

SPECTRUM

Virginia Tech
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

VOLUME 21 NUMBER 17 THURSDAY, JANUARY 21, 1999

TODAY'S EDITION

See page 5 for
information on Black
History Month.

Powell to speak here in support of volunteerism



POWELL

By Clara B. Cox

General Colin L. Powell, former chairman of the Joint Chiefs of Staff in the U.S. Department of Defense and a strong proponent of volunteerism, will speak at Virginia Tech on March 30 as part of "Ut Prosim: That I May Serve," a student volunteer program sponsored by the Department of University Unions and Student Activities (UUSA).

Powell's visit will include a small private reception for selected student leaders and event sponsors, followed by the general's lecture on "Challenges of a Changing World" at 7:30 p.m. in Cassell Coliseum. His address will highlight the university's year-long celebration of community service and volunteerism that includes sorority and fraternity volunteer events, a volunteer fair, and a university-wide Day of Service.

After retiring from the military in 1993 after 35 years as a professional soldier, the popular general turned his attention to at-risk

children and volunteerism. In April 1997 he chaired the President's Summit for America's Future and since then has been serving as chair of America's Promise—The Alliance for Youth, a national campaign on behalf of the nation's young people that was launched at the summit. He is the author of a best-selling autobiography, *My American Journey*, which traces his life from his birth in Harlem to his role in advising the country's three most recent chief executives: Presidents Reagan, Bush, and Clinton.

Tickets will be required for admittance to his talk at Virginia Tech. In accordance with his request that the event focus on students, the Virginia Tech Union and the Virginia Tech Corps of Cadets Center for Leadership Development, principal sponsors of the event, will make 75 percent of the tickets available to students, with 15 percent going to faculty and staff members and 10 percent to the community. Students will be required to have tickets but will not be charged admission, while the cost for

faculty and staff members will be \$8, and for the general public, \$10.

The Squires Center Ticket Office will handle the distribution of tickets, with 6,000 available for students and 2,000 available for sale. Student tickets will be distributed March 1-3, and tickets for faculty and staff members, and general public will be sold on March 4-5. For ticket information, call 1-5615.

UUSA, which is coordinating the general's visit, has established a web site (www.uusa.vt.edu/vsc) to provide information on the event. Information is also available by calling UUSA at 1-5661.

Businesses or organizations interested in sponsoring the event should contact Melinda Crowder at 1-5431. Tickets to the lecture and/or the private reception will be made available to sponsors depending on the level of sponsorship.

International travel support increasing

By Susan Trulove

In keeping with Academic Agenda Strategic Direction 3.5 to "Internationalize the University Experience," the Office of the Provost has secured a \$25,000 annual commitment from the Virginia Tech Foundation to expand the International Travel Supplemental Grants (ITSG) program to include international faculty-member travel for developing collaborations, and has extended the International Faculty Fellows pilot program for a second year.

The ITSG program—formerly the International Conference Travel Supplemental Grants Program—is administered by the Research and Graduate Studies Office for Program Development. Gene Brown, associate provost for program development, explains that the \$25,000 will fund 25 additional international travel grants.

"It expands an already-successful program and allows us to emphasize collaboration, where previously we were limited to supporting faculty members who were invited to present at international conferences. We saw in reports from faculty members returning from these trips that there was significant opportunity to expand our international connections so we are delighted to be able to add a specific support program for this purpose. In addition to supporting faculty members who are looking for opportunities to share data and to find funding for their research, we will consider requests from faculty members who are interested in working out arrangements for graduate student and faculty exchanges," says Brown.

Lyn Gray, director of the University

(See *INTERNATIONAL* on 7)



GOING UP Probably the most visible construction project on campus is the ACITC building, which will overarch the mall. (J. McCormick)

Administrative reorganization announced

By Larry Hincker

Senior Vice President and Provost Peggy S. Meszaros and Vice President for Information Systems Erv Blythe, have announced an important reorganization effort affecting Information Systems.

Eileen Hitchingham, dean of the University Libraries and her staff, will report directly to the provost. Hitchingham previously reported to the university's vice president for information systems. "This switch will more closely link the library function with the academic enterprise of the university," Meszaros said. "This change recognizes the close and continuing ties of library goals with the university's academic mission, the opportunities for joint projects in support of research and teaching that exist between the colleges and the library, and the essentially academic nature of the core of the library operations."

According to Blythe, "This change in reporting relationship will continue the effort initiated several years ago, through the Collegiate Librarians program, to integrate library resources with the rapidly changing needs of the colleges. Information Systems will continue to be intimately involved in the advancement of digital libraries and critical digital resources serving our faculty."

The change became effective January 1. "I am pleased and excited about this new reporting structure," Hitchingham said. "We will continue to value and work in appropriate partnerships with our colleagues in Information Systems. All of us want to ensure that everyone in the university has access to

(See *ADMINISTRATIVE* on 8)

Legislators to Allocate Surplus Funds

By Ralph Byers,
director of government relations

The 1999 General Assembly convened

on January 13, facing decisions on how to deal with an estimated budget surplus of over \$800 million for the biennium. On the previous December 19, Governor James Gilmore proposed amendments to the biennial budget that would allocate virtually all of the surplus. With the General Assembly almost evenly divided between Republicans and Democrats, major changes in Gilmore's recommendations seem unlikely.

For higher education, Gilmore recommended an increase in operating funds of \$103 million, some \$75 million of which is directed to a 20-percent across-the-board

tuition rollback for in-state undergraduates. This recommendation replaces tuition dollars with state tax dollars but does not increase the funds available to the institutions

for operating purposes. Increases in operating funds in addition to the tuition rollback were recommended for some institutions. George Mason University received the most, about \$11 million; Old Dominion University and Norfolk State University received about \$2 million each, and lesser amounts were recommended for several other institutions.

Virginia Tech received \$1.4 million for a technical adjustment; these funds do not increase operating support, but if not received would cause a budget reduction in that amount.

(See *LEGISLATORS* on 2)

GENERALASSEMBLY UPDATE

Duncan develops facility to field-test bridges

By Lynn Nystrom

In the summertime, as temperatures become warmer, people usually notice that their fingers are subject to swelling, making it almost impossible to remove a ring. When the air cools, your hand returns to its normal size.

This same phenomenon can also affect building materials.

For example, bridges are subject to fluctuations in length, according to J. Michael Duncan. Duncan is an expert in the field of geotechnical engineering and a member of the National Academy of Engineering.

There are many types of bridges and, one in particular, the integral bridge, exacerbates the expansion-contraction problem. Used extensively in Tennessee, the structure may become inches longer in the middle of the day, Duncan said.

Nonetheless, it is considered by many engineers to be a better way to build bridges, mainly because it offers a possible solution to another problem facing the highway industry.

An integral bridge has no joints in its deck, and the structure is connected rigidly to the abutments, so they act as a unit. The abutments are usually supported on piles. The problem with integral bridges occurs with the horizontal movement of the piles or the abutment against the adjacent soil. "As the bridge pushes on the approach fill, and then recedes, the fill settles, and then a driver of a car can feel the bump at the end of the bridge," Duncan said.

A conventional bridge has expansion/contraction joints to accommodate the change in

length as temperatures rise and fall. Salt and dirt will enter the joints and cause corrosion and other costly damage. As a possible solution to avoid this expensive maintenance problem, engineers have been considering the increased use of the integral bridge.

However, integral bridges pose their own assortment of design challenges. "What we are really doing is moving the problem to the end of the bridge," Duncan, a university distinguished professor, said. "When the bridge expands as a result of increasing temperatures, it creates a reaction—earth pressures that push against the ends of the bridge. These forces complicate the design."

