

# SPECTRUM

Virginia  
Tech  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

TODAY'S EDITION  
*Convocation  
welcomes new  
students.*

VOLUME 21 NUMBER 38 THURSDAY, AUGUST 19, 1999

## Convocation for first-year students planned for Saturday

*By Catherine Doss*  
In a move to emphasize the importance of academics, Virginia Tech has scheduled its first-ever convocation for first-year students on Saturday, Aug. 21, at 8 p.m. in Cassell Coliseum.  
"This fall we welcome what is arguably our best entering class ever," said Provost Peggy S. Meszaros. "The convocation is designed to emphasize academic excellence as part of the freshman orientation process. It is the best way to put academics front and center for the entering class."  
More than 4,500 first-year students are

expected to attend and will be seated according to college. During the event, deans from each college will present their incoming students to President Paul Torgersen, Meszaros, assembled members of the faculty, and the university community.  
Members of the Academy of Teaching Excellence will briefly introduce one student from each college and University Studies. These students will then talk about their reasons for coming to Virginia Tech and their goals.  
"These diverse student speakers come from every walk of life," said Ron Daniel, associate provost for undergraduate programs.

"For example, the group includes an international student. Each one has an interesting story to tell," Daniel said.  
"Our goal is for every entering freshman to feel like he or she has a peer, someone with whom they can identify," Daniel said. "We feel this will be an excellent way to introduce students to the academic excellence as well as the spirit and culture of Virginia Tech."  
"We want this to be a team-building experience for first-year students," Meszaros said. "We want them to feel welcome here and excited to launch their college career at Virginia Tech." She will speak briefly about the

importance of beginning the year with a strong academic focus.  
Faculty members and administrators are invited to participate in a processional attired in full regalia. Those interested in participating should contact Daniel at 1-3341 or by e-mail at [rdaniel@vt.edu](mailto:rdaniel@vt.edu). Processional participants should gather at the tunnel leading to the coliseum playing floor between 7:30 and 7:45 p.m.  
Sponsored by the Office of the Provost, the convocation was designed by several members of the Academy of Teaching Excellence.

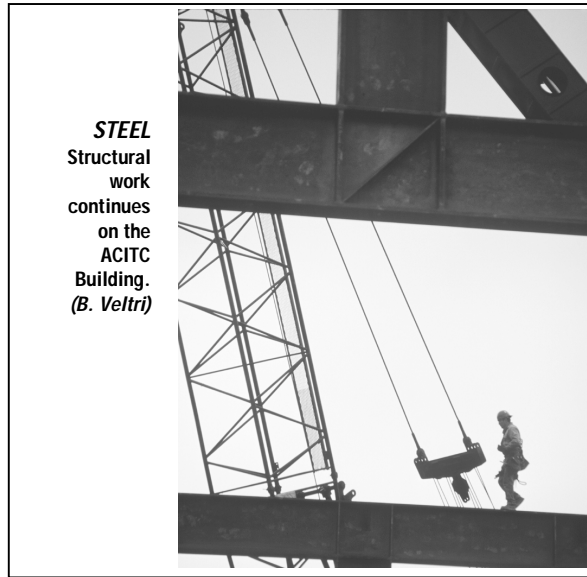
## Statistics celebrates 50th anniversary

*By Sally Harris*  
It was 1949, Truman was president, and at Virginia Tech, the Department of Statistics was formed, making it only the third in the country after Iowa State and North Carolina State. This year, the department is celebrating its 50th anniversary.  
As part of the celebration, the department held a conference on "Statistics: Modeling Processes in Science and Industry" August 13-14. It featured sessions on process and quality control, experimental and sampling design, medical and biopharmaceutical statistics, linear mixed models, bayesian statistics, and nonparametric estimation. Speakers from across the country were invited, including Penn State, Los Alamos National Laboratories, Princeton, North Carolina State, and, of course, Virginia Tech, as well as the president of the American Statistical Association.

The department honored Boyd Harshbarger, its founding father, who served as department head from 1949 until 1972. "He was one of the pioneers...and was able to convince a skeptical administration that Virginia Polytechnic Institute should have its own department," said Klaus Hinkelmann, another former department head. Shortly before Harshbarger's death in 1998, the department established the Boyd Harshbarger Graduate Study Endowment Scholarship Fund for the Department of Statistics. Contributions may be earmarked for that scholarship and mailed to the Virginia Tech Foundation, 201 Pack Building (0336), Virginia Tech, Blacksburg VA 24061.

