

# SPECTRUM



VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

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VOLUME 22 NUMBER 28 FRIDAY, APRIL 14, 2000

TODAY'S EDITION  
See page 3 for  
information on Staff  
Appreciation Day.

## Presidential Installation to highlight activities

### Roselle to speak at Founders Day 2000

By David Nutter

David Roselle, president of the University of Delaware and former provost of Virginia Tech, will be a guest speaker at the Founders Day 2000 and Presidential Installation ceremony on Friday, April 28.

Roselle served as Tech's provost from 1983 until 1987. He came to Tech as a professor of mathematics in 1974. Roselle was appointed dean of the Graduate School in 1979 and dean of Research and Graduate

Studies in 1981. He left Virginia Tech to become president of the University of Kentucky. He has been president of the University of Delaware since 1989.

The Founders Day/Presidential Installation convocation will begin at 3 p.m. in Burruss auditorium. This year's Founders Day marks a major departure from previous programs. The university will present three major awards at the ceremony. The faculty and staff awards will be presented at a Fall Honors Convocation on

September 20. The highlight of this year's convocation will be the installation of Charles Steger as Virginia Tech's fifteenth president. Steger will share with the university community his vision for the university's future.

The ceremony will also be carried live on Channel 6 of the campus cable system and the Channel 15 on the Blacksburg cable system.

All Virginia Tech faculty and staff members, students and members of the university community are invited to attend.

## An Open Letter to the University Community

Founders Day is always a special occasion, but this year it is unusually significant. As part of this year's Founders Day activities, Charles Steger will be installed as the 15th president of Virginia Polytechnic Institute and State University. An opportunity to be part of such a pivotal moment in the history of our institution does not come along often. We also will be honoring two distinguished alumni and presenting the Ruffner Medal. Please come and join in the celebration of the heritage of Virginia Tech and the formal installation of its future.

In 30 years on the faculty at Virginia Tech, I have seen four presidents guide us through different stages in the development of the institution. T. Marshall Hahn was the power behind the growth of the university from a specialized collection of professional programs into a comprehensive university. William Lavery presided over the change in the university from a newly grown institution to a stable academic system. James McComas shepherded us through difficult times of budget reductions and readjusted expectations, and Paul Torgersen spearheaded our recent renaissance, a successful major fund drive, and our growing national recognition on many fronts.

But now we face a new century. Dr. Steger already has begun to share his vision of where he wants to take the university in the coming years. In these times of restricted support from the commonwealth it will take new ideas and new methods if we are to continue to advance, and Dr. Steger is determined to have us improve our position on the national scene in higher education. We must prepare to act on the changes and new challenges that face the university under our new administration. Our future depends on your cooperation and participation. Come join us on Founders Day as we install our new president and begin the future for Virginia Tech.

Richard Bambach, president of the Faculty Senate

## Two Tech programs receive SCHEV funding

By Sally Harris

Two programs at Virginia Tech received funding recently from the State Council of Higher Education in Virginia (SCHEV) through the Dwight D. Eisenhower Professional Development Program.

The Virginia Tech Mobile Chemistry Laboratory, initiated and directed by Barbara B. Bunn, assistant professor of chemistry, received \$38,615. The lab in a tractor-trailer contains the latest in chemistry-laboratory equipment. It travels to schools throughout Southwest Virginia to enable the state's chemistry teachers to provide top-level

laboratory experiences for students in rural schools whose labs are not up to date. The laboratory provides an innovative way for students to increase their knowledge of chemistry and, thereby, possibly enhance their scores on the state's Standards of Learning (SOL) tests.

The second program, titled Networking with Dynamic Geometry Teachers, received \$61,344 in funding. Susan Hagen, instructor of mathematics, initiated and directs the program. The award will fund tuition for 100 high-school geometry teachers to take an on-line distance geometry course from Virginia Tech. With the aid of technology, the teachers will have the

opportunity to create, explore, and present geometry dynamically, Hagen said. The goal is to help the teachers develop a deeper understanding of the geometry SOL's so that they can translate that understanding to their students.

Of the 38 proposals submitted, only 20 were recommended to SCHEV for funding, according to Phyllis Palmiero, acting director. "The review panel was impressed with the quality of the proposals submitted," Palmiero wrote. "You and your faculty members are to be commended for the important work you are doing with area public schools."

## Robertson literary prize established

The Civil War Library and Research Center has announced the formation of a new literary award, the James I. Robertson Jr. Prize for Confederate History.