However, cost favors the integral bridge. By not using joints, construction and maintenance costs are less. Fewer piles are required for foundation support, and research has shown that the seismic performance of integral bridges is better.

"Virginia has been cautious about using integral bridges," Duncan said. One 98-meter integral bridge in the state was monitored by Ed Hoppe and Jose Gomez of the Virginia Transportation Research Council for more than two years. They found that the earth pressures against the abutments of the bridge mirrored the daily temperature changes, as the steel girder-concrete bridge expanded and contracted. As the abutment moved back and forth, the fill adjacent to the bridge settled.

"We need to develop rational procedures for the design of integral abutment bridges that include the secondary forces induced in the

bridge as the abutment is pushed against the approach fill. This will require a better understanding of the interaction between the bridge, the abutment, the approach fill, and the piles that support the abutment."

Currently, the Federal Highway Administration (FHWA) has mandated limits on the length of integral bridges as it considers long-term effects of the daily and seasonal movements. The FHWA is also interested in the effects of using different materials. For example, temperature variations cause steel to change more rapidly than concrete. If a bridge is made of both steel and concrete, then the interactions of the two materials must be considered.

Under the sponsorship of the Virginia Transportation Research Council, Duncan and Richard Barker, a member of Virginia Tech's structures program in civil and environmental engineering, together with Bob Mokwa, a doctoral candidate, have developed a field-test facility to work on the design problems. The site, approximately 10 miles west of Blacksburg, lies within the flood plain of the New River, and is designed for performing load tests to determine the lateral load resistance of pile caps and integral bridge abutments.

During the next year, Duncan, Barker, and Mokwa will obtain data to use in assessing the accuracy of current theories for evaluating the relationship between earth pressures on, and movements of, integral abutments, pile groups, and pile caps. "This will place integral bridge designs on a more rational basis," Duncan said.

Good receives Pioneer Award from IEEE

By Sally Harris

Statistics Distinguished Professor Emeritus Jack Good of Virginia Tech has received the International Computer Pioneer Award from the Institute of Electrical and Electronics Engineers (IEEE) Computer Society.

Since 1981, the IEEE Computer Society has presented Computer Pioneer Awards to persons making significant contributions to concepts and developments in the electronic computer field, contributions that have clearly advanced the state of the art in computing. Contributions must have taken place at least 15 years before the award.

Good started contributing to the computer field many years ago. He was born in 1916 in London, England, and displayed mathematical abilities at an early age. He pursued an advanced mathematics degree at Jesus College, Cambridge. During World War II, he was recruited to the British government's Code and Cypher School at Bletchley Park.

There Good contributed to the daily breaking of the two main German military systems, first the Naval Enigma and later an even higher-grade system known to the Allies as Fish or Tunny (Schueselzusatz 42). The reading of the Naval Enigma was especially important for the Battle of the Atlantic, while Fish was the main source of intelligence about German strategy in the last year of the war, Good said.

M.H.A. Newman instigated the section dealing with electronic machine attacks against Tunny. The first two cryptanalytic aides to Newman were Good and Donald Michie. They were at first the users of a small electronic machine called Heath Robinson. That machine was unreliable, Good said, but they managed to obtain enough results from it to justify the building of a much better large machine called Colossus. They also influenced the design of later models. The second model was ready a few days before the Allied opening of the Second Front in Normandy. Colossus was the first large-scale electronic computer, but it had a special purpose. The head engineer was Tom Flowers, who died this year at age 92.

After the war, Good participated in the creation of the Manchester Baby machine, which was the first electronic computer to be controlled by an internally stored program. It led to the Manchester Mark I computer, which was the first full-scale computer of that kind.

Good came to the United States in 1967 and joined the faculty of Virginia Tech, where he is now university distinguished professor emeritus in the Department of Statistics.

Barry W. Johnson, immediate past president of the IEEE Computer Society and a professor in the Department of Electrical Engineering at the University of Virginia, presented the award. J.A.N. Lee, Virginia Tech professor of computer science, coordinated activities in Blacksburg.

Previous recipients of the Pioneer Award include the designer of Cray computers, the man who invented the mouse and established the field of human-computer interaction, the woman who coined the term "bug" in connection with computer programs and led the development of the COBOL programming language, the original developer of the integrated circuit at Texas Instruments, the founder of artificial-intelligence studies at MIT, the co-founder of Intel, and the developers of the UNIX operating system and the C programming language.

For more information about Good, go to the web site <http://ei.cs.vt.edu/~history/Good.html> or request from the statistics department the Statistics Department Technical Report 98-11, which contains a biography and his acceptance speech.

Pine research important to Burkhart

By Lynn Davis

"When International Paper recently bought Union Camp, it may have been cheaper for the giant to have bought a South American country to add to its resource base," forestry department head Harold Burkhart said somewhat jokingly. To ensure that America does meet the demand for wood products, Virginia Tech plays a key role in the largest of all revenue producers, the loblolly pine.

Twenty years ago, Burkhart organized a cooperative with Virginia Tech's forestry researchers and the nation's top forestry companies. The technical mission was "to develop loblolly pine-tree growth and stand models sufficiently flexible to account for the effects of intensive cultural practices, with output detailed enough to allow for analyses of a full range of options."

Implicit in the process of sustainable forest management is the projection of stand development, growth, and yield. Forest managers rely on projected stand values to evaluate production goals, rotation lengths, and feasibility of various silvicultural alternatives.

The basic premise of the co-op was that growth and yield research consists of a continu-

ous cycle of data collection, analysis, and interpretation. To accomplish this, industry partners contribute a total of \$100,000 annually for research on loblolly pine growth and yield.

Virginia Tech uses this forestry co-op research money to develop models that forecast the amount and quality of pine yields and to find the best ways to prepare sites, control vegetation, plant genetically improved stock, thin, and fertilize.

Co-op meeting sites are rotated annually, so this year it was Virginia Tech's turn to host the twentieth event. Industry coordinators came to campus in December to discuss the research focus. They also toured the Reynolds Homestead Forest in Critz, where Superintendent Richard Kreh and regeneration researcher Shep Zedaker showed them some study plots.

"The private landowner benefits along with big business from the research because Extension and the Department of Forestry pass along the research results and help the local forest farmers implement better management practices," Burkhart said. "Consumer demand for forest products keeps increasing while available land for timber production decreases, so the need for efficient management and accurate

stand prediction becomes acute."

Loblolly pine overwhelmingly is the single greatest revenue-producing tree species in Virginia. Each year in Virginia nearly 100,000 acres of new pine stands are created.

Burkhart, who continues to direct the research co-op he founded, is assisted at the college by Ralph Amateis. "Applying the forest-production models that we have developed for managing pine stands," Burkhart said, "results in an increase of approximately \$50 per acre in net present value over 'typical' management practices. The potential economic impact of improved management of this timber type alone is \$4.5 million per year."

Industry participants at the annual meeting included Jim Vardaman, a seasoned forest consultant who heads his own national firm, James M. Vardaman Co., and representatives from Bowater Incorporated, Champion International, Georgia-Pacific Corporation, International Paper Company, Mead Corporation, Temple-Inland Inc., Union Camp Corporation, Westvaco Corporation, Weyerhaeuser Company, Willamette Industries, and Virginia Department of Forestry. Seven of the industry guests were Virginia Tech alumni.

tal outlay.

