28/semester. Parking ticket fees have also increased. Unauthorized area, no-parking zone, parking in a roadway, yellow line, overtime parking and "other" violations are now \$20. Expired-meter violations have increased to \$15. Fire-lane, bus-lane and air-intake citations remain \$50. Unauthorized-use and handicap-zone violations remain \$100.

quasi-resonant converters and multi-resonant converters, along with various soft-switching techniques. He has published over 120 journal articles in refereed journals and more than 300 technical papers in conference proceedings. He holds 19 patents and has been responsible for securing over \$39 million in sponsored research over the last 20 years.

Lee's has received awards from the Society of Automotive Engineering, the Institute for Electrical and Electronics Engineers (IEEE), the Virginia Tech Alumni Award for Excellence in Research.

Timothy W. Luke, UDP, Political Science. Luke's work encompasses critical

New Appeals Process

A new Parking Appeals Hearing Subcommittee (PAHSC) has been established for a one-year trial period during the 1999-2000 academic year. The PAHSC, consisting of faculty and staff members and students, will make the final decision on all second-level appeals of parking tickets. The PAHSC will convene twice a month.

Special-Event Parking Coordination
Special-events planner who anticipate more than 100 visitors should call Special Event Parking at 1-7641 to coordinate parking requirements. This new office will assist in identifying the most appropriate parking location for event visitors and coordinate event parking permits.

social and political theory, cultural analysis, ecological criticism, international politics, and communication analysis, and his scholarship is respected, praised, and revered by colleagues in varied fields.

His scholarly output includes 11 books, 10 on-line publications; and more than 100 articles, book chapters, and essays. He has received three Certificates of Teaching Excellence from the College of Arts and Sciences; the Wine Award and the Alumni Award for Teaching Excellence from the university; and national teaching awards from the American Political Science Association

(See BOARD on 4)

BOARD

Continued from 1

Department of Electrical and Computer Engineering. He is an internationally recognized leader in the field of power electronics. He is the founder and director of the world-renowned Virginia Power Electronics Center (VPEC), a designated Technology Development Center of the Virginia Center for Innovative Technology. Under his leadership, VPEC became the largest university-based power-electronics center in the country.

He has invented a new generation of high-frequency power conversion devices, known as

Internet tech week set for September 13-17

By Susan Trulove

The Internet Technology Innovation Center (Internet TIC) will host a week-long conference showcasing the latest Internet technology developments and offering extensive professional development opportunities—from creating user-friendly web sites and software; to predicting the impact and opportunities of the next generation of the Internet; to responding to security and privacy concerns. The conference will be September 13-17 at the Donaldson Brown Hotel and Conference Center.

Virginia's Center of Innovative Technology established the Internet TIC last year to enhance the state's IT business environment. Internet TIC has been assisting individual companies, determining needs, and creating resources. The conference is the center's first major program and will become an annual event.

Opening day, Monday, Sept. 13, will feature presentations by government and industry leaders. U.S. Representatives Rick Boucher and Robert Goodlatte, who co-chair the Internet Caucus, will discuss Internet Economic Development Opportunities and Current Federal Legislation.

The business and industry perspective on Internet opportunities will be presented by Harris

N. Miller, president of Information Technology Association of America, and Mary Miller, president of Interactive Design and Development, Inc. ITAA, based in Arlington, is the only trade association representing the U.S. IT industry, with more than 11,000 direct and affiliate members.

Tuesday through Thursday will be devoted to a choice of full-day and half-day professional development seminars by faculty members from George Mason University, the University of Virginia, and Virginia Tech. Offerings include:

Tuesday: Electronic commerce by Alf Weaver, web-site usability by Rex Hartson and Deborah Hix, wireless network technology by Scott Midkiff, Internet2 by Jeffrey Crowder and Carl Harris, interworking by Marc Abrams, security protocols by Ravi Sandhu, and digital libraries by Ed Fox.

Wednesday: Internet broadcasting by Blair Fuller, interactive multi-media on the Internet by Fox, knowledge management by Stephen Ruth, teaming in cyberspace by Stephen Ruth, Web technology by Abrams, Internet regulation by Janine Hiller, privacy and security by Hiller and France Belanger, and economic development in the information economy by Andrew Colhill.

Thursday: Lessons learned from electronic commerce by Brandt Allen, Internet marketing

by Sheila Wexler, introductory and advanced Java technology by Dennis Kafura and Clifford Shaffer, web-user interface technologies by Abrams, a low-cost method for opening a retail site by James Hicks, and optical-fiber-communications technology by Ira Jacobs.