The award will be bestowed annually to the author of the best original work of published scholarship in the field of Confederate history—military, political or social. Publishers are invited to submit any work released in 2000 for the inaugural competition. The author of the winning entry will also receive \$1,000 in recognition of his accomplishment.

"Increased interest in the Civil War, coupled with changes in the publishing industry, have led to an explosion of books on the subject," said Robertson Prize chairman Joseph Pierro. "But ironically, as mass interest has intensified, the attention of professional historians to this period—especially the Confederate experience—has waned.

"If continued," Pierro said, "this trend within the academic community will have the chilling effect of rendering this nation's most formative event its least understood." Accordingly, "the Robertson Prize serves two functions: to ensure that works of quality are foregrounded for the enthusiast, and to inspire historians to uncover, interpret and preserve Confederate history for succeeding

(See ROBERTSON on 3)



George Flick, university distinguished professor of food science, addresses participants at the groundbreaking ceremony. (A. Corzra)

## Ground broken for aquaculture center

By Angela I. Correa

Researchers, Extension specialists, local leaders, and legislators were on hand Saturday, April 8, to participate in a groundbreaking ceremony for the new Southwest Virginia Aquaculture Center, which will be located in Saltville.

The goal of the Southwest Virginia Aquaculture Center will be to channel knowledge gained during decades of re-circulating aquaculture research at Virginia Tech and other

universities towards farmers, entrepreneurs, and industry executives who are in need of new avenues for the profitable use of their land and resources. The center will serve to develop sound economic models and other resources for re-circulating aquaculture ventures, resources that will be used by persons considering starting a fish farm of their own. The center will also encourage and support the development of new aquaculture farms through

(See GROUND on 4)

## Vice president candidates' visits scheduled

The list of applicants for the position of vice president for development and university relations and executive vice president for advancement of the Virginia Tech Foundation, Inc., has been narrowed to three finalists.

Executive Vice President Minnis Ridenour, chairman of the search committee,

(See VICE PRESIDENT on 4)