In keeping with this effort, Virginia Tech is submitting operating amendments totaling \$18 million. These amendments address such areas as increasing enrollment in high-technology disciplines, research projects in support of economic development, funding for such initiatives as the Math Emporium, and critical operating issues to increase basic support for the academic mission. For agency 229, the university is requesting \$760,000 to augment the \$1.7-million increase received last year for the Plan to Serve Virginia Agriculture, Human, and Natural Resources

The House Appropriations and Senate Finance committees will consider these requests over the next few weeks and each will present its recommendations on Sunday, Feb. 7. The session is scheduled to adjourn on February 27.

another 5.8-percent average increase for faculty members Nov. 25, 1999. Most classified employees will receive increases of 6.25-percent for 1999-2000 in two steps. First, employees whose performance meets expectations and who have been employed for three or more years will receive a 2.25-percent increase June 25. In addition, a four-percent across-the-board raise for employees who meet expectations is recommended for November 25.

As has been the case in recent years, the colleges and universities have coordinated their efforts in a cooperative budget request addressing higher education's needs beyond Gilmore's recommendations. The institutions are asking the General Assembly to increase the governor's budget by the following amounts: \$77.4 million for increased operating support, \$13.9 million for student financial assistance, \$32 million for maintenance reserve, and \$32 million for capi-

LEGISLATORS

Continued from 1

Similar recommendations in this category were made for a number of other institutions. In addition, a number of institutions received funding to continue to address the Year-2000 problem.

In capital outlay, Gilmore recommended \$1.9 million for Virginia Tech to address a shortfall in the Advanced Communications and Information Technology Center currently under construction. Also, \$1.3 million was recommended for emergency repairs at the Hampton Roads Agricultural Research and Extension Center in Virginia Beach.

No recommendations were made concerning faculty salaries because the General Assembly fully funded the institutions' biennial request last year. For Virginia Tech, this means

Poverty simulation part of experimental learning experience

By Nancy Templeman

No one would voluntarily live in poverty, would they? Perhaps not, but 65 people took part in "Life in the State of Poverty" simulations at Virginia Tech recently as part of an experiential learning activity.

Dawn Barnes, Virginia Cooperative Extension family and consumer-sciences agent in Floyd County who directed the afternoon session, said, "For 38.1 million Americans, it is not a simulation. They live in or on the edge of poverty. They face daily challenges that most of us never encounter."

The activity was put on by the Virginia Tech Service Learning Center (SLC) in conjunction with Virginia Cooperative Extension. Maureen Fallon of the Service Learning Center, who organized and produced the simulation, said service learning means a method by which students or participants learn and develop through active participation in thoughtfully organized service. Most of the Service Learning Center activities focus around placing students at volunteer sites in the local community. The students reflect on their experiences within the context of their course work.

In the Life in the State of Poverty simulations, each participant assumed the role of member of one of 26 different families facing poverty. The family sizes and financial situations ran the gamut. Individual roles included the newly unemployed, the recently deserted by a "breadwinner," and recipient of AFDC, both with or without additional earned

income. Still others were disabled, senior citizens receiving Social Security, and children ranging in age from 3 to 17.

Twenty-eight people—students and Virginia Tech and community-service employees—took part by assuming the roles of workers in the community. Their roles included: mortgage lender, utility company personnel, teacher, police officer, pawn broker, tellers at a check-cashing service and a bank, grocery-store owner, food-bank worker, welfare staff, and a "career criminal" whose task was to try to lead participants astray.

The task of the "families" was to provide for basic necessities and shelter during the course of four 15-minute "weeks." Each of the simulations took just over three hours. They included an introduction and briefing, the actual simulation exercises, and debriefing periods at the end during which the participants and volunteer staffers shared their feelings and experiences.

The 30 people who participated in the afternoon session had some interesting observations at the end of their "month" in poverty. Most commonly reported feelings about their role situations were overwhelmed, frustrated, angry, and embarrassed. No matter what they did or how hard they tried, they couldn't catch up, let alone get ahead.

Time became a very valuable resource for them. They found themselves waiting for everything. With no checking accounts, they couldn't write checks and mail them off to pay bills. They went to the check-cashing service to

get their Social Security, pay, welfare, and other checks cashed and paid a 1-percent premium for the privilege. They then had to visit every business to settle their bills, again waiting in line.

Most couldn't pay off all of their outstanding bills and found themselves haggling with the utility company and the landlord or mortgage company. What was the least they could pay to avoid shutoffs or evictions?

Jobs were elusive; some participants found themselves sitting at the job center all week without finding any work. Even getting a job didn't solve problems for some. The jobs took time away from dealing with everyday problems that needed tending to and cost money as well as bringing it in. Mothers did not have enough to pay for transportation and there was no day care for their preschoolers. One mother was able to work, however, she was not notified when the sheriff's deputies evicted her family and took her home-alone children into social services. A high-school student got a job, but couldn't get to it for two weeks because he had no transportation.

One participant, who had the part of a school-age youngster, reported feeling embarrassed at school. The school was having a fund raiser, and the teacher told the students that what she was asking for wasn't much. However, the "student" reported, "I didn't even have that much. We needed food at home."

To add a little more reality to the roles, the simulation included "Luck of the Draw" cards.

Some of the cards gave the families good surprises. Others presented families with additional setbacks.

The "grocery-store owner" had data on how much each family needed to spend to adequately feed all family members each week. She found that the families were not spending all they needed to keep themselves healthy. The simulation mirrored what too often happens in the real world; the one expense that every family could control was food, and they skimped on their diets to meet other expenses.

Another real-life temptation, crime, became an issue when a couple of the participants could find no other way to get money.

One of the "welfare" workers questioned why only one or two people came to the welfare office during the first or second "week." The food-bank worker noted a similar lack of people using the food bank to save their "dollars" for other expenses.

Discussion among the participants revealed that most of them did not want to admit they couldn't make it on their own. They were sure if they handled all the challenges correctly, they wouldn't need welfare or charity.

Virginia Cooperative Extension agents throughout Virginia are using the "Life in the State of Poverty" simulation as a community-education program. It helps citizens and leaders in their communities better understand the life challenges and barriers confronted by poor families on a daily basis.

Newman Library lobby renovated

By Maria Gilera,

University Relations intern

Students, faculty and staff members, and other patrons of Newman Library now enter a more friendly, inviting atmosphere, thanks to a gift from the Class of '45 that funded the renovation of the library's lobby.

According to Tom Hamilton, development director of University Libraries, the class provided \$142,000 for the work. The money was donated by the class following—and in celebration of—its fiftieth reunion in 1995.

A dedication ceremony was held on October 10 "to recognize the donors for their

(See *NEWMAN* on 8)

Exchange programs broaden forestry outlook

By Lynn Davis

What does a student in the United States have in common with students in Australia, New Zealand, or South Africa? If they are majoring in forestry, the answers are limitless. Forestry is a global activity because actions taken by the United States span across the globe and affect other nations, too.

The College of Forestry and Wildlife Resources realizes this and strives to broaden the outlook of forestry students through exchange programs. It participates in exchange programs with the University of Canterbury in New Zealand, the University of Melbourne in Australia, and the University of Stellenbosch in South Africa.

Forestry professor Shep Zedaker coordinates all three exchanges. The program with Australia, which began in 1992, was the first study exchange. New Zealand was added in 1996, and an exchange with South Africa was added this year. Every year, six students from Virginia Tech go overseas to these institutions and students from the universities come over here in return.

"The program was started to keep us from being so provincial in education and knowledge," Zedaker said. "International exchanges give our students and students from other universities the chance to experience forestry in different lands."

Students spend the semester abroad from February through December, and then work in that country for a summer. All three exchange schools with Virginia Tech have European educational systems and are selective in their admissions. Students accumulate one grade for the entire semester, which they receive after completing a final exam or final project.

