

SPECTRUM

Virginia Tech
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

VOLUME 21 NUMBER 22 THURSDAY, FEBRUARY 25, 1999

TODAY'S EDITION

See page 8
for article on
parking.

Torgersen notifies board of his retirement plans

By Larry Hincker

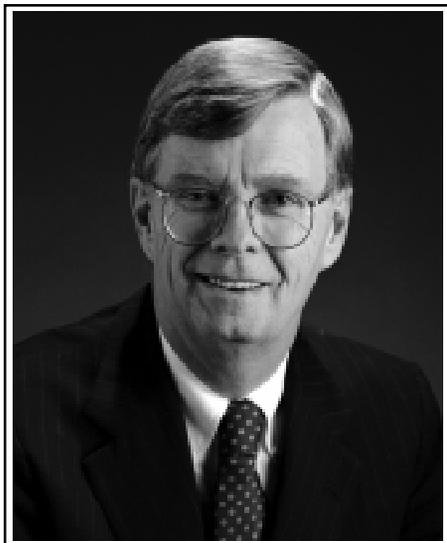
Paul Torgersen, Virginia Tech's fourteenth president, announced Monday that he will retire from Virginia Tech effective December 31 of this year.

"It has been an incredible journey for me. Virginia's land-grant university is not only as strong as ever, but is a vital element in the social fabric of our commonwealth. I believe that I have contributed to the improvement of the institution; I know that I received as much in personal fulfillment and growth," Torgersen said.

"The university and all her stakeholders have been blessed by this committed and strong leader. At a time when most men would have been coveting retirement, Paul Torgersen embraced the university motto of service above self and accepted the challenge of rebuilding the university's resource base. We are well positioned to be the model land-grant university of the 21st century," said Board of Visitors Rector Jim Turner.

Torgersen became president in 1993 at age 62 upon the sudden health-related departure of President James McComas. McComas's tenure was marked by a series of recession-driven budget reductions during the early 1990s.

Starting his presidency with the goal of rebuilding financial resources, Torgersen secured state as well as private resources for building projects and salary equity. Today, he leaves a campus experiencing a building boom. "Not since the Marshall Hahn era of the late 60s have we seen buildings popping up like we do now. He helped restore confidence in the university and higher



TORGERSEN

education," said Executive Vice President Minnis Ridenour. More than \$150 million in capital projects is under management at this time.

During Torgersen's time as president the university finished construction on Burchard Hall for architecture; a new engineering building; three dormitories; McComas Hall, a student health and fitness center; the Merryman Center, an athletic training facility, and the Northern Virginia Center, a graduate-education facility in Falls Church. Under construction now is the Advanced Communications and Information Technology Center, a massive, state-of-the-art center to house researchers and teachers advancing the use of technology or the use of technology in teaching.

Many partially credit the hugely successful fund-raising campaign to Torgersen's rapport

with alumni and benefactors. He traveled the country for three years and attended no less than 40 formal events gaining a reputation for stamina and boundless energy. The campaign raised \$337 million, \$87 million more than its goal.

Under Torgersen the university coalesced its scattered pockets of technology excellence into an information-technology leader. He was often quoted as saying that we must develop the vision for the 'model land-grant' university of the 21st century. The institution received high praise and awards for its Faculty Development Initiative which, through intensive teacher training, quickly infused technology throughout the curriculum. The Math Emporium, an innovative way to teach lower-level math, remains one of the largest programs of its kind in the nation. Still in its embryonic stage is Virginia Tech's unique attempt to develop wireless internet technology through broadband-width high-frequency spectrum. Virginia Tech is the only university in the nation to own an LMDS-spectrum license. And while Torgersen was president, the university developed for the state, Network Virginia, a broad-bandwidth network that many consider a model for the next generation Internet.

Shortly after being unanimously selected by Tech's Board of Visitors in late 1993, he began a series of travels around the state to build relationships with those whose support was crucial to the university: Virginia's state senators and delegates. Over the ensuing year he met with about 80 percent of the General Assembly members to tell the Virginia Tech story. He continued to place a high priority on legislative relations, deftly noting that "We must not forget that along with students, parents, and alumni,

the commonwealth of Virginia is an important stakeholder in the success of Virginia Tech."

Torgersen's tenure as president capped a 33-year career at Virginia Tech beginning in 1967 as head of the Department of Industrial Systems Engineering. He became dean of engineering in 1970 and held the post for 20 years. Torgersen is credited with leading the college to national recognition. When he stepped down to return to teaching in 1990, the College of Engineering had become a full-fledged member of the most elite engineering schools in the nation. Over the past two decades the college has consistently ranked among the top 25 schools in the nation.

Known by those who worked with him as a quiet but deliberate decision maker, he

(See TORGERSEN on 8)

Presidential Search Committee Appointed

By Larry Hincker

James Turner, rector of the Virginia Tech Board of Visitors, has announced the formation of a search committee to make recommendations to the board for the next president. The committee will begin deliberations immediately. The committee working with board will develop a qualifications outline and look nationally for the right candidate.

"We will be looking for a candidate

(See SEARCH COMMITTEE on 7)

University receives re-accreditation with commendation

By Catherine Doss

President Paul Torgersen has been notified of the re-affirmation of accreditation, following more than a year of preparation for and involvement by virtually the entire university community in the accreditation process.

"For a university of our size and complexity, this was a remarkably good review," said Peggy S. Meszaros, senior vice president and provost.

In his letter to Torgersen, James T. Rogers, executive director of the SACSC Commission on Colleges listed eight areas recommended by the accreditation visitation team that needed either further review or documentation. According to David Conn, director of the university's self study, the team pointed out after its visit to campus last March that these recommendations were procedural or technical in nature and reflected no substantial flaws in the institution. The compliance team ended its report by issuing a commendation for the university's financial planning and management.

Accreditation is mandatory for all edu-

cational entities in Virginia. The set of criteria with which each institution must comply is both stringent and complex. For Virginia Tech, the criteria included more than 460 areas of compliance in institutional mission and purpose, institutional effectiveness, educational programs, educational support services, and administrative processes. Accreditation is good for ten years.

"Accreditation reaffirms the university's academic reputation," said David Ford, vice provost for academic affairs. "It is a critical component in the operation of the university because so many things depend on it, such as continued federal financial-aid programs and the ability to launch various types of academic programs."

This year's accreditation process also gave the institution an option to conduct either a strategic self study or a traditional self study. Virginia Tech chose a strategic self study, focusing on transforming Virginia Tech for the information age. In general, the visitation team also gave high marks to the self study and the strategic initiatives it considered truly transforming such as the Faculty Development Institute, the Cyberschool, and the Math Emporium. Anne

McNabb chaired the steering committee for the strategic self study.

The eight areas needing follow-up attention are:

1) Confirm that notification of all new programs has been submitted to the Commission on Colleges;

2) complete evaluations of off-campus programs, and provide assurance that program quality and level of achievement of students are equivalent to comparative on-campus offerings;

3) complete and report on modification of undergraduate admissions policies and procedures scheduled for completion in January 1999;

4) complete and report on the review of graduate admissions policies;

5) report on goals for the distance-learning program scheduled for completion in spring semester 1999;

6) implement and document a solution to the problem of credentials for graduate teaching assistants

7) implement the university's new delivery system of providing access to library mate-

(See UNIVERSITY on 8)

Board approves lowered tuition, fees policy

By David Nutter

The Virginia Tech Board of Visitors approved a tuition-and-fee policy for the 1999-2000 academic year that will see tuition for the coming year drop by 20 percent because of increased state support.

Tuition for in-state undergraduates for the coming academic year will be \$2,792, a \$708 decrease from the current tuition fee of \$3,500. This 20 percent decline in tuition is being made possible by an infusion of state funds to offset the reduction in tuition.

"From 1989 through 1996, tuition in Virginia has increased dramatically because of a decline in state support for higher education. The higher-education community has been alarmed at this loss of state support. This year, Governor Gilmore and the General Assembly have recognized these concerns and taken an important first step in helping hold down the cost of tuition," President Paul Torgersen said. "They are to be

(See BOARD on 7)

ACHIEVERS

Karin Kloos, a post-doctoral associate, and graduate students **Murat Kasap** and **Paul Goodwin**, all from the Department of Biochemistry, participated in the Inorganic Biochemistry Summer Workshop at the University of Georgia in Athens last year.

Richard Schmidt, professor in the Department of Crop and Soil Environmental Science, was elected a fellow of the American Society of Agronomy last year. The honor is reserved for three-tenths of one percent of the society's membership. Schmidt specializes in turfgrass ecology.