Virginia Tech had had statistics courses since 1955, when Harshbarger introduced the first one in the mathematics department. At that time, very few universities had statistics courses, so when he received a Rockefeller Fellowship to get a Ph.D., Harshbarger took courses at George Washington University and Iowa State and a

(See STATISTICS on 4)



**STEEL**  
Structural work continues on the ACIT Building. (B. Veltri)

## Tech announces record support

*By Sherry Bithell*  
Virginia Tech supporters have contributed to the university's third consecutive record year in private giving, surpassing last year's all-time high by more than 45 percent. During fiscal year 1998-99, which ended on June 30, individuals, corporations, and foundations donated \$71,388,318. This performance comes on the heels of a comprehensive six-year campaign, which ended June 30, 1998.

The largest single donation ever made to Virginia Tech, a \$23-million gift of patents and equipment from DuPont to the College of Engineering, helped propel the year in private giving. Even discounting the DuPont gift, the College of Engineering ended the year up \$1.3 million from last year's total.

The College of Arts and Sciences,

surpassing last year's total by 27 percent, received \$3.5 million. Intercollegiate Athletics—boosted by the continued success of its teams, including the women's basketball team's first-ever trip to the NCAA Sweet Sixteen and the football team's sixth consecutive bowl appearance—reached an all-time high of \$8,943,906, breaking last year's record total by 41 percent. And contributions to financial aid more than doubled.

Once again, current operations received the lion's share of support; donors designated \$29,531,356, up 52 percent from last year. Funds earmarked for endowment, capital facilities, and sponsored programs comprised the balance of the total.

Alumni continued to give generously—

(See TECH on 4)

## New members appointed to BOV

*By Anne Fowler*  
Governor James Gilmore has announced the appointment of Beverly H. Sgro, William C. Latham, and Donald R. Johnson to the Board of Visitors.

Sgro, of Asheville, N.C., is currently the head of Carolina Day School. Sgro served as interim head of the Collegiate Schools in Richmond between 1998 and 1999. Previously, Sgro served as Virginia's secretary of education during Governor George Allen's administration. In addition, she worked at Virginia Tech as dean of students, as executive assistant to the vice president for student affairs, and as assistant director of student activities. Sgro succeeds former BOV member, Cecil Maxson of Richmond.

Latham, of Haymarket, has served as chairman of the board of Budget Motels, Inc. since 1972. He has opened, owned, and

(See NEW MEMBERS on 4)

## Board meeting scheduled here

*By David Nutter*  
The Virginia Tech Board of Visitors will meet on campus Monday, Aug. 23, at 1 p.m. in Squires Brush Mountain Room.

The board will consider, among other business, the appointment of university and alumni distinguished professors, the 2000-2002 appropriations request, a proposal to finance new special-purpose housing.

The committees of the board will meet at the following times and locations:

Academic Affairs will meet at 8:30 a.m. in the Black Cultural Center, 126 Squires.

Buildings and Grounds will meet in executive session at 8:30 a.m. in the Board Room of the Donaldson Brown Hotel and Conference Center (DBHCC). The open session is at 9 a.m. in conference room A.

Finance and Audit will meet in executive

(See BOARD on 4)

# ACTIVITIES

## EVENTS

### Thursday, 19

**International Student Orientation**, 8:30 a.m.-5 p.m., Squires Colonial Hall.  
**Staff Senate**, 5:30 p.m., 1810 Litton-Reaves.

### Friday, 20

**International Graduate Student Orientation**, 8 a.m., Owens Banquet Hall.  
**International Undergraduate Student Orientation**, 9 a.m., Squires Brush Mountain A.

### Saturday, 21

**Special Convocation**, 8 p.m., Cassell Coliseum.

### Sunday, 22

**Board of Visitors Meeting**.

### Monday, 23

**Classes Begin.**  
**Board of Visitors Meeting.**

### Tuesday, 24

**Art Exhibit Opens**, noon, Armory Gallery: Sculpture and Works on Paper, by Dean Carter.

### Wednesday, 25

**With Good Reason**, 7 p.m., WVTF: Topic TBA.

### Friday, 27

**Last Day to Add.**

## SEMINAR

### Friday, 27

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

### Student check-in requires parking changes

From Thursday, Aug. 19 through Sunday, Aug. 22, student check-in will cause a significant change in parking and traffic patterns on campus.