# ACTIVITIES

## EVENTS

### Friday, 14

#### Salary and Wage Paydate.

**CEUT Program**, noon-2 p.m., Hillcrest: Lunch and Learning Communities.

**Faculty Recital**, 8 p.m., Squires Recital Salon: Clyde Shaw and members of the Audubon Quartet.

**Music Event**, 8 p.m., Squires Old Dominion Ballroom: Symphonic Wind Ensemble.

**Theatre Event**, 8 p.m., Squires Studio Theatre: "Much Ado about Nothing."

### Saturday, 15

**Fishing Tournament**, 8 a.m.-2 p.m., Duckpond: 17th Annual Mudbass Classic.

**Pet Show**, 10 a.m.-4:30 p.m., Animal Judging Pavilion.

**Music Event**, 8 p.m., Squires Haymarket Theatre: New Virginians.

**Theatre Event**, 8 p.m., Squires Studio Theatre: "Much Ado about Nothing."

### Sunday, 16

**YMCA Hike**, 1:30 p.m., 403 Washington St.: Pandapas Pond.

**Student Preview**, 6:30-7:30 p.m., 126 Squires.

### Monday, 17

**University Council**, 3-5 p.m., 1045 Pamplin.

**Family Support Program**, 7:30 p.m., Squires Colonial Hall: Dan Kindlon

### Tuesday, 18

**Bloodmobile**, 10 a.m.-4 p.m., Squires Student Center.

**Service Learning Expo**, 11 a.m.-5 p.m., Old Dominion Ballroom.

**Family Support Program**, noon-1 p.m., DBHCC conference room G: Dawn Barnes.

**Theatre Forum**, 3:30 p.m., Squires Studio Theatre: Ben Cameron.

**Theatre Event**, 8 p.m., Squires Studio Theatre: "Much Ado about Nothing."

### Wednesday, 19

**Bloodmobile**, 10 a.m.-4 p.m., Squires Student Center.

**OWF Lunch**, noon-1 p.m., DBHCC Dining Room.

**CEUT Celebration**, 4-6 p.m., Hillcrest.

**"With Good Reason,"** 7 p.m., WVTF: "Creating From Trauma."

**Theatre Event**, 8 p.m., Squires Studio Theatre: "Much Ado about Nothing."

### Thursday, 20

**Bloodmobile**, 10 a.m.-4 p.m., Squires Student Center.

**Staff Senate**, noon, 1810 Litton-Reaves.

**Theatre Event**, 8 p.m., Squires Studio Theatre: "Much Ado about Nothing."

### Friday, 21

**Homelessness Forum**, 9 a.m.-noon, DBHCC.

**Homeless Simulation**, 1-3 p.m., Squires Old Dominion Ballroom.

**Faculty Recital**, 8 p.m., Squires Recital Salon: Mary Louise Hallauer.

**Theatre Event**, 8 p.m., Squires Studio Theatre: "Much Ado about Nothing."

## SEMINARS

### Friday, 14

**Highlands in Chemistry**, 11 a.m., 3 Davidson: Charles

Casey, Wisconsin.

**MCBB**, noon, 102 Fralin: David Mount, Arizona.

**Botany**, 4 p.m., 1076 Derring: William DiMichele, Smithsonian Institution.

### Monday, 17

**Biomedical Engineering**, 3 p.m., 114 Holden: Michael Buschmann, Montreal.

**Horticulture**, 4 p.m., 101 Saunders: Jonathan Watkinson.

**Mechanical Engineering**, 4 p.m., 110 Randolph: Marshall Fishwick, Bob Comparin.

### Tuesday, 18

**Electrical/Computer Engineering**, 3:30 p.m., 300 Whittemore: Sanjay Raman.

### Wednesday, 19

**Water Science**, noon, 108 Seitz: Tamim Younos, Virginia Water Resources Research Center.

### Thursday, 20

**Statistics**, 3:45 p.m., 409 Hutcheson: Peter McCullagh, Chicago

**CSES**, 4 p.m., 246 Smyth: Michael Gore.

**Geological Sciences**, 4 p.m., 4069 Derring: David des Marais.

**ISE**, 4 p.m., 349 Whittemore: Louis Matin-Vega.

**Plant Physiology**, 4 p.m., 102 Saunders: Muzaffer Cicek.

### Friday, 21

**Highlands in Chemistry**, 11 a.m., 3 Davidson: F. Ann Walker, Arizona.

**MCBB**, noon, 102 Fralin: Joy Bergelson, Chicago.

**Botany**, 4 p.m., 1076 Derring: Jody Riley.

## BULLETINS

### Presentation to focus on homebuilding

Liza A. Bowles, president, NAHB Research Center, will make a presentation titled "Advances in Homebuilding Technology and Design" on Tuesday, April 25 from 3-4:30 p.m. in the Burruss Building Construction Studio, room 123B. This is an opportunity to learn about cutting-edge research influencing the design and construction of residential buildings. Bowles visit is sponsored by the College of Architecture and Urban Studies and the Department of Urban Affairs and Planning Speaker Series. For more information, please contact Ted Koebel at 1-3993.

### PID available now

Information Resource Management (IRM) is responsible for setting up each new faculty or staff member or student who arrives at Virginia Tech with a personal identifier (PID). An automated process is in place that will allow all new members of Virginia Tech to have a PID that is unique to the individual and can be used for everything from e-mail to on-line registration. PID's for faculty and staff members are generated when an Appointment and Change of Status Form (P3A) is submitted to Human Resources and entered into the Banner Personnel Database. To find out what an individual's PID is, link to <https://www.ucs.vt.edu/pidtool/> and click on the VT People Finder. Direct any questions and/or comments to [irmhelp@vt.edu](mailto:irmhelp@vt.edu) or contact IRM personnel at 1-4799.

### Women's contributions to math examined

Margaret Murray, associate professor in the department of Mathematics, will present the talk in the Donaldson Brown Hotel and Conference Center auditorium at 7 p.m. on Monday, April 24 titled "Women in Mathematics: From Hypatia to Herta Freitag."

The presentation describes the history of women's involvement with mathematics, emphasizing the key role that women played in mathematical research and teaching in the 20th Century, especially in the United States.

The Department of Mathematics is sponsoring the event in celebration of Math Awareness Month. The event, which is free of charge, is appropriate for high school and university students, faculty and staff, and community residents.

For more information, call Susan Anderson at 1-8041 or e-mail [anderson@math.vt.edu](mailto:anderson@math.vt.edu).