Malcolm Potts, professor of biochemistry, served on the panel on "Virginia's Hottest New Biotech Programs" at the 2nd Annual Meeting of the Virginia Biotechnology Association, last year in Richmond.

Peter J. Kennelly, professor of biochemistry, served as a co-organizer of the Krebs 80 Symposium in Alta, Utah, in September. The symposium honored the lifetime achievements of Edwin G. Krebs, 1992 Nobel Laureate in the area of physiology and medicine. Kennelly was also a member of the review panel for General Medical Sciences for the Veteran's Administration in Washington, D.C., in October.

Pat Traynor, research scientist in the Department of Biochemistry, organized a three-day biotechnology risk-assessment workshop on "Ecological Effects of Pest Resistant Genes in Managed Ecosystems." The January meeting assembled multi-disciplinary expert groups to assess current knowledge and needed research on whether the transfer of resistance traits by outcrossing from crops to related wild or weedy species may have undesirable ecological consequences.

Traynor is the principal investigator for an ongoing USDA grant that supports Information Systems for Biotechnology, a national resource in information about agricultural biotech research and product development, biotechnology regulations, and environmental issues associated with small and large-scale releases of genetically modified organisms. She also works to ensure the environmentally responsible use of biotechnology products by serving as a bio-safety advisor in Asian, African and Latin American countries under the auspices of U.S. Agency for International Development and the International Service for National Agricultural Research, based in the Netherlands.

Steven McMullin, assistant professor in the Department of Fisheries and Wildlife Sciences, was program chair for the recent annual meeting of the Virginia chapter of the American Fisheries Society, held in Danville. He also assumed the duties of chapter president.

Patricia Flebbe, U.S. Forest Service research scientist and assistant professor in the Department of Fisheries and Wildlife Sciences, was elected secretary of the Virginia chapter of the American Fisheries Society.

The newsletter for the College of Arts and Sciences won a Special Merit Award for external newsletters in the CASE (Council for the Advancement and Support of Education) District III Advancement Awards Program. **Sally Harris** edits, writes, and designs the newsletter using a template designed by **Creed Taylor** of Graphic Arts. **Adelene Kirby** and **Teresa Mutispaugh** serve as editorial assistants, and other public-relations coordinators contribute or collaborate on some stories. Most photos are by **Bob Veltri**, **Rick Griffiths**, and **John McCormick** of Visual Communications-Photo.

At the Virginia Association on Aging (VAA) conference held in December, Virginia Tech students and professors combined to sweep the education awards.

Karen Roberto, Tech's director of the Center for Gerontology and Professor of Adult Development and Aging, was named the outstanding educator. Roberto's research examines the psycho-social aspects of aging. Within this realm, she has focused on older women's adaptation to life with osteoporosis; the process families use in making health-care decisions for older adults; relationships and friendships. Her \$300 award was donated to Tech's Center for Gerontology.

Cara Bailey, a doctoral candidate in the Environmental Design and Planning Program in the College of Architecture and Urban Studies, received the outstanding doctoral student award from the VAA. Bailey will also earn a graduate certificate in gerontology through the Center of Gerontology in the College of Human Resources and Education. Her dissertation research is titled "Understanding Age and Suburban Space: A Temporal-Spatial Analysis of the Political and Economic Context of Aging and Place in Arlington, Virginia." Bailey also recently authored a policy brief while working with the Rural Health Policy Research Program at Virginia Tech: "Growth in Medicare Managed Care in Virginia: Metro-Nonmetro Changes."

Bailey earned her master's in urban affairs (MUA) at Virginia Tech in 1992 and a B.A. in International Relations at the University of California-Davis, in 1987. Before entering the doctoral program, she was a development project manager for a nonprofit housing organization in the San Francisco Bay Area where she worked on both senior and family housing projects.

Jennifer Scanlon was awarded the master's student award. A graduate of SUNY-Cortland, Scanlon is enrolled in human development/adult development and aging and will also earn a graduate certificate in gerontology. She is a graduate assistant in the Adult Day Services Center at Tech. Nominees were judged on academic excellence, research projects, work experience/career plans, community service and faculty recommendations. Both students received \$1,000 scholarships.

This marks the third straight year that Virginia Tech students have won awards. The VAA Board determined it was unfair for master's and doctoral students to compete and initiated the dual-award system this year.

Susan Hutchinson, assistant professor in educational leadership and policy studies (ELPS), will present two papers at the annual meeting of the American Educational Research Association (AERA) to be held in Montreal, Canada from April 19 through the 23. She will review methodological characteristics of research, which was published in *The Journal of Higher Education*, *The Review of Higher Education*, and *Research in Higher Education* along with co-author Cheryl D. Kelly. Hutchinson will also present "Rationales of a professional audience for survey completion," a study completed with Kathy E. Green.

Also at the AERA conference, **Steven M. Janosik**, associate professor in ELPS, is a panelist for "University Policy Centers: Past, Present, and Future." Janosik is also presenting "The Research and Information Needs of Education Policy Makers in Virginia" at the Virginia Educational Research Association meeting in Richmond March 3-5. At the American College Personnel Association conference in Atlanta on March 20-24, Janosik will discuss "Stakeholder Expectations for Due Process in Campus Disciplinary Hearings." At the Association of Student Judicial Affairs in early February, Janosik was tapped to present "How Much Process Is Due: A Response From a Different Set of Voices."

Claire Cole Vaught, professor in counselor education, has been appointed to the editorial board of the journal *Counselor Education and Supervision* for a three-year term. It is the publication of the Association for Counselor Education and Supervision.

Mike Houston, head of the human nutrition, foods and exercise department in CHRE, recently participated at a special course for techniques in molecular muscle biology, put on by the Copenhagen Muscle Research Centre in Copenhagen Denmark. As well as working with the participants in the course, Dr. Houston also presented three seminars including "Introduction: Central dogma and muscle," "Model systems for the study of muscle adaptation," and "Muscle adaptation: Mitochondrial biogenesis and myosin heavy chain gene expression."

Patrick W. Carlton, director of international education and associate professor of educational leadership and policy studies, CHRE, chaired a panel at the annual conference of the Association of International Educational Administrators, in Merida, Mexico, on February 12. The panel, entitled "Fifty Years Later: American Universities' Experience with Truman's Point IV Program," featured Dean Emeritus Ralph H. Smuckler, of Michigan State University, as major speaker.

Karen Torgersen, director of Admissions, made a presentation on "Implementing a Campus-wide Computer Requirement" at the Regional College Board conference in Orlando, Fla.

Demetri Telionis, an endowed professor of engineering science and mechanics (ESM), has been named a fellow of the American Society of Mechanical Engineers (ASME). Telionis, who joined the Virginia Tech faculty in 1970 after receiving his M.S. in theoretical and applied mechanics and a Ph.D. in aerospace engineering from Cornell University, conducts research in the areas of fluid mechanics and aerodynamics. Previous honors include the American Society of Engineering Education Research Award for best paper in 1987 and the ESM Frank J. Maher Award for excellence in engineering education. He also serves as editor-in-chief of the ASME *Journal of Fluids Engineering*.

John F. Hosner, the retired dean of the College of Forestry and Wildlife Resources, was the keynote speaker of a two-day workshop held by the Appalachian SAF Leadership February 16 and 17 in Brown Summit, NC.

James E. Johnson, professor of forestry and associate dean of the College of Forestry and Wildlife Resources, served as a technical advisor to the Swiss National Institute for Forest, Snow, and Landscape Research. He also assisted managers in their effort to develop a forestry extension service and gave a presentation on the topic in Birmensdorf, Switzerland in January.

Daniel J. Dolan, an associate professor of wood sciences and forest products, attended the annual meeting of the Building Seismic Safety Council where he was given an Exceptional Service award for his work in coordinating the structural section of the International Residential Code. This is the model building code for prescriptive construction throughout the country, due to be finalized by January 2000. The award been given only twice before.

Riley publishes *The American Newspaper Columnist*

By Sally Harris

Sam Riley, professor of communication studies at Virginia Tech and author of the new book *The American Newspaper Columnist*, says those writers have been "the most neglected people in the newspaper business except maybe for the paper boys."

The figure of the newspaper columnist, which emerged in America in the mid-nine-

teenth century, plays a key role in modern newspapers. Today, they add a decidedly personal touch to the newspapers in which they appear—an important consideration in an increasingly impersonal, corporate, no-nonsense medium, according to Praeger Publishers, which published Riley's latest book. Yet journalism teachers usually include in their discussions the Hearsts and Pulitzers, outstanding editors in

New York, Chicago, and a few other cities, and a few of the most outstanding reporters, Riley said. "But there's very little mentioned about columnists, even though some of them have been among the most interesting writers, made the most money, and had the most remarkable careers."