During the four days of check-in, streets and parking lots closest to the residence halls will be designated as "one-hour loading." These areas include parking lots near Schultz, Owens, Dietrick, Cassell Coliseum, half of Aggie Quad, I-Lot (the cage), half of the Stadium Lot, Engel, and Wallace lots, and the following streets: Turner, Kent, and Washington; and the south side of the Drillfield.

Any vehicles parked in these areas, other than for the purpose of unloading, will be ticketed to provide space for the move-in process. During the period of August 19-22, Washington Street will become a one-way street. Traffic will be allowed to move from west to east (from the Coliseum toward Kent Street and downtown Blacksburg). Campus police expect very slow moving traffic along this corridor, and strongly suggest avoiding Washington Street during these days.

Faculty and staff members should park in areas not temporarily designated for one-hour loading. Police recommend using B-Lot (located off Perry Street adjacent to Whittemore Hall) and the Litton-Reaves lot.

For the convenience of faculty and staff members, a Blacksburg Transit shuttle plan has been developed for August 19 and 20. From 7 a.m. to 6 p.m., at 30-minute intervals, two Blacksburg Transit shuttle vans will run from B-Lot and Litton-Reaves Lot to central campus. The shuttle will stop at entrances and exits of all the outlying parking lots where temporary signs will be placed.

For more information call the University Police at 1-2411 or Parking Services at 1-3200.

### Australian professor to speak

A public lecture by John Dryzek, sponsored by the School of Public and International Affairs will be held on Monday, Sept. 6 at 7 p.m. in 113 McBryde. The lecture is titled: *Deliberative Democracy: Liberal Constitutionalism and a Critical Alternative*.

Dryzek is from the Department of Political Science at the University of Melbourne. His published works include books on *Discursive Democracy: Democracy in Capitalist Times*; and *The Politics of the Earth*. He currently is engaged in a

## BULLETINS

major study of democracy and democratization in East/Central Europe.

A reception sponsored by the department of Urban Affairs and Planning will follow the public lecture.

Dryzek will also present at a faculty seminar September 7 at 4 p.m. on his work in eastern Europe. For information, contact James Bohland at 1-5517 or [jayjon@vt.edu](mailto:jayjon@vt.edu).

### Pamphlet explains staff roles in governance

The Communications Committee of the Staff Senate has prepared a brochure explaining the role staff members have in shared governance at Virginia Tech. The pamphlet lists the various staff associations, the history of staff governance and the benefits of participating in the associations, committees, councils, and commissions of the university.

This brochure will be mailed to all staff members. For more information, access the Staff Senate site at [www.staffsenate.vt.edu](http://www.staffsenate.vt.edu). Questions can be addressed to [staffsenate@vt.edu](mailto:staffsenate@vt.edu). To receive up-to-date announcements or to leave a message, call 1-2585.

### Accelerated language courses offered

The department of Foreign Languages and Literatures will be offering new courses open to non-students. Introductory courses will be offered in Hebrew and Italian. The three-credit courses will not count toward a foreign language requirement. They are designed for people with little or no previous experience with the languages.

Four-credit accelerated elementary courses which condense two semesters of instruction into one will count toward the foreign-language requirement, and are subject to sufficient enrollment. These courses will be offered in Italian and Spanish.

Accelerated intermediate courses in Italian, Chinese and Japanese will also be available as a four-credit session that will count toward a foreign-language requirement. They are also available in both A-F and P/F options.

For more information contact the department of Foreign Languages and Literatures at 1-5361 or e-mail [jshrum@vt.edu](mailto:jshrum@vt.edu).

### Water Center sponsoring symposium

The Water Center is sponsoring a symposium on "Innovative Wastewater Treatment Technologies For Small Communities"

to be held on September 10, from 8:15 a.m.-4 p.m. at the Donaldson Brown Hotel and Conference Center. The event is co-sponsored by several academic departments at Virginia Tech and Town of Blacksburg. For more information call 1-5624 or e-mail: [water@vt.edu](mailto:water@vt.edu).

### CPS rating classes open to area office workers

The CPS Group, comprised of Virginia Tech employees who have earned the rating of certified professional secretaries, is kicking off a series of study classes during the fall for office professionals in the New River Valley area, giving office professionals in the area an opportunity to earn the CPS rating.