Luncheon speakers will be Thomas R. Gulledd of the Institute of Public Policy and the Policy Analysis Center at George Mason University, who will speak on "International E-Commerce" on Tuesday; Charles Bostian, director of the Center for Wireless Telecommunication at Virginia Tech, speaking about the wireless spectrum on Wednesday; and Dana G. Coltrin, vice president and general manager of Cox Fibernet, speaking about telecommunications opportunities and challenges on Thursday.

Friday, Sept. 17, is Internet2 Day, providing a comprehensive look at the next-generation web network where broadcast-quality video and virtual reality will enable such applications as tele-medicine, virtual laboratories, and other interactive services not possible with the technology underlying today's Internet, according to conference chair Osman Balci, professor of computer science at Virginia Tech. Speakers will be Douglas E. Van Houweling,

(See INTERNET on 4)

Vet Med symposium series set

By Jeffrey S. Douglas

The Virginia-Maryland Regional College of Veterinary (VMRCVM), the Medical College of Virginia (MCV) and the Virginia and the Maryland Veterinary Medical Associations (VVMA and MVMA) have announced plans to present three annual symposiums designed to explore linkages between human and veterinary medicine over the next three years.

The symposia series, entitled "The Bridge Between Veterinary Medicine and Human Health," has been created to generate increased professional and public awareness of the therapeutic aspects of human/animal interaction, health threats posed by human/animal interaction, and public health and food safety issues related to human/animal interaction.

"Physicians and veterinarians recognize the benefits of animal companionship and both are concerned with zoonotic disease threats, food-safety issues, biomedical research and the complex interdependencies between people

(See VET MED on 4)

EMPLOYMENT

CLASSIFIED POSITIONS

The following classified positions are currently available. More details specific application procedures and position-closing dates are available at <http://www.ps.vt.edu>. Available positions are also listed on the Job Line: Office/Clerical: 1-6196; Technical/Research: 1-6160; Service/Trades: 1-6176; Professional and Managerial: 1-4649; Information Technology: 1-2233. Some positions include state benefits. Positions numbers beginning with a "V" 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 unless otherwise stated. An EO/AA employer committed to diversity.

Full Time

Agricultural Technician B, 652M, Grade 5, Dairy Science.

Animal Care Technician B, 2630M, Grade

5, Veterinary Teaching Hospital.

Animal Care Technician C, 2281T, Grade 7, Biology.

Chemical Safety Trainer (Health Ed. Sr), 7491T, Grade 10, Environmental Health and Safety Services.

Computer Systems Chief Engineer, 7104D, Grade 17, CNS.

Enrollment Services Assistant (Academic Adviser), 7485T, Grade 7, Computer Science.

Fire Safety Engineer, 7488T, Grade 12, Environmental Health and Safety Services.

Fiscal Assistant, LC086J, Grade 5, Virginia Tech Athletic Fund.

Fiscal Technician, 1817T, Grade 6, Sociology. **Eleven** full-time food-operations positions available; three part-time. Call 1-8060.

Food Operations Manager B/Executive Chef, 0266H, Grade 10, Residential and Dining Programs/Shultz Dining Center.

Graphic Designer, 2076D, Grade 9, Publications/University Relations.

Housekeeping Worker Senior, 0269H, Grade 3, Residential and Dining Programs.

Housekeeping Worker, 6867C, Grade 1, Physical Plant/Housekeeping Services.

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

Housekeeping Worker, 1021H, Grade 1, Residential and Dining Programs.

Laboratory Specialist, 7474M, Grade 8, Biochemistry.

Laboratory Specialist, 7492M, Grade 8, Biochemistry.

Laboratory Specialist, 3428M, Grade 8, Veterinary Medicine.

Occupational Safety Trainer (Health Ed. Sr), 7489T, Grade 10, Environmental Health and Safety Services.

Office Services Specialist, 6959T, Grade 5, Undergraduate Admissions.

Office Services Specialist, 918T, Grade 5, Undergraduate Admissions.

Oracle DbA, 7433D, Grade 14, AIS.

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

Power Plant Shift Supervisor, 335P, Grade 8, Power Plant.

Program Support Technician, 6520S, Grade 6, University Library/LL.

Programmer, IW2000D, Grade 10, AIS.

Programmer, W022871D, Grade 10, Educational Technologies.

Programmer/Analyst, 6887D, Grade 12, AIS.

Programmer/Analyst, 6887D, Grade 12, AIS.

Programmer/Analyst, IW2001D, Grade 12, AIS.

Programmer/Analyst, 2917D, Grade 12, Computing Center.

Programmer/Analyst, 7426D, Grade 12, Educational Technologies.

Public Relations Asst Specialist, 6996C, Grade 8, University Relations/WVTF Public Radio.