In this book, Riley provides the most complete look available at the emergence of the

columnist and at who the leading columnists have been from the Civil War era to the present. Riley examines 780 columnists and their work chronologically—according to when their columns first appeared—within several categories—mid-to-late 1800s, humor, column poets, syndicated political, other syndicated, local, and minority columnists.

(See RILEY on 7)

ASPIRES launches 52 new projects, provides nearly \$1.4 million

By Susan Trulove

Research and Graduate Studies (RGS) has announced the third round of ASPIRES recipients. ASPIRES stands for A Support Program for Innovative REsearch Strategies. Support from the Provost's Office and RGS provided almost \$1.4 million to support faculty members' programs in amounts ranging from \$4,500 to \$40,000. Winning proposals also included funding from departments, colleges, and other sources.

"The intent is to aid faculty members in increasing their success rate in competing for external support, such as by purchasing equipment, providing training, or renovating facilities, and to increase the quality of scholarship, said Gene Brown, associate provost for RGS program development. "The program has been very successful. Last year's \$1.7-million investment returned \$8.1 million in research contracts and grants, as of this September. In addition, 72 papers have been published from the research facilitated by ASPIRES funds." Almost \$13 million in proposals from ASPIRES projects still await funding.

"We are particular pleased to be able to support faculty members' research and initiatives," said Len Peters, vice provost for research and dean of the Graduate School. "The results prove that these individuals are savvy. They know what needs to be done and how to do it. The result is a university with significant strengths to offer students and sponsors."

Awards this year were made in categories that support the university's cross-cutting initiatives—those areas where the university is building on traditional strengths and responding to critical issues.

From 126 proposals, 52 were funded, as follows:

Biosciences and Biotechnology

M.A. Saghai-Marooof and others in crop and soil environmental sciences (CSES) for

development of DNA chip technology.

Brian Storrie and others in biochemistry and plant pathology and weed science (PPWS) to expand the research capabilities of the digital confocal microscope facility.

Prakash Nagarkatti and others in biology and Veterinary Medicine to establish cellular and molecular research facilities.

Sue Tolin of PPWS for functional genomic analyses of viral genomes and plant gene responses.

Ann Stevens and others in biology for creation of a state-of-the-art protein-purification facility in Derring Hall.

Scott Salom and Rick Fell of entomology for an ultra-cold freezer (minus-60 to minus-80 C) to store highly volatile biology.

Jill Sible and John Tyson of biology to determine the molecular mechanisms and mathematical models of the Eukaryotic cell cycle.

K.V. Cott and others in civil engineering and environmental engineering (CEE) for a novel method for production of a collagenase stimulating protein (CSP).

Boris Chevone and others in PPWS and Forestry to study chlorophyll fluorescence as an indicator of environmental stress in plants.

Eric Nilsen and others in biology for renovation of research space for plant ecology in Derring Hall.

Charles Hagedorn and others in CSES and PPWS for purchase of automated microbial genomic-identification equipment.

W.E. Newton and others in biochemistry and PPWS for an electron paramagnetic resonance laboratory.

Jeff Bloomquist and others in entomology to enhance collaborative research and education programs.

Ken Webb and others in animal and poultry science and entomology for characterization of peptide transporters cloned from chickens.

Muriel Lederman and others in biology and PPWS to use a human virus to produce foreign protein in plants.

Computing, Information, and Communications Technology

Sanjay Raman of electrical and computer engineering (ECE) for an on-wafer probe station.

Dong S. Ha of ECE to establish a custom IC design lab.

Environmental Sciences and Energy Systems

H.M. Valet and others in biology for study of aquatic-terrestrial interactions.

Saied Mostaghimi and others in biological systems engineering (BSE) for a watershed-assessment laboratory.

Foster Agblevor and others in BSE for renovation of the bio-process engineering laboratory.

Mike Vaughan and others in Fisheries and Wildlife Sciences and Veterinary Medicine for a center for ursid research.

Dan Bosch and others in agriculture and applied economics and CSES to develop leadership in problem-solving environments for ecosystem management.

John T. Novak and others in CEE to establishing an advanced particle-characterization laboratory.

James Jones and others in Architecture and Mechanical Engineering (ME) for a laboratory for the evaluation of thermal performance in buildings.

James Burger and others in Forestry for a vegetation, soil, and water processing and analysis facility.

Matthew Eick and others in CSES to develop a major inter-disciplinary research program.

Wayne Scales in ECE for the Virginia Tech Global Positioning System (GPS) Laboratory.

Randel Dymond in CEE to establish GIS research infrastructure.

Mark Widdowson and others in CEE for monitoring natural attenuation of groundwater contaminants.

Food, Nutrition, and Health

Loke T. Kok and Salom of entomology to upgrade essential equipment for the quarantine lab.

Maury A. Nussbaum of industrial and systems engineering (ISE) for measurement of muscle fatigue using external muscle stimulation.

Carl Griffey and others in CSES to developing plant-breeding programs.

R.D. Howard of Veterinary Medicine for an equine clinical research facility.

John Casali and others in ISE and mining and minerals engineering for a strategic initiative to promote field research.

Richard Winett and others in psychology and human nutrition and foods for an integrative approach for effective and efficient exercise training.

Karen Roberto of the Gerontology Center to study the health-care encounters of older adults.

Laura A. Wojcik of engineering science and mechanics (ESM) for 3D bio-mechanical modeling.

Eileen Anderson and others in psychology for study of Internet health-behavior dissemination.

William Ley and others in Veterinary Medicine for specialized training in advanced reproductive technologies.

Learning Communities

Al Loos and others in ESM and materials science and engineering (MSE) for integrated accelerated design and prototyping and a student-projects lab.

(See ASPIRES on 7)

Senate discusses recruitment efforts

By John Ashby

Ben Dixon, vice president for multicultural affairs, and Pat Hyer, associate provost for academic administration, discussed the state of women and minority members at the February meeting of the Faculty Senate.

Dixon said a major goal of current assessment activities is to develop programs which will help to make the university a more welcoming place for faculty and staff members and students.

Hyer told senators she was concerned about several aspects of recruitment efforts at the university. She said enrollment figures for black students at both the undergraduate and graduate level are down from 1996. "Virginia Tech has the lowest numbers of black enrollment among Virginia's doctoral institutions," Hyer said.

Hyer said numbers for black faculty members are also down, while numbers for women faculty members are "slightly more encouraging." According to the report *Women and Minorities at Virginia Tech* provided by Dixon and Hyer, there has been a "slow, but steady, increase in the percentage of women on the collegiate tenured and tenure-track faculty from 15.7 percent to 18.4 percent" from 1993 to 1997. Hyer said the actual numbers for women faculty members have not shown a net gain for fall 1998, however.

Senators asked how to deal with faculty-recruiting situations where women or minority-member candidates can "write their own ticket" and demand higher salaries than the university can pay. Dixon said the university may need to look at the salary structure and the expectations for hiring minority members and women.

Mixed-Paper Recycling Suspended

In January, the Montgomery Regional Solid Waste Authority decided that its Recycling Center would "cease taking any mixed paper for processing effective April 1, 1999." This decision was based upon a cost study

which determined that "while mixed paper amounts to 18 percent of our total intake, it accounts for 40 percent of our personnel processing time." As the MRSWA executive director said, in a recent *Roanoke Times* article, "The revenue we get off the mixed paper doesn't even come anywhere close to covering the cost. We regret having to make the change, but the economics just aren't there." However,

since magazines and catalogues continue to be marketable, the Recycling Center will accept these.

Adding to the problem of processing costs is the problem of depressed markets—

for many post-consumer materials—due to the Asian economic crisis. With many Asian economies struggling, the export markets for corrugated cardboard,

various grades of paper, and ferrous and non-ferrous metals all steadily declined during 1998. Not only have these economies curtailed their buying of U.S. recyclables, but in an effort to generate capital quickly,

(See MIXED-PAPER on 7)

VIRGINIA TECH
RECYCLING

To The Editor

I must admit to having a personal interest in the Y2K-bug problem. I noted the article, "Local Organization educates, prepares for Y2K" in the February 4 issue of the *Collegiate Times*. The following URL, <http://www.yourdon.com/articles/y2koutlook.html>, offers an interesting article titled "My Y2K Outlook," by Ed Yourdon, author of the book, *Time Bomb 2000*.

Because education is fundamental, I request that the Virginia Tech administration undertake, immediately, a systematic and thorough effort to educate the students, faculty, and staff on this campus concerning the robustness and integrity of institutional software on Jan. 1, 2000. What categories of software should be discussed in *Spectrum*, and the *Collegiate Times*? The following is not a comprehensive list: State salary checks, i.e., will we get paid during January 2000? Will research equipment containing embedded micro-processors continue to work in January 2000? Will the campus have electricity on Jan. 1, 2000? Will student grades and records retain their integrity on Jan. 1, 2000? Will university, department and college accounting records retain their integrity on Jan. 1, 2000?