The goals of the study classes are to gain the skills and knowledge to sit for the CPS examination, to build personal confidence and a sense of accomplishment, and to support their own professionalism and career goals. Continuing Education Credits will be awarded for the study sessions.

The CPS examination is a three-part, one-day examination. The exams are held twice a year, the first Saturday in May and November. The CPS rating is the only achievement in existence today of the internationally recognized standard of proficiency as an office professional.

For more information on CPS, the study classes or the examination, call Brenda Husser at 1-6878.

### CNS changes modem pool change date

Due to feedback Communications Network Services (CNS) has received, the modem pool access-change publicized in an August 10 e-mail has been delayed until late August or early September. The modem pool access change (the tacacs+ authentication system) was not implemented on August 16. The delay will allow additional time for Information Systems personnel to work with those having unique difficulties related to the change.

When implemented, the modem-pool change will allow Virginia Tech to meet state-mandated milestones for year 2000-compliant systems, and will address CNS's need to resolve security/privacy issues in the current authentication process.

This access change does not affect on-campus Ethernet users.

Questions about modem pool software configuration changes should be directed to [4help@vt.edu](mailto:4help@vt.edu) or 1-HELP (1-4357). Questions about the modem pool should be directed to CNS at 1-6780.

# ACHIEVERS

**Robert M. Shaffer**, professor of forestry, was voted the first-place winner of the Division's Technical Writing Awards by Appalachian Pulpwood Association's Appalachian Technical Division Policy Committee on his Technical Release 99-R-6, *The Myth of Horse Logging*.

**Thomas W. Keenan**, professor and former head of the Biochemistry Department, was named a fellow of the American Dairy Science Association (ADSA). Keenan received the award June 20 at the 94th annual meeting of the association in Memphis, Tenn.

Election to fellow is one of the highest honors bestowed by the association. The award recognizes members for their distinguished service to the dairy industry for 20 years or more.

Keenan's discoveries during 30 years of research is

credited with vastly improving the understanding of the mammary gland and milk secretion, benefiting both academic and industrial dairy science.

Keenan has taught extensively at both the undergraduate and graduate levels. Some of the courses he has taught have included dairy chemistry, biochemistry, and general laboratory methods and instrumentation. Keenan has served on the editorial board of *Journal of Dairy Science* as well as chair of the *Journal's* management committee.

**Ann A. Hertzler**, HNFE professor and Extension specialist in human nutrition and wellness, presided over presentations at the National Society of Nutrition Educators held July 27. She led "Nutrition Storybooks for Young Children: Program Outcomes." The presentations by Family and Consumer Sciences Extension

agents included "Let's Start Eating Smart: Master Volunteer Program for Kindergarten and Preschool" by **Kay Burke** of the Amelia County office; "Teaching Nutrition to Youth Through Story Books" by **Sarah Burkett** of the Pulaski County office; "Increase Consumption of Fruits and Vegetables" by **Patsy Pelland** of the Prince Edward County office; and "Reaching At-Risk Youth" by **Sharon Diggs** of the Pittsylvania County office.

**Ellen Krupar**, college librarian for business, reviewed a CD-ROM for *Business Information Alert* (volume 11, no. 6, June 1999), a professional newsletter for business librarians in corporations, universities, and public libraries nation wide. Krupar reviewed the EIU Country Data CD-ROM that offers comparison economic data for 115 countries across 272 economic series.

# 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 "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 unless otherwise stated. An EO/AA employer committed to diversity.

### Full Time

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

**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.

**Enrollment Services Specialist**, 7487T, Grade 8, Office of Multicultural Affairs.

**Events Planner**, 6690D, Grade 8, VP for Development and University Relations.

**Executive Secretary**, 1228T, Grade 6, Office of Scholarships and Financial Aid.

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

**Fiscal Assistant**, 6582J, Grade 5, Center for Wireless Telecommunications.

**Food Operations Assistant A/Potwash**, 0750H, Grade 1, Residential and Dining Programs/Shultz Dining Center.

**Food Operations Assistant A/Server**, 0487H, Grade 1, Residential and Dining Programs/Dietrick Dining Hall.

**Food Operations Assistant A/Server**, 0986H, Grade 1, Residential and Dining Programs/Dietrick Dining Hall.

**Food Operations Assistant B (3rd Cook)**, 0774H, Grade 2, Residential and Dining Programs/Dietrick Dining Hall.

**Food Operations Assistant B/Shop Leader**, 0582H, Grade 2, Residential and Dining Programs/Cochrane—West End Market.

**Food Operations Assistant B/Shopleader-cashier**, 1150H, Grade 2, Residential and Dining Programs/Owens Food Court.

**Food Operations Assistant B/Shopleader-cashier**, 0561H, Grade 2, Residential and Dining Programs/Shultz Dining Center.