### American Cancer Society grants available

The American Cancer Society has funded an Institutional Research Grant to Virginia Tech. Applications are invited from junior faculty members for two grants of \$20,000 each for one year to

perform studies on basic, clinical (including cancer control, health services and psychosocial/behavioral cancer research), pre-clinical, epidemiologic and health policy/outcome research. These grants are intended for new investigators (within eight years of first independent academic appointment) without an active nationally competitive research grant (i.e. NIH, NSF, ACS).

The details on policies, list of committee members who may be contacted for questions and applications for the Individual Allocation of the Institutional Research Grant are available at [www.vetmed.vt.edu/College/forms/techcamp/grantforms.html](http://www.vetmed.vt.edu/College/forms/techcamp/grantforms.html).

Description of research proposed including references should not exceed six one-sided, single spaced, typed pages. Preliminary data, if available, may be included. Junior faculty members from the various departments are encouraged to apply. Submit a hard copy of the application to Mitzi Nagarkatti, department of Biomedical Sciences and Pathobiology, VA-MD Regional College of Veterinary Medicine, and an electronic copy to [mnagarka@vt.edu](mailto:mnagarka@vt.edu) by May 15. Awards will be made starting July 1.

### Technology initiative developers on campus

Eric White and Michael Leonard, lead developers of the Penn State technology advising initiative, will be the guests at a roundtable discussion on the use of technology in academic advising on Tuesday, April 18, 2:30-3:30 p.m. in Squires Jamestown Room. Faculty advisors, students, and staff members are invited to attend.

The speakers will address issues regarding maintaining the "personal touch" in academic advising while at the same time incorporating the efficient use of technology. White has held leadership positions in the National Academic Advising Association.

The presentation is sponsored by the Office of the Provost. For more information, contact Cheryl Adkins at 1-6122.

### Fifth Service-Learning Expo set

The fifth annual Service-Learning Expo featuring an exhibit of outstanding projects from 1999/2000 is scheduled for Tuesday, April 18, in the Squires Old Dominion Ballroom. Posters are on display from 11 a.m.-5 p.m. A reception for guests begins at 3 p.m. followed at 4:15 p.m. by recognition of outstanding service-learners, educators, and sites. This year's exhibit features posters of 28 different service-learning activities in Appalachian Studies, humanities, computer science, human development, leadership, women's studies, political sciences, English, fisheries, history, and urban affairs and planning. For more information, contact the Service-Learning Center, 1-6964.

### CEUT plans celebration

The Center for the Excellence in Undergraduate Teaching will hold a celebration on Wednesday, April 19, from 4-6 p.m. in the Hillcrest Dining Room. Faculty members have participated in a wide variety of CEUT-sponsored development activities this academic year. The celebration reflects on those experiences and salutes their success. Faculty members who have attended CEUT workshops and events, CEUT guest presenters, members of CEUT faculty study groups, and new faculty members are invited to join the CEUT staff at the celebration.

### Lecture to focus on raising boys

Dan Kindlon, author of *Raising Cain: Protecting the Emotional Life of Boys*, will present a lecture on Monday, April 17 at 7:30 p.m. in Squires Colonial Hall titled "Raising Healthy Boys." A book signing will follow.

The lecture is free and open to the public.

### Forum focuses on homelessness

A Homelessness Forum will be held Friday, April 21, in the Donaldson Brown Center and Squires Old Dominion Ballroom, will address the state of homelessness in the New River Valley and beyond.

C. Theodore Koebel, director of the Center for Housing Research and associate professor of urban affairs and planning will speak at 9 a.m. in Donaldson Brown about the national scope of homelessness. Carol Johnson, executive director of the New River Family Shelter, will address the issue of homelessness in the New River Valley at 10 a.m.

In addition, there will be a panel discussion and a homelessness simulation that will allow participants to experience homelessness first hand. It will require participants to deal with the needs and challenges faced by homeless individuals and families every day.

From 1-3 p.m., a homeless simulator will be held in Squires Old Dominion Ballroom.

### Tech, county join spring cleaning

Virginia Tech will once again be a key player in the annual Broomin' & Bloomin' county-wide cleanup, sponsored by the Montgomery County Improvement Council (MCIC). The event will be held Saturday, April 15, 7 a.m.-2 p.m.

Blacksburg Transit provides transportation to cleanup sites. Buses leave at 7 a.m. from the parking lot behind Derring Hall.

For more information, call 382-5793.