Safety Coordinator (Safety Engineer), 7483P, Grade 12, Physical Plant.

Senior Programmer/Analyst, IW2002D, Grade 14, Administrative Information Systems.

Television/Video Producer Director Senior, 2324D, Grade 12, University Relations.

Television/Video Producer/Director, 5362D, Grade 10, University Relations.

Warehouse Worker, 7360P, Grade 4, Surplus Property.

Part Time

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

Housekeeping Worker, W020574G, Grade 1, DBHCC.

Housekeeping Worker, W020190C, Grade 1, Physical Plant/Housekeeping Services.

Housekeeping Worker, W022490H, Grade 1, Residential and Dining Programs.

Laboratory Specialist, W022855M, Grade 8, Veterinary Teaching Hospital.

Office Service Assistant, W022850S, Grade 4, University Library.

Office Services Assistant, 7494C, Grade 4, Computing Center.

Office Services Assistant, W022874C, Grade 4, Office of Family Support.

Office Services Assistant, W022870P, Grade 4, Physical Plant.

Office Services Assistant, W022875T, Grade 4, Undergraduate Admissions.

Office Services Specialist, W020226G, Grade 5, Schifflert Health Center.

Office Services Specialist, 1084G, Grade 5, Cook Counseling Center.

Office Services Specialist, W022322T, Grade 5, Undergraduate Admissions.

Office Services Specialist, W022876T, Grade 5, Undergraduate Admissions.

Program Support Technician, W022538M, Grade 6, Animal/Poultry Sciences.

Public Relations Assistant Spec/Radio News Announcer/Reporter, W020344C, Grade 8, University Relations/WVTF Public Radio.

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

Secretary Senior, W020618M, Grade 5, Veterinary Medicine.

Security Guard (Dorm Watch and Escort Driver), W020470T, Grade 2, Police.

Storekeeper, W022291M, Grade 4, Veterinary Teaching Hospital.

Wash Bay Attendant, W020774T, Grade 2, Motor Pool.

University Only

Fiscal Technician, 7497M, Grade 6, Agriculture and Life Sciences/AGNIS.

Fiscal Technician, 2402J, Grade 6, Near Environments.

Fiscal Technician, 7495T, Grade 6, Scholarships and Financial Aid.

Office Services Specialist, W022868C, Grade 5, AIS.

Postal Assistant, U1481C, Grade 4, University Mail.

Program Support Technician, 7216J, Grade 6, Engineering.

Recreation Supervisor B, U7317G, Grade 7, Recreational Sports.

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

Fnep Program Assistant/Office Services Assistant, 7498S, Grade 4, Russell County-Lebanon.

Office Services Assistant, 6618J, Grade 4, HNFE.

FACULTY POSITIONS

INSTRUCTIONAL

Department of Large Animal Clinical Sciences. Assistant/Associate Professor, Equine Field Service. Contact: Craig D. Thatcher, Department of Large Animal Clinical Sciences, (0442) Review begins November 1.

NON-INSTRUCTIONAL

Mobile And Portable Radio Research Group (MPRG). Technical Editor. Contact: Christine Holmelt, MPRG, 432 New Engineering Building (0350) Applications due by September 2.

Complete information regarding faculty positions is available at <http://www.vt.edu:10021/admin/eoaa/index.html>.



VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

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

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

Editor

John Ashby, 1-6961

Assistant Editor

Christian Moody, 1-8538

Production Manager

Melinda Shaver, 1-8524

Business Manager

Sheri Box, 1-8819

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

Virginia Tech does not discriminate against employees, students, or applicants on the basis of race, color, gender, sexual orientation, disability, age, veteran status, national origin, religion, or political affiliation. Anyone having questions concerning discrimination or accessibility regarding the programs described in this newspaper should contact the Equal Opportunity Affirmative Action Office: 540-231-7500 (v), 540-231-9460 (TTY).

OBITUARIES

Michel Van Aerde, 39

Michel Van Aerde, 39, professor of civil engineering and associate director of the Center for Transportation Research (CTR), died August 17.

Clarence H. Long, 80

Clarence H. Long, 80, who taught in the College of Engineering for 42 years, died August 5.

Please see complete obituaries at <http://www.vt.edu:10021/news/Spectrum/>.

EDITORIAL

Continued from 1

cally generated by the university, and a commitment to more aggressively use the capabilities of the Internet in publishing an electronic edition of *Spectrum*. The printed edition of *Spectrum* (on an improved grade of paper) will continue to contain many of the same features, such as news stories, calendar and bulletins and employment information. Some features, such as Newsmakers and Achievers will be billboarded in the printed edition with full information listed in the electronic edition. Feature stories will often be published in this manner.