**Food Operations Manager A (Sales And Marketing Manager)**, 0478H, Grade 8, Residential and Dining Programs/Personal Touch Catering.

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

**Food Operations Assistant B/Shopleader-cashier**, 0029H, Grade 2, Residential and Dining Programs/Owens Food Court.

**Food Production Worker A (2nd Cook)**, 0774H, Grade 3, Residential and Dining Programs/Dietrick Dining Center.

**Food Production Worker A (2nd Cook)**, 0775H, Grade 3, Residential and Dining Programs/Owens Dining Center.

**Food Production Worker B (1st Cook)**, W022849H, Grade 5, Residential and Dining Programs/Personal Touch Catering.

**Food Production Worker B (1st Cook)**, 0767H, Grade 5, Residential and Dining Programs/Owens Food Court.

**Food Production Worker**, 0978H, Grade 3, Residential and Dining Programs/West End Market.

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

**Highway Equipment Operator A**, 540P, Grade 4, Physical Plant.

**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.

**Laboratory Specialist**, 7492M, Grade 8, Biochemistry.

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

**Material Expediter**, 7477P, Grade 8, Physical Plant.

**Nursing Assistant**, 7490J, Grade 4, Adult Day Services.

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

**Office Services Assistant**, LC087P, Grade 4, Hokie Passport Office.

**Office Services Specialist**, 931T, Grade 5, University Registrar.

**Oracle DBA**, 7433D, Grade 14, Administrative Information Systems.

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

**Police Dispatcher**, 364T, Grade 6, Police.

**Program Support Technician**, 1535J, Grade 6, Engineering Science and Mechanics.

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

**Program Support Technician**, 7473T, Grade 6, Provost.

**Programmer**, IW2000D, Grade 10, Administrative Information Systems.

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

**Programmer/Analyst**, IW2001D, Grade 12, Administrative Information Systems.

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

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

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

**Security Guard (Parking Enforcement Off.)**, 7042T, Grade 2, Parking Services.

**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.

### Part Time

**Banquet/Setup (Foa-b)**, W022143G, Grade 2, DBHCC.

**Computer Operations Technician Senior**, W022854T, Grade 8, Mathematics.

**Food Operations Assistant (Server)**, W022531G, Grade 1, DBHCC.

**Food Operations Assistant A (Dish-washer)**, W022679G, Grade 1, DBHCC.

**Food Operations Assistant A**, W022314H, Grade 1, Residential and Dining Programs.

**Food Operations Assistant B**, W022315H, Grade 2, Residential and Dining Programs.

**Housekeeping Worker**, W020574G, Grade 1, DBHCC.

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

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

**Housekeeping Worker**, W020214G, Grade 1, Schiffrer Health Center.

**Laboratory Aide**, W020811M, Grade 2, College of Veterinary Medicine.

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

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

**Office Services Assistant**, W022287M, Grade 4, College of Veterinary Medicine.

**Office Services Specialist**, W022862C, Grade 5, Administrative Information Systems (IRM).

**Office Services Specialist**, W022276P, Grade 5, Bursar.

**Office Services Specialist**, 1248J, Grade 5, Graduate School.

**Office Services Specialist**, W022331G, Grade 5, Program Development.

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

**Program Support Technician**, W022648G, Grade 6, DBHCC.

**Program Support Technician**, 7344T, Grade 6, Mathematics.

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

**Research Specialist**, W022865M, Grade 8, Fisheries and Wildlife Sciences.

**Research Specialist**, W022866M, Grade 8, Fisheries and Wildlife Sciences.

**Secretary Senior**, W020618M, Grade 5, College of 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 Renovations Design Supervisor**, U7139P, Grade 13, Physical Plant.