Virginia Tech students pay their regular Virginia Tech tuition plus airfare and a student health fee. To qualify for the exchange programs, students submit an application, a resume, and an interest statement outlining why they would like to participate and what benefit their international experience would bring to forest management. Two students are chosen for each school based on scholarship, participation in forestry and wildlife organizations, and the interest statement.

In the exchange, students visit Virginia Tech from the three schools to receive an international view of forestry. Those students also seek to gain knowledge that they would not have otherwise.

For Chris Goodwin, a New Zealand exchange student, this means becoming aware of the multiple aspects of forestry. The tree plantation in New Zealand is not as diverse as in the United States. At Virginia Tech he can learn about topics, such as silviculture of hardwoods, which cannot be found in his country.

"It is an enlightening, horizon-broadening experience," Goodwin said. "Forestry back home is very monotypical and here there are different aspects. It allows me to be more aware of the multiple uses of forestry."

Forestry is a global activity that affects countries around the world. Countries can no longer operate independently, so they must understand each other. One effective way to do this is to create student exchanges. Students learning the wide scope of forestry now are the beneficiaries in the future.

ILLiad filling gaps in university's library holdings

By Kristy Vagts, University Relations intern

Although Virginia Tech's library is very extensive and seems to contain everything that any patron should need, there are still times when that one journal article or obscure essay is missing.

ILLiad, an acronym for InterLibrary Loan internet accessible database, fills those gaps in holdings. Using the ILLiad system and their own computers, students and faculty and staff members can request materials from libraries throughout the world.

"ILLiad makes life easier for students, and faculty and staff members," said Harry Kriz, head of the Interlibrary Loan Department in

Virginia Tech's University Libraries. "By simply filling out one form, you can track the progress of your request, know where it is, and get articles delivered right to your desktop."

About 4,400 students and faculty and staff members are registered users, and the number is growing steadily, Kriz said.

ILLiad was developed by the Interlibrary Loan Department at Virginia Tech and has been operating since March 1997. Virginia Tech Intellectual Properties, or VTIP Inc., now markets and licenses the system to other libraries. ILLiad has been adopted by Radford University and by NASA Goddard. Other schools, such as Mary Washington College and the California Institute of Technology, will be

installing the program in the next couple of weeks.

No new staff members were needed to implement ILLiad, and business for the library as a result of the new system increased about 50 percent. "This may be the only system that students at Tech use that allows them to generate their own reports about how well the library staff members are doing their job," Kriz said.

Anyone anywhere in the world can access ILLiad over the World Wide Web. Users go to the ILLiad web site at <http://www.ill.vt.edu> and establish an account.



VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

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ACTIVITIES

EVENTS

Thursday, 21

Staff Senate Meeting, noon, 1810 Litton Reaves.

Martin Luther King Program, 7 p.m., Squires Colonial Hall.

Men's Basketball, 7:30 p.m.: At Dayton.

Friday, 22

Last Day to Add.

CPAP Roundtable Discussion, 3 p.m., Thomas Conner House: "1998 in Retrospect: What Does the Impeachment of President Clinton Mean to Public Administration?"

Women's Basketball, 7 p.m., Cassell Coliseum: St. Joseph's.

Special Musical Concert, 8 p.m., Squires Studio Salon: Rebecca Orr Memorial Benefit.

Saturday, 23

Men's Basketball, 6 p.m.: At Xavier.

Sunday, 24

YMCA Hike, 1:30 p.m., parking lot 403 Washington: St. Falls Ridge.

Women's Basketball, 2 p.m., Cassell Coliseum: Temple.

Student Recital, 3 p.m., Squires Recital Salon: Elayne Williams.

Monday, 25

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

University Mall.

Faculty Development Workshop, 3-5 p.m., NMC, Newman Library: Basic Techniques with Adobe Photoshop 5.0.

VTU Program, 7:30 p.m., Burruss auditorium: "Smokey Joe's Café."

Tuesday, 26

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

Faculty Development Workshop, 10 a.m.-noon NMC, Newman Library: Introduction to Acrobat—Creating PDF files.

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

Family Support Program, noon-1 p.m., Southgate Center personnel classroom: "How Sick Is Sick? Children's Health Issues."

Wednesday, 27

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

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

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

Faculty Development Workshop, 3-5 p.m., NMC, Newman Library: Creating a Web-based Course Using WebCT—Part 1.

"With Good Reason," 7 p.m., WVTF: "String Bands in Virginia, Then and Now."

Men's Basketball, 7:30 p.m.: At UVa (Richmond

Coliseum).

Faculty Recital and Presentation, 8 p.m., Squires Recital Salon: John Husser and guest musician.

Thursday, 28

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

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

YMCA Slide Show, noon, Cranwell Center: "Shores and Coasts of the World," by Bill Hohenboken.

SEMINARS

Thursday, 21

Geological Sciences, 4 p.m., 2044 Derring: "Polarized Light Microscopy. Who Turned Off the Light?" by Don Bloss.

Monday, 25

Economics, 3:30-5 p.m., 3001 Pamplin: "Hours Constraints: Theory, Evidence and Policy Implications," by Kevin Lang, Boston U.

Thursday, 28

Geological Sciences, 4 p.m., 2044 Derring: "Sub-Crustal Seismic Structure: What Do We Know and How Do We Know It?" by Arthur Snoko.

Emory professor to discuss curbing prejudice

Theophus (Thee) Smith of Emory University will present a lecture at Virginia Tech on the role of religion in prejudice reduction.

The Religious Studies Program in the Center for Interdisciplinary Studies is sponsoring the visit. Smith's lecture on "After Violence: Futuring the End of Victimization," draws from his book-in-progress on religion and violence. The talk will be given Sunday, Jan. 31, at 7:30 p.m. in 100 McBryde; it is open to the public at no charge.

Smith is an associate professor in the Religion Department at Emory University. His book, *Conjuring Culture: Biblical Formations of Black America*, received an Award of Excellence from the American Academy of Religion. Smith is co-editor of *Curing Violence*, to which he contributed an essay on Martin Luther King Jr., and *Curing Racism*. He is at work on a second book, which applies the theoretical work of Rene Girard on the origin of violence to the practical work of ending violence.

Smith's academic training and interests span the fields of religious studies and theological studies (Christian and Jewish), African American spirituality, and religion and violence. He is also engaged in issues of multi-culturalism and the college curriculum, including a combined emphasis on black studies and Western classics. Since 1987 Smith has led numerous workshops on diversity issues.

This campus visit is supported by the Women and Minority Artists and Scholars Lecture Series, sponsored by the Religious Studies Program, and co-sponsored by Black Studies, Women's Studies, Programs in the Humanities (all within the Center for Interdisciplinary Studies), and the Women's Center and the Consortium for the Study of Theatre and Community.

For more information, call 1-6112.

Center's roundtable discussion looks at 1998

Virginia Tech's Center for Public Administration and Policy (CPAP) will hold the first in its 1999 spring semester Roundtable Discussion series Friday, Jan. 22 at 3 p.m. at the Thomas Conner House.

The topic for discussion is "1998 in Retrospect: What Does the Impeachment of President Clinton Mean to Public Administration?" Faculty members in public administration and policy will lead the discussion. All those interested are invited to participate. For more information contact CPAP at 1-5133 or visit the center's web site at www.cpap.vt.edu.