Peter Rony, chemical engineering

Virginia
Tech

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. Hincker, 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
Sherri 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).

ACTIVITIES

EVENTS

Thursday, 25

Faculty Development Workshop, 10 a.m.-noon, 234 War Memorial Gym: "Planning a Web-Based Course."

Multicultural Program, noon, Black Cultural Center: "Is Judaism Strongest in Times of Persecution?" Panel Discussion.

YMCA Slide Show, noon, Cranwell Center: "Glimpses of Prague and Southern Bohemia," by Beth Thomas.

Black History Month Program, 7 p.m., Colonial Ballroom, Squires: Keynote address by Gwendolyn Goldsby Grant.

Book Reading/Signing, 7 p.m., Volume Two: R.T. Smith.

Guest Recital, 8 p.m., Squires Recital Salon: Louise Billaud.

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

Friday, 26

International Club Coffee Hour, 5 p.m. Cranwell Center: "Mining and Environmental Safety in the Developing World," by Gustav Jackson.

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

Saturday, 27

Women's Basketball, noon, Atlantic-10 Tournament opens in Philadelphia. Opponent TBA.

Men's Basketball, 2 p.m., Cassell Coliseum: Duquesne.

New River Symphony, 8 p.m., Burruss auditorium.

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

Sunday, 28

YMCA Hike, 1:30 p.m., meet in parking lot 403 Washington. St.: Lipsey Farm.

TAUT Mainstage Production, 2 p.m., Squires Haymarket Theatre: *Into the Woods*.

Student Recital, 3 p.m., Squires Recital Salon: Cyndi Cox.

Music Ensemble Concert, 8 p.m., Squires Recital Salon: Early Music Ensemble.

MARCH

Monday, 1

Salary and Wage Paydate.

Women's History Month Begins.

Volunteer Fair, 11 a.m.-4 p.m., Squires Commonwealth Ballroom.

Faculty Development Workshop, 3-5 p.m., NMC, Newman Library: "Using MacroMedia Director to Create Digital/Multimedia Content."

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

Guest Artist Recital, 8 p.m., Squires Recital Salon: Tony Baker.

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

Tuesday, 2

Faculty Development Workshop, 10 a.m.-noon, NMC, Newman Library: "Introduction to QuickTime Virtual Reality."

Family Support Program, noon-1 p.m., DBHCC conference room G: "Adoption Issues and Questions."

Multicultural Program, noon-1:30 p.m., MCC, Squires: Monthly Book Club.

CEUT Workshop, 12:15-1:30 p.m., North Lounge, Johnson Student Center: "Inserting Pauses Into Lectures," by Margaret Hable.

VTU Program, 7:30 p.m., Burruss auditorium: "The King and I."

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

Wednesday, 3

YMCA Mornings, 9:30-11:30 a.m., Luther Memorial Church: "Quilting."

"With Good Reason," 7 p.m., WVTF: Program TBA.

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

Men's Basketball, Time TBA. Philadelphia, PA: Atlantic-10 Tournament.

Thursday, 4

YMCA Slide Show, noon, Cranwell Center: "Iceland by Jeep: Two Teens and Three Long Days," by Andy Roberts.

Student Recital, 8 p.m., Squires Recital Salon: Steve Oberheu.

TAUT Mainstage Production, 8 p.m., Squires Haymarket Theatre: *Into the Woods*.

SEMINARS

Thursday, 25

Statistics, 3:45 p.m., 409 Hutcheson: "Variance Dispersion Graphs: Overview and Applications," by Connie Borrer, Arizona State.

Electrical/Computer Engineering, 4 p.m., 654 Whittemore: Cutter Reduction in Ground Penetrating Radar," by Gary Brown.

Entomology, 4 p.m., 220 Price: "Management and Ecology

of Spruce Cone Maggots in Atlantic Canada," by Jon Sweeney, Canadian Forest Service.

Geological Sciences, 4 p.m., 2044 Derring: "Landscape Evolution in the Central Appalachians: Erosion Rates, Drainage Basin Dynamics and the Sedimentary Record," by David J. Harbor, Washington & Lee.

Friday, 26

Highlands in Chemistry, 11 a.m., 3 Davidson: "Reactive Intermediates in Nitrosamine Carcinogenesis," by James Fishbein, Wake Forest.

MCBB, noon, 102 Fralin: "The Long and Short of IP3 Metabolism in Gravitostimulated Maize," by Wendy Boss, N. C. State.

Communication Studies, 3:30 p.m., Hillcrest Honors conference room: "White Audiences for Black Music," by Michael Hughes.

Economics, 3:30 p.m., 3001 Pamplin: "Learning and Innovation: the Adoption of Pineapple in Ghana," by Christopher Udry, Yale.

Electrical/Computer Engineering, 4 p.m., 457 Whittemore: "Balanced-Realization Based Adaptive IIR Filtering," by S. Sankaran.

Physics, 4 p.m., 122 Robeson: "Theory of Chiral Symmetry Breaking by Magnetic Field in QED," by Igor Shovkovy, Cincinnati.

MARCH

Monday, 1

Electrical/Computer Engineering, noon, 654 Whittemore: Topic TBA.

CSES, 4 p.m., 232 Smyth: "Pernaculture: Applications Third World Development," by Christopher Jage.

Horticulture, 4 p.m., 409 Saunders: "The Importance of Being Degraded: Proteolytic Pathways From Arabidopsis to Zinnia," by Eric Beers.

Wednesday, 3

CASS, 3 p.m., 303 Davidson: Surface Modification of Fibers for Composite Reinforcements," by Leonardo Lopez, Dow Chemical.

Science and Technology Studies Center, 4-6 p.m., Brush Mountain Room, Squires: "Beauty and the Medical Image," by Nadine Lemmon, SUNY.

Thursday, 4

Entomology, 4 p.m., 220 Price: "Adventures of a Consulting Entomologist in British Columbia: A Bite of Reality," by Daniel Miller, U.S. Forest Service.

Geological Sciences, 4 p.m., 2044 Derring: "Use of Metaphors in Teaching Geology," by Susan Eriksson.

Affirmative Action incentive grant proposals sought

Elyzabeth Holford, director of Tech's EOAA Office, has announced the tenth call for proposals for the Affirmative Action Incentive Grants Program.

The program is designed to provide seed money for new affirmative-action activities for faculty and staff members or students. The program, which is a project of the university's EOAA Committee, will award grants of up to \$2,500 (from a total pool of \$20,000) for innovative affirmative action projects.

The awards will be made for a one-year period, beginning July 1, 1999, with a potential one-time renewal. Applicants seeking renewal or extension of previously funded projects must also submit a proposal.

Activities appropriate for support include: projects designed to demonstrate the effectiveness of new approaches to promote affirmative action; activities which will enhance the recruitment, retention, and advancement of women, minorities, and people with disabilities; programs that will encourage behavioral and attitudinal changes supportive of affirmative action, thereby improving the campus environment for women, minorities, and people with disabilities; and, studies seeking ways to improve Virginia Tech's ability to monitor and evaluate its affirmative action programs.

Proposals may be submitted by individual members

of the faculty or staff, by university departments, or by recognized campus organizations.

Application forms and further information concerning the Incentive Grants Program are available at the EOAA Office (336 Burruss Hall), by calling 1-7518, or from *kpo@vt.edu*. The deadline for application is April 2.

Leave donations requested

Virginia Tech employees in the Residential and Dining Programs area have requested leave donations.

There are still employees in the following areas of College of Veterinary Medicine and Residential and Dining Programs who requested leave donations.

These employees are eligible to receive leave through the Leave Sharing Program. Any salaried classified employee or a 12-month regular faculty member has an opportunity to participate by donating annual leave in increments of eight hours. There is no maximum donation limitation per year, nor is there a minimum balance that must be maintained.

Leave donations received after the employee's eligibility status changes (such as, return to work, disability retirement, retirement, etc.) will be returned to the donor in accordance with established Personnel procedures.

BULLETINS

To protect recipients, the names and details of the medical condition will remain confidential. However, leave must be donated to either a specific individual or area.

To obtain a donor form, ask a department administrative office or contact Personnel Services department at 1-9331. The completed form should be sent to Mary Chapman Gearheart, leave administrator, Personnel Services 0318.