**Trades Utilities Lead Worker**, U7110P, Grade 7, Physical Plant.

**Off Campus Agricultural Technician B**, 7338M, Grade 5, Southern Piedmont AREC.

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

## FACULTY POSITIONS

### NON-INSTRUCTIONAL

**Virginia Cooperative Extension, Executive Director, Virginia 4-H Foundation/Extension Specialist, 4-H Youth Development**. Position #110010, Blacksburg. Submit letter of intent, complete resume, official undergraduate and graduate transcripts and three letters of reference. VCE

internal applicants submit letter of application, copy of the most recent faculty report, and three letters of reference. Review begins August 30 and continues until position filled. Send to John Dooley, Virginia Cooperative Extension, 119 Hutcheson Hall (0419) Inquiries: 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: [csowers@vt.edu](mailto:csowers@vt.edu).

**Virginia Cooperative Extension, Extension Agent, Agriculture and Natural Resources**. Position #FA615, Crop and Soil Science, Lancaster/Northumberland Counties. Submit letter of intent, complete resume, official undergraduate and graduate transcripts, and three letters of reference. VCE internal applicants submit letter of application, copy of most recent faculty report, and three letters of reference. Review begins September 6, and continues until position filled. Send to Steve Umberger, Virginia Cooperative Extension, 122 Hutcheson Hall (0437). Inquiries: 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: [csowers@vt.edu](mailto:csowers@vt.edu).

**Virginia Cooperative Extension, Extension Agent, 4-H Youth Development**. Position #FA619, Isle of Wight County. Submit letter of intent, complete resume, official undergraduate and graduate transcripts, and three letters of reference. VCE internal applicants submit a letter of application, copy of most recent faculty report, and three letters of reference. Review begins September 13, and continues until position filled. Send to John Dooley, Virginia Cooperative Extension, 122 Hutcheson Hall (0437). Inquiries: 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: [csowers@vt.edu](mailto:csowers@vt.edu).

**Virginia Cooperative Extension, Extension Agent, Agriculture and Natural Resources, Environmental Horticulture**. Position #FA492, Fairfax County. Submit letter of intent, complete resume, official undergraduate and graduate transcripts, and three letters of reference. VCE internal applicants submit letter of application, copy of most recent faculty report, and three letters of reference. Review begins September 13, and continues until position filled. Send to Steve Umberger, Virginia Cooperative Extension, 122 Hutcheson Hall (0437). Inquiries: 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: [csowers@vt.edu](mailto:csowers@vt.edu).

**Department of Materials Science and Engineering, Department Head**. Screening begins December 1 and continues until position filled. Applications, inquiries: Stephen L. Kampe, Materials Science and Engineering Department, 213 Holden Hall (0237). E-mail: [kampe@vt.edu](mailto:kampe@vt.edu).

**Department of Electrical and Computer Engineering, Research Scientist**. Applications, inquiries: G.S. Brown, ECPE, 340 Whittemore (0111). Review begins August 15 and continues until position filled.

**Department of Electrical and Computer Engineering, Research Associate**. Applications, inquiries: L. Guido, ECPE Department, 340 Whittemore (0111). Review begins August 13 and continues until position filled. Renewed yearly.

**Department of Plant Pathology, Physiology and Weed Science, Postdoctoral Research Associate**. Send curriculum vitae, letter describing research interests and experience, and three letters of recommendation to Kriton K. Hatzios, Department of Plant Pathology, Physiology and Weed Science (0331) fax: 1-7477; e-mail: [hatzios@vt.edu](mailto:hatzios@vt.edu). Review begins August 15.

**Department of Athletics, Strength and Conditioning Coordinator for Men's Olympic Sports**. Cover letter, resume, three references to Pamela Linkous, HR Coordinator for Athletics, Virginia Tech Athletics (0502).

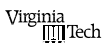
## TO THE EDITOR

For the past couple of months, the heat index has been well above normal, which makes working outside very difficult. However, those employees who work outside mowing, trimming the trees or landscaping have continued to make the campus look very nice. I would like to commend these individuals at Virginia Tech who have to work outside in these conditions. Especially, the individuals in the Grounds De-

partment, as well as those responsible for picking up litter around the campus and the 460-bypass entrance. These individuals are also responsible for working in the cold by removing snow and ice from parking lots and clearing sidewalks during the winter.

Thanks for all you do.

Judy Fielder, program-support techni-



VIRGINIA POLYTECHNIC INSTITUTE  
AND STATE UNIVERSITY

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## IN OTHER NEWS

### Newman Library extends hours

By Catherine Doss

In response to student requests, Newman Library will extend its hours this fall semester. The library will stay open until midnight on Friday and Saturday nights. Previously, the library closed at 10 p.m. on Fridays and 6 p.m. on Saturdays. The library will continue to open at 7:30 a.m. Mondays through Fridays and at 9 a.m. on weekends.