Presentation examines innovation and education

The Virginia Tech Multimedia Users Group (VTMMUG)

BULLETINS

presents: "Blending Innovations with Educational Programs" by Glenda Rose Scales and Mark Sumner Friday, Jan. 22, 2:30-4 p.m., in 1670 Litton Reaves

Desktop audio conferencing and on-line threaded discussions will be the focus of the presentation which highlights strategies used to incorporate innovation into various Extension educational programs. Scales and Sumner will do a live demonstration of Symposium (a Centra Software product) to show how this synchronous tool can be used to create an interactive learning experience. This technology can be easily adapted to such uses as virtual office hours, virtual tutoring sessions, and on-line orientation/training sessions.

Scales and Sumner will discuss video-conferencing, on-line interactive quizzing (WhizQuiz), multi-thread discussion and live chat (WebBoard), live and on-demand audio and video content over the WWW (RealMedia), and WWW publishing as ways to widely disseminate information and provide distance training. There will also be a discussion regarding how an organization was able to assemble an easy-to-use tool chest and deploy those tools in a distance learning/training environment.

Scales is an educational technology Specialist and Sumner is a media specialist.

King celebration announced

The Virginia Tech chapter of Alpha Phi Alpha, a historically black fraternity that counted Martin Luther King Jr. among its members, has organized a commemorative program on January 21 to honor the memory of the civil-rights leader.

The event begins at 7 p.m. in Squires Colonial Hall and features a talk by Basil I. Gooden, legislative fellow for U.S. Senator Charles Robb, and performances by the Enlightened Gospel Choir, Filipino-American Student Association, and the Society of Indian-American Students.

Gooden, a 1987 Virginia Tech alumnus in political science, will address an aspect of the King quote, "Our lives begin to end the day we become silent about things that matter." Each of the student organizations will perform ethnic dances.

The commemorative program, a prelude to the Black History Month celebration at Virginia Tech, is open to the public and is free. For additional information, call Richard Lambert at 552-7929.

Lecture series focuses on aging

As part of an inter-disciplinary course exploring a nursing home as "a human circumstance and place of engagement" instead of just a physical location, the Design Consortium Honor Studio faculty will sponsor a series of lectures dealing with design and aging.

The first lecture, "Being in Place," will be Thursday, Jan. 28 at 7:30 p.m. in the Wallace atrium. Graham Rowles, anthropologist, will present the lecture. He is associate director of the Sanders-Brown Center on Aging at the University of Kentucky, as well as professor of geography and behavioral science and director of the doctoral program in gerontology there. His research focuses on the experience of aging in different environmental contexts. A central theme of his work is the changing relationship between elders and their environment. He has conducted in-depth ethnographic research with elderly populations in inner-city, rural-Appalachian, and nursing-home environments.

Don Chadwick, industrial designer, will present the second lecture Thursday, Feb. 4 at 7:30 p.m. in the Donaldson Brown auditorium. His talk will be on "New Work and Some Old Work." Chadwick, a furniture designer from California and consultant designer for Herman Miller Inc., is one of the designers of the Aeran Chair. He has had exhibitions in several locations, including the Pasadena Museum of Art, the Museum of Modern Art (MoMA), and the Denver Art Museum.

The third lecture, by Sara Qualles, clinical psychologist, will be on "Independence, Dependence, or Interdependence." She will present the talk Thursday, Feb. 18 at 7:30 p.m. in the Donaldson Brown auditorium. Qualles, is chair of the psychology department at the University of Colorado and director of the Center on Aging. Her research focuses on marital and family development across the lifespan and family therapy with later-life families. She is co-author of a book called *Aging and Mental Health*.

The fourth lecture, "History of Design and My Work," will be by Eva Zeisel, industrial designer and ceramist. It will be held Wednesday, March 3, at 7:30 p.m. in the Donaldson Brown auditorium. Her lecture will also include discussion of creativity and aging. A native of Budapest who moved to the United States in 1938, Zeisel is known for her Stratoware, Utility Ware, Museum Dinner Service, and other work with Castleton China Company, Sears and Roebuck, Philip Rosenthal, and many others. She has a long history with MoMA and has an exhibition opening at the Metropolitan Museum in March 1999.

The Design Consortium, a university-wide, intra-collegiate organization of faculty members representing design programs across campus, includes the disciplines of apparel design, architecture, art and art history, industrial design, interior design, landscape architecture, and theatre arts.

For information about these lectures, call 1-2763

Women in sci-fi on exhibit

Victims Of The Vortex, Visions Of Women In Science Fiction is a new exhibit on display in the Wallace Hall Gallery,

through February 17. Curators Eric Wiedegreen (associate professor of interior design) and Eric Ackermann (Special Collections, University Libraries) have assembled examples of science-fiction magazine-cover illustrations from the late 1920s to the early 1980s that show depictions of women.

Bernice Hausman, assistant professor of English, and Martha McCaughey assistant professor of Women's Studies, have categorized and written commentary on how these illustrations perpetuate various male/female myths and stereotypes. The gallery is open from 9 a.m.-5 p.m. weekdays.

King to speak at honor-society initiation

Sigma Phi Omega, the National Honor Society for Gerontology, will be holding its initiation ceremony for Virginia Tech's Beta Sigma Chapter on January 27, from 5-7 p.m. in the Hillcrest Hall living room.

Tina King, the program director for the New River Agency on Aging, will be the guest speaker. She will be addressing the legislative agenda for the Virginia Coalition on Aging in the upcoming session of the General Assembly.

The initiation is open to the public and refreshments will

be served. For more information, call the Center for Gerontology at 1-7657.

Faculty development series announced

Beginning Monday, Jan. 25, and continuing through Thursday March 4, 27 faculty-development workshops are scheduled. Workshops range from basic scanning techniques to using geographic information systems for teaching and learning and include exotic topics like visual-data analysis of 3-D super-computing simulations, along with a non-technical session on "Writing for the Web" (3 p.m., February 3). Although the presentations are designed for instructional faculty members, all workshops are open to staff members and graduate students. Seating is limited to 20 per workshop and online registration is possible at <http://www.edtech.vt.edu/idi/workshops/workshops.html>.

Included in this spring's workshops is a February mini-series of faculty-to-faculty brown-bag roundtables on "Digital Discourse." Moderated by Len Hayfield, each roundtable will explore new dimensions in web-based instruction with a focus on interactivity, and teaching tactics. The roundtable workshops will

take place each Wednesday in February in 222 Williams, from noon-1 p.m.

Several new computer programs will be introduced during the spring workshops: "CourseInfo, ArcView, 3-D Studio Viz and Neosys Pro."

CourseInfo is a software package designed to simplify the task of authoring and delivering course materials on the Internet. A morning (10 a.m., February 23) and afternoon (3 p.m., February 17) workshop are scheduled.

ArcView is a desktop geographic information system that will run on both Macintosh and Windows machines. 3-D Studio Viz is a Windows-based visualization program for graphic designers. Neosys Pro is a visualization tool for hierarchical data files and runs on both Macintosh and Windows platforms.

Several other workshops will feature updated versions of familiar computer software, such as Adobe PhotoShop, Adobe Premier, Real Media and Apple QuickTime VR.

For additional workshop information, contact Ed McPherson, 1-8029; ejay@vt.edu or <http://www.edtech.vt.edu/idi/workshops/workshops.html>.

University schedules special events for Black History Month

By Clara Cox

Virginia Tech's celebration of Black History Month will kick off Saturday, Jan. 30, with a candlelight vigil and end on Saturday, Feb. 27, with a semi-formal dinner. Organizers have packed the month with a wide variety of events, all open to the public.