Training on fiscal policies announced

The Controller's Office and the Office of Sponsored Programs are conducting training sessions for university personnel on how these standards, regulations and policies impact daily fiscal activities. This training is designed to provide the guidelines necessary to prevent the direct charging of costs that are normally considered indirect costs to sponsored programs.

Increased attention by federal auditors and project sponsors is being placed on university accounting of charges to sponsored programs. The goal is to educate the university community on how to implement these new policies and procedures in order to comply with the Cost Accounting Standards and federal regulations.

Three general training sessions are scheduled on the Cost Accounting Standards and University policies at the Donaldson Brown Hotel and Conference Center. To reserve a place in one of the following training sessions please call

Rick Richardson at 1-8558.

Training dates are: March 11, 9 to 11 a.m.; conference room A; March 17, 2 to 4 p.m., conference room B; March 24, 9 to 11 a.m., conference room C.

Grease! re-scheduled for March 17

The date for the upcoming Virginia Tech Union's Lively Arts show *Grease!* has been changed from April 19 to March 17. Tickets for *Grease!* go on sale beginning March 3 at the UUSA Ticket Office in Squires Student Center.

CEUT workshop Tuesday

The Center for Excellence in Undergraduate Teaching will host its "Meal and Mini Workshop," *Inserting Pauses Into Lectures*, from 12:15-1:30 p.m. on Tuesday, March 2, in the North Lounge of Johnson Student Center. Please pre-register by calling 1-6995 or by sending e-mail to ceut@vt.edu.

Early Music Ensemble offers Baroque program

Virginia Tech's Early Music Ensemble, directed by John Howell, will present a program of Baroque music by Buxtehude, Renaissance music by Orlando di Lasso and others and Medieval music by Hildegard von Bingen on Sunday, Feb. 28, at 8 p.m. in Squires Recital Salon.

Buxtehude pioneered the Chorale Cantata, a form that expanded the well-known hymns of the Lutheran church into larger, more festive settings. Twenty years later, Bach composed a set of Chorale Cantatas for the entire church year. Music of both composers still lives today, but the music of Buxtehude is heard less often. Howell will direct his Chorale Cantata, *Jesu, meine Freude*, with chorus, Baroque orchestra, and soloists Meredith Piplani, Matthew Schrader and Julia Brundage. The orchestra will include harpsichord, strings, violin, flutes, and recorder. Featured performers include Leon Kok and Michael Davis, violins; Patty Jones and Megan Ladley, flutists; Lisa Francis and Matthew Roberts, recorder.

Also on the program will be *Ave, generosa* by 12th-century German mystic Hildegard von Bingen, and two Italian songs, Orlando di Lasso's rollicking *Chi Chilichi* and Jacob Arcadelt's sensitive *Il bianco e dolce cigno*. Rounding out the program will be di Lasso's *chanson Bon jour, mon coeur*; an 18th-century flute trio by French composer Joseph Boismortier

featuring Patty Jones, Megan Ladley and Valerie Lett; and instrumental music from the courts of England's Queen Elizabeth and King James.

The concert is presented by the Virginia Tech School of the Arts and the Department of Music. Admission is free. For more information, please contact the School of the Arts at 1-5200.

New River Valley Symphony concert Saturday

The Virginia Tech School of the Arts and Department of Music present the New River Valley Symphony (NRVS) in concert on Saturday, Feb. 27, at 8 p.m., in Burruss auditorium. Chip McNeill, jazz saxophonist, will join the symphony as a guest artist. McNeill is the newest faculty member in the Music Department at Virginia Tech and was nominated for three 1999 Grammy Awards for original jazz compositions.

The NRVS frequently features music faculty of the Virginia Tech Music Department. This will be the first NRVS concert featuring McNeill, director of Jazz Studies at Tech. Before he came to Tech in 1994, McNeill performed with a variety of symphonies including the Atlanta Symphony, Dallas Symphony, Florida Philharmonic, National Symphony, and the Pittsburgh Symphony. For the past two years, McNeill has been touring with Arturo Sandoval, promoting Sandoval's recent CD *Hot House*. Three of the selections on the *Hot House* CD are original compositions by McNeill; all three were nominated for 1999 Grammy Awards.

Tickets are \$5 general, \$3 student and senior citizen. Advance tickets are available at the UUSA Box Office, located on the first floor in Squires Student Center, or call 1-5615. For more information regarding the concert, call the School of the Arts Information Line at 1-5200.

Volunteer fair set for March 1

"Ut Prosim: That I May Serve" Month will hold a volunteer fair on March 1, 11 a.m.-4 p.m. in Squires Commonwealth Ballroom. The fair is a joint effort between Tech student organizations and the New River Valley community service agencies in honor of the visit of General Colin Powell. The fair is a coming together of those groups and individuals to display the how, the where, and the who of volunteering. Sponsored by University Unions and Student Activities and Voluntary Action Center. For more information, call 1-5725.

Ticket policy for Powell speech announced

Tickets for General Colin Powell's speech here at Virginia Tech on March 30 in Cassell Coliseum will be distributed to students at no charge March 1-3. On March 4, the remainder of the tickets will be available to faculty, staff and the public. Faculty/staff tickets are \$8 and general public seats are \$10. Tickets will be available at the Squires Student Center Ticket Office. For more information, call 1-5615 or visit uusa.vt.edu/vsc.

ODK seeks membership nominations

Omicron Delta Kappa is a national leadership honor society in its 65th year at Virginia Tech. The Alpha Omicron Circle of ODK is asking faculty members to nominate undergraduate juniors and/or seniors, graduate students, administration (faculty or staff members), and alumni (who have been graduated at least five years) for membership into the society. Those nominees should demonstrate exemplary character, responsible leadership and service in campus or community life, superior scholarship, genuine fellowship and consecration to democratic ideals.

Nominations are submitted by completing a reference and application form. However, nominators are not responsible for completing the reference form for every person nominated for membership. ODK request that nominators inform potential candidates and encourage them to complete the application form. It is the student's responsibility to seek a reference.

To be eligible for membership, all students must have a minimum 3.0 overall QCA. A student candidate must demonstrate outstanding leadership/distinction in at least one area: 1) scholarship, 2) athletics, 3) campus or community service, social and religious activities, or campus government, 4) journalism, speech, or mass media, 5) creative and/or performing arts. Those tapped for membership into the society will be recognized as the most distinguished students on campus.

Nominations and application forms must be returned to Nicki Cantrell by 9 a.m., March 1. For more information, contact Mike Schmidt at 961-5890 or Judi Lynch at 1-6285.

Grant to deliver Black History Month keynote address

By Clara B. Cox

Gwendolyn Goldsby Grant will deliver the keynote address for Virginia Tech's Black History Month celebration at 7 p.m. February 25 in Squires Colonial Hall. A reception will follow in the Black Cultural Center in 126 Squires. Preceding her talk, she will participate in an informal discussion at 5 p.m. in the Black Cultural Center.

Grant is a psychologist, author, community activist, motivational speaker, magazine columnist, sex counselor, consultant, and lecturer who holds two master's degrees, a

doctorate in theology, and a doctorate in education.

A consultant for Fortune 500 companies, Grant specializes in assertiveness training, affirmative-action seminars, multi-cultural issues, parenting workshops, human sexuality, male-female relationships, child and elderly care, sexual harassment, stress management, and leadership and life-skills development. A particular focus is mental-health education.

She is the author of *The Best Kind of Loving*, a best-selling book about male/female relationships, and writes a monthly advice col-

umn, "Between Us," for *Essence Magazine* that draws over 7.5 million readers. She has also hosted a mental-health radio talk show and has made guest appearances on television and radio, including *Montel Williams*, *Good Morning America*, *Sally Jessy Raphael*, *Oprah*, *The MacNeil/Lehrer News Hour*, Black Entertainment TV, *Regis and Kathy Lee*, *The Maury Povich Show*, National Public Radio, *CBS News*, and CNN.

Grant is a member of the Phi Delta Kappa and Phi Kappa Phi Honor Societies and the National Association of Black Journalists. She

is a life member of the National Council of Negro Women. The Association of Black Psychologists awarded her the Bobby E. Wright Community Service Award for her work in mental health.

Grant's address, the informal discussion, and the reception are sponsored by the Black History Month Steering Committee, a program of the Dean of Students Office in the Division of Student Affairs.

All events are open to the public and are free of charge. For more information, contact Kimberly Philpott at 1-3787.

Students' parents pleased with Tech education

A sampling of parents of first-year students at Virginia Tech reports that the university generally meets their top expectations, according to a survey conducted by the Division of Student Affairs earlier this month.