"With more than 112 operating hours per week, this puts Newman Library in the top 50 percent of all Association of Research Libraries in terms of accessibility," said Dean of Libraries Eileen Hitchingham.

Student leaders and members of the Order of the Gavel had requested that the library stay open later on Friday and Saturday nights. With funds provided by the Office of the Provost, the library will implement its new hours in fall and

spring semesters as part of a pilot project. At the end of spring semester 2000, usage data will be evaluated to determine if the extended hours should continue.

"We welcome the opportunity to experiment with extending library hours, since this is something students have expressed an interest in for the past several years," Hitchingham said.

Provost Peggy S. Meszaros said this was one of many pro-active approaches the university was taking to curb alcohol abuse by students.

"We want to provide as many opportunities as possible for students to engage in activities other than alcohol use," she said.

For more information about the library, its hours, and other services, visit its web site at <http://www.vt.edu/v98/libraries.html>.

### Three Pamplin students receive Armstrong Multicultural Scholarships

By Sookhan Ho

Three students at Virginia Tech's Pamplin College of Business have each received \$1,000 Armstrong Multicultural Education Scholarships from Armstrong World Industries.

Nedenia-Mae Llamas, Antonio E. Rejojo, and Rebecca W. Soto are among a select group of only 25 recipients from 10 colleges and universities nation wide. The scholarships are awarded to students who are members of minority groups and who qualify on the basis of academic achievement, community service, extracurricular activities, leadership, and communication skills.

Llamas is an Asian student majoring in marketing; Rejojo is a Hispanic student who is also majoring in marketing; and Soto is a Hispanic student majoring in accounting. The three, who have grade-point averages ranging from 3.7 to 4.0, are active in student clubs and volunteer work. They were nominated by As-

sociate Dean for Undergraduate Programs Norrine Bailey Spencer.

Rejojo, a consistent dean's-list student, received the '98-'99 Pamplin Rising Junior Award and was elected to Golden Key, Phi Kappa Phi, and Beta Gamma Sigma. Soto has been elected to several honor societies, including Beta Alpha Psi. Llamas is secretary of the Filipino-American Student Association at Tech. Armstrong, based in Lancaster, Pa., manufactures and sells interior furnishings.

### BOARD

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session at 7:30 a.m. in the DBHCC Private Dining Room. The open session will begin at 8:30 a.m. in the Executive Conference Room.

Student Affairs will meet at 8:30 a.m. in DBHCC conference room C.

The board will meet for an informational session Sunday, Aug. 22, at 3 p.m.

## VIRGINIA TECH RECYCLING

### New Guidelines Detailed

As of Monday, Aug. 16, Virginia Tech Recycling (VTR) began collecting the following grades of paper for recycling: sorted office paper, glossy magazines and catalogs, and newspapers. These are exactly the same grades of paper now collected through the Town of Blacksburg's curb-side recycling program.

Guidelines for these grades of paper are as follows:

**Sorted Office Paper:** computer printout, copier/typing paper, pastel-colored sheets, manila folders, envelopes (with and without windows), carbonless paper, pamphlets/brochures, and fax paper.

**Unacceptable items:** carbon paper, ream wrappers, dark-colored folders, neon-bright

sheets, cereal-type boxes, paperback books/directories, and Tyvek envelopes.

**Glossy magazines and catalogs:** any magazine or catalog with all glossy pages. Unacceptable items: magazines or catalogs with glossy covers and newsprint-type pages.

**Newspapers:** all the pages that come with daily or Sunday newspaper—comics, glossy inserts, and news pages.

Gray, plastic "stackable" recycling bins are scheduled to be re-labeled to fit the new guidelines on Friday, Aug. 13. Contact VTR regarding bins which have not been re-labeled. VTR will take shredded paper. Do not shred carbon paper for recycling. Place bags beside recycling bins. For more than two big bags, contact VTR for a special pickup.

Revised paper-recycling guidelines labels are available for the front of the desk-side "Hokie Cyclers." Labels with the new guidelines, are available from VTR.

For more information, call 1-9915, e-mail [lbechtel@vt.edu](mailto:lbechtel@vt.edu) or access web site [www.vt.edu/10021/vtrecycle](http://www.vt.edu/10021/vtrecycle).