# EMPLOYMENT

## CLASSIFIED POSITIONS

The following classified positions are currently available. More details of these positions, specific application procedures and position-closing dates may be found on the Personnel Services web site at <http://www.ps.vt.edu>. Available positions are also listed on the Job Line, a 24-hour recorded message service. For information on all job listings, call 1-5300. Some of the following positions include state benefits. Positions with 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. An EO/AA employer committed to diversity.

### Full Time

**Applications Analyst**, 7328D, Grade 0, Administrative Information Systems.

**Budget Manager**, 7567T, Grade 14, Budget/Financial Planning.

**Budget Manager**, 1951T, Grade 14, Budget/Financial Planning.

**Computer Center Lead Engineer**, 7438T, Grade 16, CPES.

**Electrician**, 7565G, Grade 7, Physical Plant.

**Executive Secretary**, 4406T, Grade 6, Mining/Minerals Engineering.

**Executive Secretary**, 1854T, Grade 6, Budget/Financial Planning.

**Fiscal Technician**, 1364F, Grade 6, University Bursar.

**Food Operations Manager B/Executive Chef**, 0837H, Grade 10, Residential/Dining Programs/West End Market.

**Food Operations Manager B/Executive Chef**, 1781H, Grade 10, Residential/Dining Programs/Dietrich Dining Hall.

**Geotechnical Engineering Technician (Lab Instr Supervisor)**, 7580J, Grade 11, Civil/Environmental Engineering.

**Housekeeping Worker**, 0485H, Grade 1, Residential/Dining Programs.

**Housekeeping Worker**, 7572C, Grade 1, Physical Plant.

**Human Resource Generalist**, 1073T, Grade 12, Personnel Services.

**Laboratory Specialist**, 529G, Grade 8, Environmental Health/Safety.

**Laboratory Specialist Senior**, 7362M, Grade 9, CSES.

**Landscape Supervisor**, 2815G, Grade 10, Physical Plant/Grounds.

**Medical Technologist**, 2637J, Grade 9, Veterinary Teaching Hospital.

**New Media Center Manager**, 6918D, Grade 14, Instructional Services.

**Office Services Specialist**, 7508T, Grade 5, CPES.

**Operating Systems Analyst**, 2836D, Grade 0, Computing Center.

**Operating Systems Analyst**, 2242D, Grade 0, AIS.

**Police Captain**, 7578T, Grade 11, Police.

**Police Officer**, P02004G, Grade 0, Police Department.

**Program Support Technician**, 0479T, Grade 6, Undergraduate Admissions.

**Program Support Technician**, 6763T, Grade 6, Engineering Development.

**Program Support Technician**, 7161D, Grade 6, University Development.

**Program Support Technician**, 5159T, Grade 6, College of Business.

**Program Support Technician Senior**, 7588T, Grade 7, Mechanical Engineering.

**Program Support Technician Senior**, 1441T, Grade 7, College of Engineering.

**Programmer/Analyst**, 0000, Grade 0, Virginia Tech Services.

**Public Relations Coordinator**, LC083, Grade 12, University Relations.

**Telecommunications Database Manager**, 2967A, Grade 8, CNS.

### Part Time

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

**Computer Technician (Installation/Repair Tech.)**, W022991T, Grade 8, Mathematics.

**Executive Secretary**, W022984T, Grade 6, University Leadership Development.

**Fiscal Technician**, W020810J, Grade 6, Veterinary Teaching Hospital.

**Fiscal Technician**, W023012J, Grade 6, Veterinary Teaching Hospital.

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

**Laboratory Technician Senior**, W022172M, Grade 5, Veterinary Teaching Hospital.

**Laboratory Technician Senior**, W020117T, Grade 5, Environmental Health/Safety Services.

**Macintosh Support Technician (Installation/Repair Tech.)**, W022166T, Grade 8, Mathematics.

**Office Services Assistant**, W022447G, Grade 4, Parking Services.

**Office Services Assistant (Switchboard Operator)**, W022101C, Grade 4, CNS.

**Program Support Technician**, W022995C, Grade 6, Educational Technologies.

**Public Relations Assistant Specialist/Web Designer**, W022976H, Grade 8, Residential/Dining Programs/Marketing/Conference Services.

**Radiologic Technologist**, W022238G, Grade 7, Health Center.

### University Only

**Administrative Assistant to the President**, U0423T, Grade 9, President's Office.

### Off Campus

**Evening Announcer**, 1962D, Grade 8, WVTF.

## FACULTY POSITIONS

### NON-INSTRUCTIONAL

**Senior Vice President and Provost's Office, Coordinator, Biological Sciences Initiative.** Position open to Virginia Tech faculty members only. Contact: Ron Daniel, 130 Burruss (0132). Review begins April 22.