The survey is a follow-up to a two-year study called the Parent Project in which more than 1,300 parents identified their top hopes and goals for students' overall college experience. The parents in the current survey had participated in the Parent Project and had agreed to be contacted by e-mail for follow-up. In the survey the parents reported how their own students are doing this year on the top seven parental goals. The survey drew responses from 35 percent of the group, or 143 parents.

"It is important for us to have a process in place to receive feedback from parents regarding their experiences with the university, and in

this particular case, I am pleased that the survey seems to indicate that the parents believe their sons and daughters have had a very good experience at Virginia Tech," said Landrum Cross,

'I am pleased...that the parents believe their sons and daughters had a very good experience at Virginia Tech....'

vice president for student affairs.

In the electronic survey, 92 percent of the parents agreed with the statement, "My student is receiving a quality education," and 92 percent also agreed with the statement, "My student is becoming more mature/independent."

Sixty-four percent of the respondents

agreed with the statement, "My student is preparing appropriately for the job market," with another 31 percent neither agreeing nor disagreeing. Many commented that it is too soon to answer this question in the first year.

Of the remaining four statements, 89 percent agreed that their student "is enjoying Virginia Tech," 80 percent agreed that their student "is on track to graduate," 74 percent agreed that their student "is academically successful," and 84 percent agreed that their student "is developing friendships/networks."

According to Cathryn Turrentine, director of planning and assessment for the Division of Student Affairs and survey coordinator, "Copies of each parent response have been sent to the appropriate associate academic dean for follow-up."

Service-Learning Center publishes *Best Practices*

Best Practices in Cyber-Serve: Integrating Technology with Service-Learning Instruction is a new publication from the Virginia Tech Service-Learning Center.

The purpose of the publication, made possible by a grant from Learn and Serve America: Higher Education, is to distribute insightful practices that highlight the use of technology in service-learning instruction. The authors discuss with candor their experiences in employing instructional technologies in service-learning programs and classrooms, and how this integration has been both challenging and ben-

(See *SERVICE-LEARNING* on 8)

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: Office/Clerical: 1-6196; Technical/Research: 1-6160; Service/Trades: 1-6176; Professional and Managerial: 1-4649; Information Technology: 1-2233. Some of the following positions include state benefits. Positions with numbers beginning with a "W" are hourly and do not include state benefits. Comments about this shortened listing should be made to perserv@vt.edu or by calling 1-5301 or 1-6258 for persons with hearing impairments. Individuals with disabilities desiring assistance or accommodation in the application process should call by the application deadline.

To better serve applicants, the closing date for advertised positions has been changed to 1 p.m. Monday unless otherwise stated. An EO/AA employer committed to diversity.

Full Time

Banquet Supervisor (fpw-a), 7424G, Donaldson Brown Hotel and Conference Center.

Business Analyst (Accountant Sr), U2339P, Physical Plant.

Computer Systems Engineer, 7414D, Communications Network Services.

Distance Learning Specialist, 7410D, Office of Distance Education.

Executive Secretary, 2226D, University Development.

Executive Secretary, 2102S, University Development.

Executive Secretary, 2300M, Veterinary Teaching Hospital.

Fiscal Technician, Senior, 2414P, University Bursar.

Food Operations Manager A/Sous Chef, 7266H, Residential and Dining Programs/Dietrick Dining Hall.

Food Operations Manager B/Executive Chef, 0029H, Residential and Dining Programs/Owens Dining Center.

Food Production Worker A (2nd Cook), W022480H, Residential and Dining Programs/Owens Dining Center.

Housekeeping Worker, 7323P, Physical Plant.

Housekeeping Worker, 1076H, Residential and Dining Programs.

Housekeeping Worker, 7261G, Recreational Sports.

Installation and Repair Tech. Senior, 7288D, Video/Broadcast Services.

Installation and Repair Technician, 7430S, Com-

munications Network Services.

Installation and Repair Tech. (Computer Tech.), 6841T, Parking Services.

Instructional Technology Systems Manager, 2122D, Educational Technologies.

Laboratory Specialist, 7428M, Plant Pathology, Physiology and Weed Science.

Laboratory Specialist, 7429M, Biochemistry.

Laboratory Specialist Advanced, 6375M, Food Science and Technology.

Locksmith, 218P, Physical Plant.

Office Services Assistant, 6614J, Human Nutrition Food and Exercise.

Office Services Specialist, 7427J, Materials Science and Engineering.

Plumber Steamfitter, 1926P, Physical Plant.

Prgm Spt Tech Senior (Web-Site Technician), 6914T, Physics.

Program Support Technician, 5548M, College of Agriculture and Life Sciences/Virginia Cooperative Extension-Pulaski County.

Programmer, 7405D, Administrative Information Systems.

Programmer, 6772D, Administrative Information Systems.

Programmer, 6795S, Educational Technologies.

Programmer, 1864S, University Libraries.

Programmer Analyst, 1288S, University Libraries.

Programmer/Analyst, 6824D, Administrative Information Systems.

Programmer/Analyst, 7246D, Information Systems.

Research Specialist, 7412M, Crop and Soil Environmental Sciences.

Research Specialist, 7425M, Southwest Virginia Agricultural Research and Extension Center.

Research Specialist Senior, 7422M, Fisheries and Wildlife Sciences.

Research Specialist Senior, 6517J, Center for Public Policy and Administration.

Senior Programmer Analyst, 7421G, Institutional Research.

Senior Programmer/Analyst, 7328D, Administrative Information Systems.

Part Time

Animal Care Technician A, W022155M, Veterinary Teaching Hospital.

Banquet/Setup (foa-b), W022143G, Donaldson Brown Hotel and Conference Center.

Electronic Technician Senior, W022588J, Engineering Science and Mechanics.

Enrollment Svcs Assistant (Academic Adviser), W022613T, Computer Science.

Fiscal Technician, W022619M, College of Agriculture and Life Sciences.

Food Operations Assistant B/3rd Cook, W022562H, Residential and Dining Programs/Personal Touch Catering.

Food Operations Assistant (Dishwasher), W022603G, Donaldson Brown Hotel and Conference Center.

Get Connected Technician, W022615D, Administrative Information Systems.

Housekeeping Worker, W022490H, Residential and Dining Programs.

Housekeeping Worker, W020214G, Schiffert Health Center.

Laboratory Aide, W020811M, College of Veterinary Medicine.

Office Services Specialist, W022331G, Program Development.

Office Services Specialist, 7284J, Civil Engineering.

Pharmacy Supervisor, W022501M, Veterinary Teaching Hospital.

Program Support Technician, 7413J, Research and Graduate Studies.

Program Support Technician Senior, W022294D, Administrative Information Systems.

Program Support Technician Senior, W022069D, Administrative Information Systems.

Program Supt Tech (Visual Resources Curator), W022616T, Art and Art History.

Programmer, W022504D, Communications Network Services.

Programmer, W022623M, College of Veterinary Medicine/Biomedical Sciences and Pathobiology.

Trades Helper/Carpenter's Assistant, W020219H, Residential and Dining Programs/Facilities.

University Only

Business Analyst (Accountant Sr), U2339P, Physical Plant.

Off-Campus

Distance Learning Specialist, 7410D, Office of Distance Education.

Office Services Assistant, 6614J, Human Nutrition Food and Exercise.

Program Support Technician, 5548M, College of Agriculture and Life Sciences/Virginia Cooperative Extension-Pulaski County.

Research Specialist, 7425M, Southwest Virginia Agricultural Research and Extension Center.

Research Specialist Senior, 7422M, Fisheries and Wildlife Sciences.

Research Specialist Senior, 6517J, Center for Public Policy and Administration.

INSTRUCTIONAL

Department of Computer Science. Instructors (3). To begin in August 1999. Applicants should have a master's degree in computer science or a strongly related discipline. Individuals are especially sought with experience or interest in innovating teaching approaches such as active learning, lab-based instruction, on-line course delivery, and distance learning. The department has significant laboratory facilities dedicated for undergraduate instruction, and all Virginia Tech students are required to own a personal computer meeting university standards. Instructors teach three courses per semester, almost always with support from graduate teaching assistants. The appointments are for one academic year (nine months) with additional funding available for summer teaching and the possibility of annual renewal. Applicants should send a curriculum vitae, a one-to-two-page statement of teaching philosophy and goals, and have at least three letters of reference sent to Instructor Search, Dept. of Computer Science (0106), 660 McBryde Hall, Virginia Tech, Blacksburg VA 24061. Review begins March 15, and continues until positions are filled.