Black History Month celebrates the achievements and contributions of African-Americans. Nationally, the annual event began in 1926 when Carter Goodwin Woodson (1875-1950) introduced Negro History Month to highlight the long ignored or stolen contributions of African-Americans.

The highlight of the month-long celebration at Virginia Tech will be a keynote address by Gwendolyn Goldsby Grant, author of the best-selling book *The Best Kind of Loving*. Grant is a private consultant to Fortune 500 companies, media psychologist, sex counselor, community activist, and motivational speaker who holds two doctorates. Her presentation is scheduled at 7 p.m. on Thursday, Feb. 25, in Squires Colonial Hall. Her talk will be preceded at 4 p.m. by an informal discussion and followed at 8 p.m. by a reception, both in the Black Cultural Center in Squires.

The initial event of the celebration, the candlelight vigil, will be held in the Commonwealth Ballroom in Squires, beginning at 6 p.m. The Black Organizations Council is sponsoring the event.

Other activities that are part of Black History Month include:

February 1—The Black Graduate Student Association, the NAACP, and Phi Beta Sigma, Inc. will hold a Black History Month Quiz Bowl from 6-8 p.m. in the Old Dominion Ballroom in Squires. Following the bowl, a panel discussion will focus on "What Ever Happened to the Dream? Leadership in the Black Community." The event, sponsored by Alpha Phi Alpha, Inc., will be held at 8:30 p.m. in Colonial Hall.

February 3—The Black Student Alliance (BSA) will present a short film and discussion on "Rosa Parks: The Path to Freedom" from noon-1:30 p.m. in the Black Cultural Center. At 7:30 p.m., also in the center, Larry Bechtel will discuss "White Privilege."

February 4—The NAACP will present "A Tribute of Thanks to W.E.B. DuBois and Others" from 6-9 p.m. in the Old Dominion Ballroom. At 7 p.m. in Colonial Hall, Farai Chideya will speak on "Don't Believe the Hype." The talk is sponsored by Virginia Tech's EOAA Office.

February 6—The BSA will sponsor the movie "Slam" at 7:30 p.m. and at 10 p.m. in Haymarket Theatre in Squires.

February 10—The BSA will show a short film and hold a discussion on *Are We Different?* from noon-1:30 p.m. in the Black Cultural Center. At 7 p.m. E. Lynn Harris will speak on

"Being Gay in the Black Community." Sponsored by BSA, her talk will be held in Colonial Hall, followed by a book signing and reception in the Williamsburg Room.

February 11—Tim Wise will discuss "Who Needs Affirmative Action?" at 7 p.m. in Colonial Hall. The EOAA Office will sponsor his talk.

February 13—April Turner will lead "A Discussion and Reading of Selected Writings and Related Social Issues" at 7 p.m., Black Cultural Center.

February 15—Christiansburg Institute Alumni Association will present "Christiansburg Institute: An Educational Legacy" at 7 p.m., Black Cultural Center.

February 16—"Improvisations: A Vision of Community" will feature the Audubon Quartet, poetry by Nikki Giovanni, the paintings of Robert Henry Graham, 3-D projection by Dennis Jones, and a special guest appearance by Carol Crawford Smith at 7 p.m. in the Lyric Theatre on College Avenue. The multimedia presentation is sponsored by Interdisciplinary Studies and Multicultural Programs.

February 17—The BSA will show the short film *Two Dollars and a Dream* and lead a discussion from noon-1:30 p.m., Black Cultural Center. At 7 p.m. in the Brush Mountain Room in Squires, Mr. Tapps will be

featured in a dance and discussion sponsored by the Graduate Student Assembly and Multicultural Programs.

February 18—A discussion/forum on "The Origin of the Word 'Nigga'" will be held from 7-9 p.m., Black Cultural Center, sponsored by Kappa Alpha Psi Fraternity, Inc.

February 19—The NAACP will show the movie "San Cofa" from 6-9 p.m. in room 341-345, Squires Student Center. A bid whist, or five-card kitty, begins at 7 p.m., Black Cultural Center.

February 20—Delta Sigma Theta, Inc. will sponsor "Jump Start your Fitness" from 10 a.m.-noon in the Dance Room, War Memorial Gym.

February 22—Multicultural Programs will hold a lecture and show a film on the Black Panthers at 6:30 p.m., Black Cultural Center.

February 24—The BSA will show a short film and lead a discussion on "Uncommon Images" from noon-1:30 p.m., Black Cultural Center.

February 27—The African Student Association and the Black Graduate Student Association will host "The Ebony Affair," a semi-formal dinner, at 6:30 p.m. in Owens Banquet Hall. Ticket information is available from Leslie Glover at 552-3025.

For more information, call Kimberly Philpott at 1-3787.

Mall Closed through Friday

The mall will be closed to traffic from 4:30 p.m. until 11 p.m. through Friday, Jan. 22 to accommodate Panhellenic Rush week.

From 4:30 p.m. until 11 p.m., several Blacksburg Transit buses will park on the Squires Student Center side of the University Mall to transport rush-week participants to various on-and off-campus locations. The Mall is closed to allow safe access for buses and pedestrians during Panhellenic Rush week. Please use alternate routes to enter and exit campus during this time.

For more information, call Parking Services at 1-3200.

Community Design Assistance Center celebrates tenth anniversary

By Sandy Broughton

Marking its tenth anniversary, and with an impressive list of accomplishments throughout Virginia, the Community Design Assistance Center at Virginia Tech (CDAC) is looking forward to its second decade of working with communities to improve their quality of life by providing planning and design services.

To celebrate its tenth anniversary, CDAC will host two days of events January 28 and 29. On Thursday, Jan. 28 at 2:15 p.m. in Hancock Hall auditorium, Frank Russell, director of the Design Center at the University of Cincinnati, will speak on "The Community Design Center as a Locus for the Interdisciplinary Work in Comprehensive Community Development." His presentation will be followed at 4 p.m. with a tenth-anniversary reception in Cowgill Hall gallery.

At 7 p.m. in the Donaldson Brown main auditorium, there will be a panel discussion on "Community Design Assistance: The Role of Design

Centers in the Regions they Serve," which will include models for community-based planning and design. Diane Zahm, faculty member in the department of Urban Affairs and Planning, will moderate the discussion. Panelists will include Virginia Tech CDAC director Lee Skabelund; Shannon Criss, director of the Small Town Center at Mississippi State; Margarita Hill of the University of Maryland and project advisor with the Baltimore Neighborhood Design Center; and Frank Russell, director of the Design Center at the University of Cincinnati. Discussants will also include Michael Chandler, Extension Specialist for Planning and Economic Development at Virginia Tech, and Harry Gleason, Downtown Revitalization Program Manager with the Town of Buchanan.

On Friday, Jan. 29, the events will continue at 3:30 p.m. in the Donaldson Brown main auditorium with a lecture by Criss on "Unexpected Gifts: Discovering Architecture and Artifacts in Rural Mississippi." The events are free and

open to the public.

CDAC, housed within the College of Architecture and Urban Studies at Virginia Tech, was established in 1988 with a grant from the U.S. Department of Education. Staffed by students and faculty members from throughout the college, CDAC offers planning and design assistance to communities in Virginia and nearby states. Projects have included main-street revitalizations, facility space planning and architectural design guidance, landscape design, environmental assessments, and park planning.

"CDAC will continue to engage faculty members and students in creative and interdisciplinary learning, research, and outreach—in ways that truly make a difference for people and landscapes throughout the commonwealth, the U.S., and the world," Skabelund said. "I invite faculty members and students who desire to work with communities to join us."