The electronic edition of *Spectrum* is a work in progress. It will contain the items published in the printed edition, plus the afore-mentioned full listings of Achievers and Newsmakers, and features. The electronic edition will also allow us to cover important late-breaking stories and offer improved internal communications service to the university community. We think the possibilities offered through electronic publishing fit very well with the goals of the university as it prepares to enter the Twenty-first Century.

The current address for the electronic edition is <http://www.vt.edu:10021/news/Spectrum/>.

Please note that the "S" is capitalized. We hope you'll bookmark the address and look for expanded and improved campus news coverage.

John Ashby, editor

VT FOUNDATION

Continued from 1

When Main Street was extended in the mid-1930s across university property, ownership of the roadway was not transferred to the town.

"We are grateful to the Tech Foundation for its support. This is a significant sum to pay for a small parcel, but this action eliminates any uncertainty about its development. We now have protected the integrity of the campus for future generations," President Paul Torgersen said.

"Acquisition of the Heavener property had been part of the university master plan for several decades. Orderly development is now under full control of the university," said Raymond Smoot, vice president for finance and treasurer. With the purchase of the Heavener property, all the parcels along public streets mentioned above will be owned by the university or the Virginia Tech Foundation. With action by Blacksburg Town Council to vacate ownership in those streets, they will become part of the state road system like all other campus streets.

In an earlier statement, Torgersen had said, "It is important for the university to eliminate the uncertainty surrounding this last remaining private parcel within the boundaries of the campus. Private acquisition will eliminate the very real possibility of having within the academic core of campus a facility totally out of character with our mission and goal."

BOARD

Continued from 2

and Pi Sigma Alpha, the political science honor society.

Luke is also one of the founding leaders in the campus Cyberschool effort. He has been actively involved in development of Virginia Tech's information-technology initiatives, including the Institute for Distance and Distributed Learning, of which he is now executive director.

Thomas H. Ollendick, UDP, Psychology. Ollendick has gained an international reputation in clinical psychology, and is considered to be the world's foremost researcher in children's anxieties and fears. His research focuses on the development, articulation, and application of social learning theory to child behavior disorders.

Ollendick has received many awards and recognition for excellence in clinical child psychology, including the National Mental Health Award and the American Psychological Association Award for Distinguished Research Contributions. *Good Housekeeping* named him among the top 30 child psychologists in the U.S. He will serve as scientific chair for the World Congress on Cognitive Behavior Therapy in 2001.

He has co-authored 20 books, has published 50 book chapters or reviews and over 200 journal articles, and has made more than 400 presentations at professional meetings. He initiated the Senior Seminar in Clinical Psychology and presently serves as director of the Child Study Center. He has chaired committees for the NIMH and American Psychological Association, and is currently president of Society of Clinical Psychology.

Arun G. Phadke, UDP, Electrical and Computer Engineering. Phadke is nationally and internationally recognized for his expertise in power systems. He is director of the Center for Power Engineering at Virginia Tech, and director of its Energy Research Group. He pioneered the use of the global-positioning satellite system for use in monitoring the condition of power systems

and improving their reliability, a technique that has received wide acceptance by the power industry in little more than a decade.

He was named a fellow of the IEEE in 1980 for his contributions to the application of digital computers to power systems and has received numerous awards from the IEEE for both his research and educational contributions to the field. He was elected to the prestigious National Academy of Engineering in 1993.

He has authored or co-authored more than 100 technical articles in addition to numerous handbooks, chapters, and technical reports.

Garth L. Wilkes, UDP, Chemical Engineering. Wilkes is currently director of the Materials Engineering Science interdisciplinary doctoral graduate program. He has been co-director of the Polymer Materials and Interfaces Laboratory at Virginia Tech since he co-founded it in 1978. This body has developed national as well as international visibility in the field of polymer science and engineering. Virginia Tech's graduate polymer program was ranked fifth in the nation in terms of polymer programs in the recent *U.S. News and World Report* evaluation of graduate schools.

Wilkes's research expertise is focused on the material characteristics of polymeric materials, such as polymeric glasses, elastomers, semicrystalline polymers, polymer blends, liquid crystalline polymers, biomaterials, and biologically based polymeric systems such as skin and collagen and others. He is also particularly known for his initiation of the field of *ceramers*, which are a hybrid organic/inorganic material. He holds six patents, most of these related to the new hybrid material.

His work has been recognized with a number of awards and honors, including the Creative Polymer Chemistry Award in 1987 by the American Chemical Society, and the Alumni Award for Research Excellence in 1989 by Virginia Tech.