Department of Forestry. Assistant/associate Professor, Forestry Operations/Forest Engineering. Po-

FACULTY POSITIONS

sition is 12-month, tenure-track. Responsibilities: Teaching and research in forest engineering and/or forestry operations: teach undergraduate and graduate courses in timber harvesting, forest engineering and operations; conduct research in timber harvesting and forest engineering and operations; advise undergraduates and supervise graduate students. Qualifications: Ph.D., with an emphasis in forest engineering or forestry operations; B.S. degree in forestry desired; expertise and current interests in harvesting and transportation aspects of forest resource management; industrial forestry experience desirable. Salary is commensurate with education and experience. Review begins March 15, and continues until a suitable candidate is selected. Starting date is negotiable, with a target of July 1, 1999 or soon thereafter. Send written letter of interest, vita, transcripts, and names and addresses of three references to Harold E. Burkhardt, Dept. of Forestry (0324), 307 Cheatham Hall, Virginia Tech, Blacksburg VA 24061. E-mail: burkhart@vt.edu; phone: 1-6952; fax: 1-3698.

Department of Forestry. Assistant/associate Professor, Geographic Information Systems. Position is 12-month, tenure-track. Responsibilities: Teaching and re-

search in GIS applications such as forest inventory and wood-supply analysis: teach undergraduate and graduate courses in quantitative data analysis within the candidate's area of expertise, with possibilities to include GIS, forest sampling and inventory, and wood-supply analysis; conduct research in forest inventory, wood-supply analysis, and/or GIS and collaborate in inter-disciplinary projects in the college; advise undergraduates and supervise graduate students. Qualifications: Ph.D., with an emphasis in quantitative applications; strong background in GIS principles and applications essential; a degree in forestry preferred; work experience in GIS applications to forest inventory and wood-supply analysis desired. Salary is commensurate with education and experience. Review begins March 15, and continues until a suitable candidate is selected. Starting date is negotiable, with a target of July 1, 1999 or soon thereafter. Send written letter of interest, vita, transcripts, and names and addresses of three references to Harold E. Burkhardt, Dept. of Forestry (0324), 307 Cheatham Hall, Virginia Tech, Blacksburg VA 24061. E-mail: burkhart@vt.edu; phone: 1-6952; fax: 1-3698.

Department of Civil and Environmental Engineering. Associate/full Professor. Tenure-track fac-

(See EMPLOYMENT on 7)

BOARD*Continued from 1*

applauded for this effort.”

While the General Assembly is still in session and the tuition buy-down has still not been signed into law, the board took this action contingent upon the additional appropriations from the state.

While additional funds are being provided to assist families of in-state undergraduates, out-of-state undergraduates will see their tuition rise by \$300 or 2.8 percent from \$10,716 to \$11,016. Non-resident students are required by state law to pay 100 percent of the cost of their education.

Tuition for in-state graduate students will remain the same at \$4,122 annually. Tuition for out-of-state graduate students will rise \$198 or 2.9 percent from \$6,732 to \$6,930.

Tuition for students in the Virginia-

Maryland College of Veterinary Medicine will rise 3 percent. For residents of Virginia and Maryland, tuition will be \$8,084, up from \$7,848. For out-of-state students, tuition for the 1999-2000 academic year will be \$21,308, up from \$20,688.

Last year the General Assembly allowed public universities to impose a technology service fee. Virginia Tech imposed a technology service fee of \$36 annually for all full-time students. The technology fee will remain the same for the coming year.

All full-time students are required to pay a comprehensive fee. The comprehensive fee is composed of five separate fees: student activity fee, athletic fee, bus fee, health fee, and recreational-sports fee. The comprehensive fee will increase \$23 from \$769 to \$792 to support additional costs for student health and student activities. Virginia Tech has the lowest comprehensive fee of any public university in the state.

Virginia Tech operates the largest residential program in the state, with 8,500 students living in its residence halls. Room rates for the coming year will rise 4.3 percent, a \$72 to \$140 increase depending upon which residence hall students live in. Board fees will rise 3 percent, from \$48 to \$56 depending upon

which meal plan the student purchases.

“These increases will pay for legislated salary increases, debt service for a new residence hall and dining facility, and the partial implementation of a plan to improve the quality of the residence halls,” said Minnis Ridenour, executive vice president.

The combined cost of attending Virginia

Tech in Fall 1999 as an in-state undergraduate student living on campus will be \$7,400, down from last year’s cost of \$7,953.

“That is still the lowest rate for any four-year public institution in the commonwealth,” Torgersen said. “An education at Virginia Tech is still the best buy in Virginia.”

ASPIRES*Continued from 3*

Ilija Luciak and others in political science and women in development for gender equality and democratization in Central America and Cuba.

Roger Ariew and others in philosophy for a collaborative research-and-information-retrieval project on early modern science.

Materials

Curtis Stern and James Thomas in ME for equipment for the Microwave Processing Laboratory.

Sean Corcoran in MSE for equipment for nano-indentation.

Paul Deck and others in chemistry, for preparation and detailed characterization of well-defined surface-constrained metallocene olefin polymerization catalysts.

Imadeddin Al-Qadi and others in CEE and ESM for a material testing system upgrade.

Timothy Long in chemistry to develop unique polymerization reactor capabilities.

J.R. Foy of ESM for tribological assessment of alternative bearings for artificial joint replacement.

Wilhelm Graupner of physics for organic opto-electronic devices.

Thomas Murray, John Lesko, and others in CEE and ESM for an addition to the Structures and Materials Research Lab.

David Dillard and others in ESM for a laser extensometer.

Transportation

John Collura and others in CEE for a multi-modal traffic systems laboratory.

EMPLOYMENT*Continued from 6*

ulty position in the Geotechnical Engineering Program. A Ph.D. in civil engineering or a related field is required. The position will be filled by an individual with an outstanding and nationally recognized record of accomplishment in geotechnical or geological engineering. Engineering leaders from academic, private practice, and government agencies are encouraged to apply. The intent is to fill the position at the full-professor level; however, exceptionally well-qualified individuals at the associate-professor level will also be considered. The successful applicants will be expected to contribute to teaching at the graduate and undergraduate levels, to develop a strong research program, and to supervise both master’s and doctoral students. Review begins March 1, and continues until position is filled. To apply, please send a re-

sume, a description of teaching and research interests, and the names and addresses of at least three references to George M. Filz, Search Committee Chair, Via Dept. of Civil and Environmental Engineering (0105), 200 Patton Hall, Virginia Tech, Blacksburg VA 24061. Information about the Geotechnical Engineering Program is available on the web at <http://cee/vt.edu/>.

NON-INSTRUCTIONAL

Department of Marketing. Department Head. Candidates must be tenure-track faculty members in the Department of Marketing, with preference given to those with tenure. Please submit letter of application and resume to James E. Littlefield, Department of Marketing (0236), Search Committee Chair, 2016 Pamplin, or e-mail jlittle@vt.edu. Phone: 1-9170. Search will close one week after this advertisement appears.

SEARCH COMMITTEE*Continued from 1*

not only with vision, but one who will be able to lead Virginia Tech through the uncharted waters of rapid change in higher education. The impact of technology, the need to ever more closely link higher education with societal needs, fiscal constraints, and even the pressures from for-profit educational institutions demand that we find an extraordinary person,” Turner said.

The committee, chosen to be representative of the university community, will be composed of members of the Board of Visitors, faculty, staff, students, and alumni.

Committee members are Thomas D. Rust, (chair), senior vice president, Patton, Harris, Rust & Associates, and member of the Board of Visitors; George J. Flick, university distinguished professor, Department of Food Science and Technology; Janine S. Hiller,

again due to the Asian economic crisis, virgin resin dumping, over-production, and the continued low oil prices which have kept virgin resin prices low.

Where does all this turmoil leave Virginia Tech Recycling? “For us, collection of recyclables goes on day after day, just as it always has,” said VTR Coordinator Larry Bechtel. “The changes we take in stride, and look for the positive consequences. While we regret suspending the mixed-paper collection, the suspension means we can focus more on the white paper, which has held its market value ever since we started taking it, about six years ago. There’s a lot that’s still going into the trash, and lot that used to go into mixed paper can now go into white. We’ll also be able to focus more on corrugated cardboard, which likewise has a more secure market value.

“Economics aside, recycling was, is, and will remain an act of stewardship. It boils down to a simple, personal desire to extend the useful life of the resources we take from the planet. But recycling can’t do it all, because we generate so much stuff. The three R’s: Reduce, re-use, and recycle must be incorporated together into the way we function as a campus community and as a society.”

professor, College of Business; Donald W. Huffman, partner, Huffman & Haig P.C., and member of the Board of Visitors; Mary Virginia Jones, technical director, Atlantic Research Corporation, and former member of the Board of Visitors; Johann A. Norstedt, department chair and associate professor, English Department; Barbara J. Pendergrass, dean of students; Kerry J. Redican associate professor, Department of Teaching and Learning, and president of the Faculty Senate; J. Wyatt Sasser, director of Custodial Services, Physical Plant Department; Mary T. Sproull, undergraduate student, Department of Biology; Roxene Thompson, graduate student, Department of Civil Engineering, and graduate-student representative to the Board of Visitors; and G.T. Ward, partner, Ward Hall Associates, and former member of the Board of Visitors).