**Recreational Sports, Coordinator of Fitness Development (re-advertised).** Contact: William Campion, 142B McComas Hall (0358). Review begins April 19.

## Third graders to sample Classical culture on campus

By Sally Harris

Creating their own myths, conducting a scavenger hunt for Classical architecture on the Virginia Tech campus, writing their names in Greek and Latin, and visiting an "antiquities" museum are all part of third graders' activities during Kipps Elementary Classics Day at Virginia Tech.

The Classical Studies faculty in the Center for Interdisciplinary Studies and the Department of Foreign Languages and Literatures in the College of Arts and Sciences will hold the second Kipps Classics Day April 20 in Squires Student Center. The day is part of a three-pronged outreach program run by the Classical

Studies program to assist 90 third-grade students and their teachers at Kipps Elementary School in Blacksburg in their study of ancient Greece and Rome.

The students will take part in four sessions. In a Latin and Greek class, the students will focus on Latin and Greek derivatives that are important in the new standards of learning (SOL's)—such as terms relating to democracy. The students will receive pencils with Latin inscriptions.

In a myth class, they will take part in improvisational storytelling as they recreate ancient myths and create their own myths. Outside, the third graders will conduct a scavenger hunt for Classical architecture on campus.

In an antiquities museum that will include reproductions of Greek and Roman artifacts, the students will play historian.

A portion of the funding for the program is from the Humanities Program in the Center for Interdisciplinary Studies in the College of Arts and Sciences.

Last year's program was a great success, said Trudy Harrington Becker, coordinator, and photos and descriptions of the program can be seen at [www.cis.vt.edu/ClassicalStudies/Cday.html](http://www.cis.vt.edu/ClassicalStudies/Cday.html).

For more information, contact Becker at 1-6486 or [thbecker@vt.edu](mailto:thbecker@vt.edu).

## 2000 STAFF APPRECIATION DAY

THURSDAY, MAY 18

10 a.m.—3 p.m.

RECTOR FIELD HOUSE

Classified staff and wage employees will be recognized for their contributions by being excused from usual duties for all or a large part of these hours to attend the scheduled events. Employees should report to their usual work location before and following the event based upon the employee's work schedule.

Complete details provided in the May 5 Spectrum.

## ROBERTSON

Continued from 1

generations."

The prize is named for James I. Robertson Jr., alumni distinguished professor in history at Virginia Tech. Robertson is one of this nation's most-respected and honored Southern historians, having garnered every major award given in the field of Civil War history. He has authored or edited over 20 books, including such benchmarks as *The Stonewall Brigade*, *General A. P. Hill: The Story of a Confederate Warrior*, and his 1997 opus, *Stonewall Jackson: The Man, the*

*Soldier, the Legend*, a 950-page offering universally acclaimed as the definitive biography of the Confederate icon.

Matthew Borowick, executive director of the Civil War Library and Research Center, said the Robertson Prize is another extension of the library's efforts to promote interest and research in the American Civil War. "Dr. Robertson's study of this era, and his uniquely enthralling presentation of its myriad subjects, serves to foster additional interest in this remarkable time. His efforts correspond to those of the library, whose mission is to serve as a source of informa-

tion for the further study of the people, places, and events that comprised this incredible period in our nation's history."

Founded in November 1997, the Civil War Library and Research Center in Woodbridge, NJ is a one-of-a-kind facility. Funded by corporate, foundation and individual donations and staffed entirely by volunteers, the library is open to the public and features one of the largest collections of Civil War material in existence, with over 2,000 bound volumes, hundreds of periodicals, and several computer databases.



VIRGINIA POLYTECHNIC INSTITUTE  
AND STATE UNIVERSITY

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Editor  
John Ashby, 1-8961

Assistant Editor  
Christian Moody, 1-8538

Production Manager  
Melinda Shaver, 1-8524

Business Manager  
1-8819

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IN OTHER NEWS

## Modern medical practices rooted in Civil War

By Clara B. Cox

From traumatic injuries and wide-spread infection to epidemics and hygiene, the American Civil War was the spawning ground for a number of modern medical practices. One hundred fifty-five physicians from Virginia, West Virginia, Georgia, Indiana, and Louisiana gathered in Roanoke recently to examine the influence of the mid-1800s conflict on their profession.