Arthur L. Buikema Jr., ADP, Biology. Buikema, a professor of biology, was first recognized for his teaching just three years after joining Virginia Tech in 1971, when he received the College Award for Teaching Excellence. He has been selected to receive the Sporn Award for Excellence in Teaching an Introductory Subject the G. Burke Johnson Renaissance Man Award of Omicron Delta Kappa, the Diggs Teaching Scholar Award and the Virginia Tech Alumni Teaching Excellence Award.

Buikema is responsible for many teaching innovations, including breaking the "credit-for-contact" paradigm in the biological sciences, introducing a freshman science writing-intensive course, integrating biology and the arts, creating the first on-line biological-science course at Virginia Tech, developing an on-line laboratory manual for sale at the bookstore, and creating learning communities.

Buikema actively promotes the use of technology in teaching through creation of classroom and laboratory materials and experiences, through departmental and campus leadership, and by recently publishing his book on *Plain Talk about Teaching on the Web*.

VET MED

Continued from 3

and animals," said VMRCVM Dean Peter Eyre, who has been meeting informally with Virginia medical-college deans over the past few years. "Through these symposia, we hope to create a forum in which these areas of mutual interest can be examined from a more integrated perspective."

The first, "Beneficial Effects of Animal Companionship on Human Health and Well-being," will be here September 17 from 8:15 a.m. to 4:30 p.m. The symposium will include comments and remarks from Eyre, Anton J. Kuzel, vice-chair, Department of Family Practice, MCV-VCU; Michael Blackwell, rear admiral, U.S. Public Health Service, chief of staff and assistant surgeon general, U.S.A.; and Earl Strimple, an expert on the human/animal bond and pet-assisted therapy who operates Washington D.C.-based MacArthur Animal Hospital.

The symposium will also include a series of major presentations. Aaron Katcher will present "Physiology and Epidemiology of the Human Health Benefits of Interaction with Animals...An Evolutionary Hypothesis." Sandra Barker, an adjunct professor in the VMRCVM and associate professor in the Department of Psychiatry at MCV-VCU who helped establish the veterinary college's grief-counseling program, will present "Recent Clinical Studies on Therapeutic Aspects of the Human-Companion Animal Bond."

Afternoon sessions will be primarily devoted to a program entitled "Educating Physicians and Veterinarians on the Benefits of Animal Companionship on Human Health and Well-Being." Facilitators include Marie Suthers-McCabe, an associate professor in the VMRCVM's Department of Small Animal Clinical Sciences and Extension human/companion animal interaction specialist with the Virginia Cooperative Extension Service,

Barker, and two professional students.

MCV medical student John Turner and VMRCVM veterinary student Chris Rogers will present the results of an exhaustive review of the international academic literature which focuses on human/animal interactions. The work will provide the academic foundations for a more organized approach to provide continuing education in the general area of human/animal interactions for graduate veterinarians and physicians.

The September 2000 symposium is entitled "Educating Physicians and Veterinarians on the Risks of Animal Interactions to Human Health and Well-being." That event plans to examine a variety of topics, including animal-inflicted injuries, zoonotic diseases and wildlife and the environment.

The three-year series concludes in September 2001 with a seminar entitled "Educating Physicians about their Joint Responsibilities in Public Health and Food

Safety." Topics scheduled for examination during that event include microbiological and chemical safety of foods of animal origin, antimicrobial drug resistance and others.

ELI

Continued from 2

young men and women from different cultures who wish to know American life well and improve their language skills through daily casual conversation and sharing," said Judith Snoke, director of the English Language Institute. "They may wish no more than a furnished room or may wish to share meals with their family hosts. It's a very flexible arrangement."

Snoke said many English language students have trouble finding apartments to rent because they may only need short-term housing. She said staying with host families is an ideal arrangement.

Host families are needed as early as this month. For more information, contact Snoke 1-6963 or by e-mail at elsnoke@vt.edu.

Non-Profit
Organization
U.S. Postage
PAID
Blacksburg, VA
Permit No. 28

INTERNET

Continued from 3

president and CEO, UCAID, University of Michigan, and Ted Hans, director, UCAID, on "An Overview and Applications for Internet2"; Crowder on "Internet2 Projects," and Earving Blythe on "Advanced Communications of the Future."

Craig Winn, CEO of Value America, Inc., of Charlottesville, will be the luncheon keynote speaker on Friday. The company is an on-line retailer of computers, electronics, and other products.

There is a charge for the first four days' programs. Internet2 Day is free but still requires registration. For more information, visit <http://manta.cs.vt.edu/vit/>.

Virginia Tech
Blacksburg, VA 24061