Skabelund, a professor in the Department (See COMMUNITY on 8)

EMPLOYMENT

CLASSIFIED POSITIONS

The employment listing can be found in greater detail on the Personnel Services homepage at <http://www.ps.vt.edu>. For position-availability information, please call the following Job-Line numbers: Office/Clerical: 1-6196; Technical/Research: 1-6160; Service/Trades: 1-6176; Professional/Managers: 1-4649; Information Technology: 1-2233. Persons with hearing impairments may call for TDD information at 1-6258.

Accountant Senior (2547P) Controller's. Normal Starting Pay: \$29,738 (Grade 11). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Agricultural Supervisor (3258M) Animal and Poultry Sciences. Normal Starting Pay: \$20,823 (Grade 7). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Animal Care Technician B (W020556M) Veterinary Medicine Experiment Station/College of Veterinary Medicine. Normal Starting Pay: \$8.38 (Grade 5). PT. Application deadline: Jan. 22.

Computer Systems Engineer (1894T) Computer Science. Normal Starting Pay: \$38,851 (Grade 14). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Computer Systems Engineer (6917D) Administrative Information Systems. Normal Starting Pay: \$38,851 (Grade 14). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Computer Systems Engineer (7414D) Communications Network Services. Normal Starting Pay: \$38,851 (Grade 14). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Electronic Technician Senior (2437T) Physics. Normal Starting Pay: \$27,204 (Grade 10). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Executive Secretary (2226D) University Development. Normal Starting Pay: \$19,048 (Grade 6). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Executive Secretary Senior (7416T) Vice Provost for Outreach. Normal Starting Pay: \$20,823 (Grade 7). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 29.

Fiscal Assistant (2224H) Residential and Dining Programs/Business Services. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Fiscal Assistant (11P) Controller's Office. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Fiscal Technician (W022571C) Scholarships & Financial Aid. Normal Starting Pay: \$9.16 (Grade 6). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Fiscal Technician (7035P) Office of University Bursar. Normal Starting Pay: \$19,048 (Grade 6). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Food Operations Assistant A (W022314H) Residential and Dining Programs. Normal Starting Pay: \$6.41 (Grade 1). PT. Varied. Application deadline: OUF.

Food Operations Assistant B (W022315H) Residential and Dining Programs. Normal Starting Pay: \$7.01 (Grade 2). PT. Varied. Application deadline: OUF.

Food Operations Assistant B (2986H) Residential and Dining Programs/ Southgate Bakeshop. Normal Starting Pay: \$13,338 (Grade 2). FT. Varied. Application deadline: OUF.

Food Operations Assistant B (392H) Residential and Dining Programs/Dietrick Dining Hall. Normal Starting Pay: \$10,003 (Grade 2). FT. p.m. Shift, 11 am-8 pm. Varies. Application deadline: OUF.

Food Operations Assistant B (W022562H) Residential and Dining Programs/Personal Touch Catering. Normal Starting Pay: \$7.01 (Grade 2). PT. Varies. Application deadline: OUF.

Food Operations Assistant B (W022552H) Residential and Dining Programs/Cochrane Dining Center. Normal Starting Pay: \$7.01 (Grade 2). PT. Monday-Friday. Varied. Application deadline: OUF.

Food Operations Assistant (2927H) Residential and Dining Programs/Shultz Dining Hall. Normal Starting Pay: \$13,338 (Grade 2). FT. Varies. Application deadline: OUF.

Food Operations Manager A (478H) Residential and Dining Programs/Personal Touch Catering. Normal Starting Pay: \$22,763 (Grade 8). FT. Monday-Friday 8 a.m. to 5 p.m. Application deadline: OUF.

Food Operations Manager A (7266H) Residential and Dining Programs/Dietrick Dining Hall. Normal Starting Pay: \$22,763 (Grade 8). FT. Varied. Application deadline: OUF.

Food Production Worker A (W022480H) Residential and Dining Programs/Owens Dining Center. Normal Starting Pay: \$7.66 (Grade 3). FT. Varied. Application deadline: OUF.

Graphic Artist (W020567H) Residential and Dining Programs. Normal Starting Pay: \$9.79 (Grade 7). PT. Monday-Friday 8 a.m. to 5 p.m. Application deadline: OUF.

Housekeeping Supervisor Senior (2702H) Residential and Dining Programs. Normal Starting Pay: \$19,048 (Grade 6). FT. Monday-Friday 7:30 a.m.-4:30 p.m. Application deadline: OUF.

Housekeeping Worker (W022490H) Residential and Dining Programs. Normal Starting Pay: \$5.87 (Grade 1). PT. Monday-Friday 7:30 a.m.-4:30 p.m. Application deadline: OUF.

Housekeeping Worker (7262M) Recreational Sports. Normal Starting Pay: \$12,201 (Grade 1). FT. 5 a.m.-1:30 p.m. Application deadline: OUF.

Housekeeping Worker (721H) Residential and Dining Programs. Normal Starting Pay: \$12,201 (Grade 1). FT. Monday-Friday 7:30 a.m.-4:30 p.m. Application deadline: OUF.

Housekeeping Worker (W020214G) Schiffert Health Center. Normal Starting Pay: \$5.87 (Grade 1). PT. 7 a.m.-4 p.m., Monday-Friday. Application deadline: Jan. 29.

Installation and Repair Tech Senior (7288D) Video/Broadcast Services. Normal Starting Pay: \$26,604 (Grade 10). FT. Varied Application deadline: OUF.

Installation and Repair Technician (7305M) College of Veterinary Medicine. Normal Starting Pay: \$22,763 (Grade 8). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Instructional Technology Systems Manager (2122D) Educational Technologies. Normal Starting Pay: \$46,429 (Grade 16). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Lab Specialist (7280M) Biochemistry. Normal Starting Pay: \$22,763 (Grade 8). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Laboratory Specialist Advanced (6375M) Food Science and Technology. Normal Starting Pay: \$29,083 (Grade 11). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Laboratory Specialist (W020041T) Environmental Health and Safety Services. Normal Starting Pay: \$10.94 (Grade 8). PT. TBD Ends June 30, 1999. Application deadline: OUF.

Laboratory Specialist Senior (2756T) Environmental Health and Safety Services. Normal Starting Pay: \$24,885 (Grade 9). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Laboratory Technician Senior (7415M) Veterinary Medicine Experiment Station. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Mason/Plasterer (833P) Physical Plant. Normal Starting Pay: \$20,823 (eff. 11/25/98) (Grade 7). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Occupational Safety Compliance Officer (6571T) Environmental Health and Safety Services. Normal Starting Pay: \$27,204 (Grade 10). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Office Services Aide/Office Assistant (W022561H) Residential and Dining Programs/Owens Dining Center. Normal Starting Pay: \$7.01 (Grade 2). PT. 3-9:30 p.m., Varies. Application deadline: OUF.

Office Services Assistant (W022596H) Residential and Dining Programs/Facilities and Services. Normal Starting Pay: \$7.66 per hour (Grade 4). PT. Monday-Friday 8 a.m. to 3 p.m. Application deadline: OUF.

Office Services Assistant (W022275G) Schiffert Health Center. Normal Starting Pay: \$7.66 (Grade 4). PT. 20 hours/week. Application deadline: Jan. 22.

Office Services Specialist (2237H) Residential and Dining Programs/Residence Education. Normal Starting Pay: \$17,041 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Office Services Specialist (W022170M) Veterinary Teaching Hospital. Normal Starting Pay: \$8.49 (Grade 5). PT. Monday-Friday, Saturday. Application deadline: Jan. 22.

Office Services Specialist (W022560M) College of Veterinary Medicine. Normal Starting Pay: \$8.49 (Grade 5). PT. TBA. Application deadline: OUF.