They were participants in the First Annual Civil War Medical Symposium, organized by Virginia Tech's Virginia Center for Civil War Studies under an educational grant from Merck & Company. The symposium was approved by the American Academy of Family Physicians for elective credit hours and by the Lewis-Gale Foundation CME Organization for continuing medical education credit.

"Learning from the past is the key to understanding the present and anticipating the future. That is as true for medicine as for all fields of study," said James I. Robertson Jr., alumni distinguished professor of history and director of the Civil War center.

Robertson, a nationally noted Civil War historian, delivered the opening presentation, "Civil War Medicine: An Overview," at the two-day event. Four physicians talked about specific medical advances resulting from the war: Donald Zedalis, a Christiansburg physician who specializes in allergy/immunology and sleep disorders; John M. Gregg, an oral/maxillofacial surgeon in Blacksburg; Charles L. Cooke, a rheumatoid-arthritis specialist with the McGuire Medical Group in Richmond, and E. Randolph Trice, a retired Richmond dermatologist.

Tech President Charles W. Steger welcomed participants to the event, which was held at the Hotel Roanoke and Conference Center.

## GROUND

Continued from 1

educational programs and consulting.

To build the center, Virginia Tech has received a grant of \$100,000 from the USDA.

Re-circulating aquaculture competes with land-intensive pond-aquaculture methods common in warmer regions, but offers many benefits over those systems. Re-circulating aquaculture is ideally suited for idled farm and industrial properties in Virginia and nearby regions, because it does not require the thousands of acres of flat land that pond aquaculture requires, and is not dependent on outdoor temperatures. It also completely prevents the uncontrolled discharge of wastes into the environment.

The facility will also highlight the benefits of this environmentally responsible technology to students, visitors, and communities throughout the region.

"We're happy to be able to assist in creating new economic opportunities for farmers in our own part of the state. We do a great deal of seafood research at Virginia Tech—even though we're in the mountains. Over the years, a lot of our work has benefited fishermen and processors out on Virginia's coast, but now with concerns about habitat destruction and overfishing, we want to promote interest in agriculture methods that can increase the domestic supply of seafood and let the wild stocks of fish rebound at the

## Universities, schools team up to develop effective new teachers

By Jean Elliott and Kathie Dickenson

As Virginia seeks solutions to a looming teacher shortage, educators are mindful of a pressing corollary issue. How do we guarantee the quality of the new teachers who must replace the 40 percent projected to leave the teaching force by 2002?

One way is to strengthen the mentoring skills of veteran teachers so that pre-service and new teachers can take full advantage of their expertise and experience. Three area universities and six school divisions have teamed up to boost that effort.

The Southwest Virginia Clinical Faculty Consortium comprises the Center for Teacher Development at Virginia Tech, Radford University's College of Education and Human Development, Hollins University, and six public-school divisions: Roanoke City, Roanoke County, Salem City, Montgomery County, Radford City and Pulaski County. The consortium, part of a state-wide mentoring program for helping pre-service and first-year teachers make a successful transition into full-time teaching, was created with the help of a two-year grant of \$113,603 from the Virginia Department of Education.

Patricia P. Kelly, principal investigator for the project and director of the Center for Teacher Education at Virginia Tech, said the goal of the consortium is to develop a cadre of veteran, experienced teachers to work more effectively with their incoming colleagues, especially during the clinical experience. "Some of the school teams have developed exciting activities to help student teacher interns become part of the total school community," Kelly said. "Clinical faculty members have held receptions and breakfasts for student teachers, have had them serve on various school committees, and generally welcomed them into their schools' teaching and learning environments. We'll be conducting

some research at the end of the semester to determine the impact of the clinical faculty program and next steps that could be taken to further develop the clinical experience."

The program began last summer with about 22 experienced public-school teachers who had demonstrated exceptional effectiveness in supervising student teachers. Participating in a summer institute with teacher-preparation faculty members from the three universities, they spent two days at Hollins University and two days at Radford University's Selu Conservancy in workshops and discussions that helped them clarify the cooperating teacher's role and identify issues in the student-teaching process. Each of them then recruited a small group of teachers in their schools to form a Clinical Faculty Team. A web site allows clinical faculty members from different schools to share ideas about effective ways to work with student teachers.