Virginia Tech Recycling: Revised Paper Recycling Timeline

March 30: Campus collection of mixed paper from buildings and offices ceases.

March 31: Containers for collection of mixed paper outside Derring, Randolph, Owens, Litton-Reaves, and Hutcheson will be removed.

April 1: Processing of mixed paper by MRSWA Recycling Center ceases.

Virginia Tech Recycling: Revised Paper Recycling Guidelines

Collection of white paper, newspaper, and corrugated cardboard will continue as usual. Beginning April 1, VTR will pick up magazines and catalogues (at least 50 pounds) upon request.

Beginning April 1, VTR will provide a drop site for magazines and catalogues at Derring Hall (look for the maroon container at the loading dock on the west side of building).

White paper includes photocopy paper, letterhead paper, notebook paper, computer paper, stationery, opscan forms, white business cards, and envelopes (no windows). Newspaper includes news pages, glossy inserts, and comic pages. Only glossy magazines and catalogues will be accepted.

No phone books, unsolicited mail, colored sheets, etc., will be accepted.

For questions or suggestions, contact the VTR office at 3-9915 or lbechtel@vt.edu.

RILEY*Continued from 2*

Columnists are certainly a colorful bunch, Riley said. Ambrose Bierce once traveled with Pancho Villa’s army. George Frazier reported a Yankee-Red Sox game—in Latin. Robert R. Haggart spent time in jail for releasing 200 pigs from a pigpen. Robert Sharon Allen claimed to have been the first American to hate Adolph Hitler. Charles Driscoll had the world’s largest private library on pirates.

Columnists sometimes saw life’s harder times, Riley said. Lillian Lewis was born the daughter of a runaway slave. Victor Riesel was blinded by sulfuric acid flung by an assailant. Bill Maxwell began his work life as a migrant farm worker.

But they also flew higher, literally and

figuratively: Inez Robb was on Pan Am’s first round-trip trans-Atlantic flight. Morrie Ryskind wrote for the Marx Brothers. I.F. Stone wrote a best-selling book on Socrates. Nick Kenny wrote Pat Boone’s big hit “Love Letters in the Sand.” Sam Ragan and Charles Levendosky were the poet laureates of their states. David Lawrence founded and owned *U.S. News & World Report*.

Riley teaches mainly newspaper and magazine writing, communication history, and communication law and ethics. He has written or edited 14 books, including *Magazines of the American South*, *The Best of the Rest: Non-Syndicated Newspaper Columnists Select Their Best Work*, and *Biographical Dictionary of American Newspaper Columnists*.

Johnson named to new post in Forestry

By Lynn Davis

Virginia Tech's College of Forestry and Wildlife Resources, in re-ordering its administrative positions to better support areas that are becoming increasingly more important, has named James E. Johnson to the new post of associate dean for outreach. He will coordinate the college's efforts in Cooperative Extension, continuing education, and economic development.

"We are pleased to have Jim move into this leadership position," Dean Greg Brown announced. "In his new role he will hold a 75-percent administrative appointment and retain a 25-percent appointment in the Department of Forestry."

In addition to his Extension and research duties as professor of forestry, Johnson had been an Extension project leader for natural resources for the state of Virginia for nearly six years.

"Because the environment now plays such an important role in life today," Johnson said, "the need for natural-resources education and services is greater than ever. Our college outreach efforts serve to take the research, knowledge, and talents of our faculty and apply them to helping citizens and companies to solve problems and acquire timely information."

Johnson explained that outreach involves non-traditional means for teaching and learning by non-traditional audiences. For the past 20

years he worked in teaching, research, and Extension programs and generated nearly \$2.3 million in contract and grant funds.

Johnson has published 150 scientific papers, technical articles, and Extension publications, and edited 14 symposium and workshop proceedings. He has also won five Southern Regional Awards for Excellence in Extension Programs, and is one of only two Extension forestry professors in the United States to win the National Woodland Owners Association Award for Outstanding Forestry Communications three times.

Johnson holds a B.S. degree in forestry from Colorado State University, an M.S. from the University of Maine, and a Ph.D., from Virginia Tech.

Board Approves Parking-Fees Increases

By David Nutter

At Monday's Board of Visitors meeting, the board approved a \$5 increase in the parking fee for faculty and staff members (up from \$50 to \$55), and a \$4 increase for students from \$40 to \$44. The fee increase is the first since 1994.

Steve Mouras, director of transportation, records and trademark management, said the increase would cover cost of parking-lot construction and maintenance. Mouras also said the Litton-Reeves lot will be renovated this summer and the Coliseum lot is scheduled to undergo renovation in the summer of 2000.

Officials also confirmed that beginning in August, overnight guests at the Donaldson Brown Hotel and Conference Center will be charged a daily parking rate of \$1. Contractors' personal vehicles will be charged for a parking permit at the same rate as for faculty/staff parking. Additionally, parking fines will increase from \$15 to \$20.

COTA announces conference-grant program

By Catherine Doss

The Center for Organizational and Technological Advancement (COTA), a unit of the university's Outreach Division, has announced a grant program for assisting faculty and staff members in developing conferences at the Hotel Roanoke and Conference Center (HRCC).

The grant awards of up to \$5,000 must be used for honoraria and associated travel for faculty members and outside speakers.

"Awards will be made for new and innovative programs not currently available," said Greg Boardman, faculty director of COTA. "Sele-

tion criteria will include the potential for national and international recognition, the expected number of participants, and the anticipated benefits to the department, college, and university."

All proposals must include a timetable with interim milestones for project completion and be signed by the respective department head and academic dean. Proposals will be reviewed by the university's outreach council, with final awards being approved by the vice provost for outreach upon recommendation from

the outreach council. Each program must include the purchase of lodging rooms and/or meeting packages at the HRCC.

Proposal forms and budget worksheets are available by contacting Boardman by telephone at 1-2013 or by e-mail at gboard@vt.edu. Forms are also available on the web at www.cota.vt.edu.

Applicants should send two copies of their proposal. One copy must be sent to Boardman at mail code 0175. The other copy should be sent to the outreach council member who represents the applicant's college.



Board of Visitors Rector James Turner, left, with President Paul Torgersen at Monday's board meeting. (R. Griffiths)

TORGENSEN

Continued from 1

wasted no time in making tough streamlining decisions. He merged two colleges, Education and Human Resources, into one in 1995. He downsized his personal staff and quietly effected the retirement of others.

But by his own admission, he will probably be known as the teaching president. Of his latest role he often said, "I consider myself a professor who also is president." Throughout his three-decade long Virginia Tech career, he always taught at least one class each semester...much to the chagrin of staff members trying to schedule his appearances around the state or country.

Along the way, he held the post of interim president for nine months in 1988 taking over after the resignation of the twelfth university president, William Lavery. He was also interim vice president for Development and University Relations in 1992. He was again tapped as interim president upon McComas' sudden departure for health reasons in September 1993. The Board of Visitors permanently appointed him to the post effective in January 1994.

Torgersen will remain president through the end of the year. After that, "I plan to enjoy my new home on a hill overlooking the Ellett Valley and find ways to keep busy at my own pace." Always the self-effacing teacher, he said, "I might even be persuaded to continue teaching voluntarily on a part-time basis, if the College of Engineering will have me."

UNIVERSITY

Continued from 1

rials for off-campus students; evaluate the system and document the results of the evaluation

8) document the university's new system of annual monitoring of compliance with intercollegiate athletics policies.

"We're making a lot of progress in these areas," said Dixon Hanna, who co-chaired with Ann Spencer the coordinating committee for the institutional effectiveness component of the re-accreditation process. "We have either corrected or are in the process of correcting and documenting all eight of the deficiencies."

A follow-up report is due to SACS by Oct. 1, 1999. Hanna said he expected all of the deficiency areas to be corrected and documentation in place by that time.

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

Virginia Tech
Blacksburg, VA 24061

SERVICE-LEARNING

Continued from 5

official. The nine articles in the collection, representing efforts in horticulture, literacy, nutrition, physics, women's studies, education, landscape architecture, and interdisciplinary studies, provide a range of examples for integrating technology with service-learning in a variety of instructional and administrative settings.

To receive a copy of Best Practices in Cyber-Serve, contact Michele James-Deramo, director of the Service-Learning Center, at 1-6947 or deramo@vt.edu.