### TECH

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their contributions totaled more than \$16.3 million, almost 23 percent of the year's total—while support from students more than doubled. Foundation grants also rose dramatically from \$3,456,709 to more than \$7.7 million.

The record year comes in conjunction with other new precedents in giving to the university. Virginia Tech's phonathon program, in which student callers ask alumni and other supporters for annual commitments, broke its previous pledge record by more than 12 percent and ended the year at \$2,252,900. And the Ut Prosim Society, the university's most prestigious donor recognition organization, inducted 70 new members, swelling its ranks to an all-time high of 534 active members.

"This type of support, especially after an extensive, successful campaign, speaks volumes about our donors," said Charles Steger, vice president for Development and University Relations. "We've had an extraordinary year and it has proven that the momentum set during the Campaign for Virginia Tech is indicative of what we can expect in the years to come."

### NEW MEMBERS

Continued from 1

operated hotels in several states. Latham was appointed by Governor Charles Robb to serve one term on the Board of Visitors in 1985. Latham succeeds former BOV member, Joseph Jenkins.

Johnson, a resident of Roanoke, is an attorney in private general practice. His law experience began in 1973 with an associate membership in the Ganas and Natkin law firm in Lexington. Johnson became an associate member in several other firms and in 1985, became a partner with Shott and Johnson in Bluefield, WV. Johnson succeeds former BOV member, Rod Layman of Pulaski.

### STATISTICS

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summer session at North Carolina State.

When Harshbarger returned to Virginia Tech in 1942, he "arranged a series of courses in mathematical statistics for the Mathematics Department and applied statistics courses for the Agricultural Economics Department," he said in his booklet *Statistics: VPI&SU 1927-72 and Personal Reminiscences* (from which the history in this narrative comes).

During the war years, Virginia Tech was chosen to help train soldiers, so Harshbarger taught econometrics and gave a course to the administrative staff of the Army Ammunition Plant.

In 1947, a summer session planned by Harshbarger drew more than 100 students from 37 states and six foreign countries—and more than its share of excitement. What Harshbarger didn't know until afterwards was that one of the students was a Russian spy that the FBI had been trailing.

In 1948, statistics became a part of the Agricultural Experiment Station and had its own budget. The Statistical Laboratory organized to provide consulting and calculations to researchers at the Agriculture Experiment Station and throughout the college.

"I even helped harvest the crops, checking the weights, arranging for more accurate scales," Harshbarger wrote. Over the years, the laboratory provided consulting service to researchers throughout the university, and that support continues now through the Statistical Consulting Center. Through that center, statistics faculty members and graduate students provide more than 3,000 consultant hours per year. "We are applied oriented, not just theory oriented," Hinkelmann said.

In 1949, statistics became a separate

department in what would later become the College of Arts and Sciences. It offered a master's of science in statistics. In 1951, it added a doctorate, and in 1957, an undergraduate degree.

By the end of 1950, the department had four Ph.D. faculty members. In 1951, Harshbarger founded the *Virginia Journal of Science*, the official publication of the Virginia Academy, and served as editor in chief. In the 1950s and 1960s, the department hired and lost several faculty members who were lured away

to become heads of departments being established at other universities.

In 1957, a contract to head up the reliability program of the Redstone Missile meant that "all of the faculty (members), as well as the graduate students and secretaries working on the contract, received secret clearance," Harshbarger wrote. As a result, Virginia Tech's Department of Statistics "finished the program on Reliability and Quality Control necessary for the Redstone Missile that put the first man in space for the United States."

Harshbarger's particular pride and joy was his ability to recruit high-quality graduate students. Many of them went on to head other statistics departments, become deans of colleges and full professors, work for state and national governments, and head bureaus and institutes, as well as fill high executive positions in large corporations. Others made names for themselves in research. Between 1949 and 1999, the department awarded 500 M.S. degrees, 275 Ph.D. degrees, and 425 B.S. degrees.

Harshbarger remained head of the department until 1972 and retired in 1976. He died in 1998. Department heads since Harshbarger were Jesse Arnold (1973-1982), Hinkelmann (1982-1993), and Marvin Lentner (1993-1999). In July, Jeff Vining, who received his M.S. in 1986 and his Ph.D. in 1988, both from Virginia Tech, will become its head.