"I've had some excellent student teachers who put in the hours and got the most out of their experience so they could be prepared for whatever comes down the road," said George George, a William Byrd High School social-studies teacher and lead teacher for his school's Clinical Faculty Team. However, regardless of how committed they are, student teachers are not ready to take over a class as soon as they walk in the door, and the stress on them throughout the experience is high, he said. They are worried about how to handle discipline problems and nervous about being evaluated; they have to learn to deal with parents, the SOL's and issues like sexual harassment. Meanwhile, they must plan their lessons and, in some cases, take teaching methods classes while student teaching. On the other end, cooperating teachers are busy, need extra help and sometimes aren't completely sure what their role requires. "All these things are being discussed in our clinical faculty groups," George said, so coop-

erating teachers can make the student teaching experience as positive as possible.

George said the project is a professional development experience for him because it has put him in touch with so many university faculty members. "They have been very receptive and responsive," he said, "and the camaraderie among those from different universities is great. There is a really neat continuity from one university to another—it's great to see how well they work together. I can't say enough about any of them. It makes me excited about teaching again."

Teachers and university faculty members are learning from each other, said Leslie Willett, associate professor and chair of Hollins University's Department of Education. "We have become colleagues working together to make the student teaching experience the best it can be for pre-service teachers."

Most of the teachers in the program volunteered to participate because they believe strongly in their responsibility for helping interns become confident and effective teachers who will stay with the profession. "I have a passion for helping new teachers become effective in the classroom," said Hallie Torrence of W.E. Cundiff Elementary School in Roanoke County. "Young teachers have so much enthusiasm, and I wanted to have the opportunity to help them keep this focus. Enthusiastic teachers make enthusiastic students, and that is when true learning takes place."

## CAMPUS NOTES

### Young appointed alumni coordinator

In addition to serving as a member of the Alumni Relations staff at the university, Lynn Young has also been appointed to work with College of Natural Resources as the new alumni coordinator. She will also serve the colleges of Agriculture and Life Sciences and Veterinary Medicine.

"I am delighted for the opportunity and look forward to meeting everyone at the college's alumni gatherings," she said, "as we strengthen the network between the College of Natural Resources and our alumni."

She has spent time with Dean Greg Brown and other members of the faculty to formulate a plan for activities that will help build a stronger alumni organization within the college and also acquaint current students with the benefits of maintaining connections to the college after graduating.

Young's office is located at the College of Veterinary Medicine, Phase II, room 301. She may be contacted at [youngl@vt.edu](mailto:youngl@vt.edu), or call 1-5809.

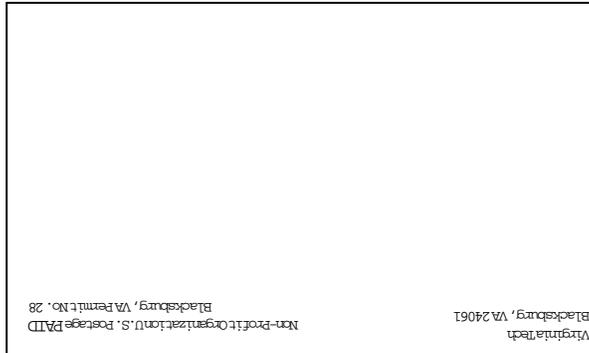
## NOTIFICATION TO CLASSIFIED EMPLOYEES

Additional information sessions on the new classified compensation plan have been scheduled as follows: April 19 from 8:30 to 10 a.m. and from 2 to 3:30 p.m.; April 25 from 3 to 4:30 p.m.; and April 26 from 8:30 to 10 a.m.

All sessions are in the Donaldson Brown auditorium.

same time," said George Flick, university distinguished professor of food science.

Fish produced at the center would be sold at market prices. Planned expansions include the addition of more tanks, a hatchery facility, and greenhouses that will use waste products from the fish for the cultivation of aquatic plants or varieties of herbs or cut flowers. "Re-circulating aquaculture systems give us the opportunity to capture and use waste products to produce a second stream of revenue while at the same time helping the environment," said Greg Boardman, professor of civil engineering.



## VICE PRESIDENT

Continued from 1

has announced that the three finalists have been invited for interviews in April. The candidates are Elizabeth "Betsy" Flanagan, assistant vice president for development at the University of Virginia; Ronda Johnson, vice chancellor for institutional advancement at Texas Tech, and Peter Weiler, associate vice president for development and alumni relations at Penn State.

In the dual position, the administrator would, among other duties, be responsible for all university fund raising and the university's overall communications strategy.