Office Services Specialist (6900M) Crop and Soil Environmental Science. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Renewed yearly. Application deadline: OUF.

Office Services Specialist (W020038D) Alumni Relations. Normal Starting Pay: \$8.38 (Grade 5). PT. 8 a.m.-1 p.m. Monday-Friday. Varies. Application deadline: Jan. 22.

Office Services Specialist (2583T) Center for Interdisciplinary Studies. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Office Services Assistant (W022583G) Continuing Education. Normal Starting Pay: \$7.66 (Grade 4). PT. Varies. Application deadline: Jan. 22.

Program Support Technician Senior (W022294D) Administrative Information Systems. Normal Starting Pay: \$9.79 (Grade 7). PT. Monday-Friday, between 8 a.m.-5 p.m. Application deadline: OUF.

Program Support Technician Senior (W022069D) Administrative Information Systems. Normal Starting Pay: \$9.79 (Grade 7). PT. Application deadline: OUF.

Programmer (7405D) Administrative Information Systems. Normal Starting Pay: \$27,204 (Grade 10). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Programmer (W022504D) Communications Network Services. Normal Starting Pay: \$13.08 (Grade 10). PT. TBA. Application deadline: OUF.

Programmer (W022590) Communications Network Services. Normal Starting Pay: \$13.08 (Grade 10). PT. Monday-Friday 10 a.m.-5 p.m. Application deadline: Jan. 22.

Programmer Analyst (6640D) Communication Network Services. Normal Starting Pay: \$32,510 (Grade 12). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Programmer/Analyst (7246D) Information Systems. Normal Starting Pay: \$32,510 (Grade 12). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: OUF.

Programmer (1162D) Bursar's Office. Normal Starting Pay: \$25,582 (Grade 10). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 22.

Secretary Senior (4557G) College of Forestry and Wildlife Resources. Normal Starting Pay: \$8,712 (Grade 5). PT. Flexible. Application deadline: Jan. 22.

Systems Administrator (758G) Career Services. Normal Starting Pay: \$27,204 (Grade 10). FT. Monday-Friday 8 a.m.-5 p.m. Application deadline: Jan. 29.

University Employees Only

Food Operations Assistant B (385H) Residential and Dining Programs/Dietrick Dining Hall. Normal Starting Pay: \$13,338 (Grade 2). FT. Variable, 11 a.m.-8 p.m. shift. Application deadline: OUF.

Food Operations Assistant B (375H) Residential and Dining Programs/Dietrick Dining Hall. Normal Starting Pay: \$13,338 (Grade 2). FT. Variable, 6 a.m.-2:30 p.m. shift. Application deadline: OUF.

Off-Campus Positions

Agricultural Technician B (3121M) Eastern Virginia Agricultural Research and Extension Center. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday; irregular. Apply to: Bob Pitman Eastern Virginia Agricultural Research & Extension Center P.O. Box 338 Rt. 690 Warsaw, VA 22572 Application deadline: Jan. 29.

Distance Learning Specialist (7410D) Office of Distance Education. Normal Starting Pay: \$35,539

(See EMPLOYMENT on 7)

EMPLOYMENT*Continued from 6*

(Grade 12). FT. Monday-Friday 8 a.m.-5 p.m., Will vary. Position at Northern Va. Center. 7054 Haycock Rd., Falls Church. Applications to Personnel Services, Southgate Center, Blacksburg, VA 24061. Application deadline: OUF.

Fiscal Technician (7407M) Virginia Cooperative Extension-Smith Mountain Lake 4-H Educational Center. Normal Starting Pay: \$19,048 (Grade 6). FT. Mon-

day-Friday 8 a.m.-5 p.m. Apply to Deanna Harris Smith Mountain Lake 4-H Educational Center 775 Hermitage Rd. Wirtz, VA 24184 Application deadline: Jan. 22.

Office Services Specialist (1895D) University Relations, WVTF Radio. Normal Starting Pay: \$17,424 (Grade 5). FT. Monday-Friday 8 a.m.-5 p.m. Application to Donna Spitler, Office Manager, WVTF Radio, 4235 Electric Rd. SW, Ste. 105, Roanoke, VA 24014. Application deadline: Jan. 29.

Secretary Senior (7411J) Northern Virginia Center.

Normal Starting Pay: \$10,412 (Grade 5). PT. Application and resume to April Belk, Northern Virginia Center, 7054 Haycock Rd, Falls Church, VA 22043 Application deadline: OUF.

Office Services Specialist (4125M) Virginia Cooperative Extension Agricultural Research Extension Center. Normal Starting Pay: \$17,424 (Grade 5). PT. TBA. Apply to Henry Wilson Eastern Shore AREC 33446 Research Drive Painter, VA 23420 Application deadline: Jan. 22.

INSTRUCTIONAL**Department of Large Animal Clinical Sciences.**

Clinical Instructor of Large Animal Surgery. Requirements: DVM or equivalent degree. Certification by the American College of Veterinary Surgeons will be given preference. However, candidates eligible for certification examination by this specialty board will also be considered. Clinical teaching experience is highly desirable. Practice experience is highly desirable. Salary is negotiable. Responsibilities and duties: participate in the instructional programs of the College of Veterinary Medicine, specifically in didactic (limited) and clinical instruction in large-animal surgery and related disciplines. Participate in the large-animal surgery service of the Veterinary Teaching Hospital, including patient management and consultation with clients and referring veterinarians. Cooperate with other clinical faculty members in the hospital practice. Share emergency duty with other clinicians of the Surgery Section. Participate in continuing education and public relations programs of the College of Veterinary Medicine. The successful applicant should expect to assume the position July 1, 1999 or as soon thereafter as possible. To receive full consideration, applications should be received by March 15. Send application, including a letter of intent with a statement of professional goals, a curriculum vitae, and names and addresses of three references to Craig D. Thatcher, Head, Department of Large Animal Clinical Sciences, Virginia-Maryland Regional College of Veterinary Medicine (0442), Virginia Tech, Blacksburg VA 24061.

NON-INSTRUCTIONAL

Virginia Cooperative Extension. Extension Agent, Environmental Horticulture (re-advertisement). Virginia Cooperative Extension is seeking applications for the extension agent position listed below. The successful candidate will be lecturer rank, non-tenure-track, professional faculty. Agriculture and natural resource agent positions have area responsibilities in their program specialty. Salary is commensurate with qualifications and experience. **Extension Agent, Agriculture and Natural Resources**, FA759, Environmental Horticulture, Stafford County. The position requires a basic knowledge of environmental issues, installation, maintenance and propagation of turf grass, woody ornamentals, interior plants, vegetables, fruits, annuals, perennials; plant pathology, physiology, and weed science; pesticides, integrated pest management, plant diagnostics, and pest identification; soils, water and nutrient management; economics and marketing; collaboration with volunteers in Planning District 16, including counties of Stafford, Spotsylvania, King George, Caroline, and city of Fredericksburg. Responsibilities: Agents must determine program needs by monitoring trends and issues, involving Extension leadership councils and advisory committees; design programs to meet needs of target audiences, specify program goals and objectives, and identify resources; inform clientele of program activities; use appropriate technologies to plan and deliver programs through workshops, seminars, conferences, one-on-one visits, field trips and tours; maintain knowledge of current research information; develop computer applications; develop and

FACULTY POSITIONS

implement evaluation plans; recruit, train, and use volunteers, enabling them to plan, conduct, evaluate, and report educational activities; provide educational leadership, informational assistance, and serve in advisory capacity to Master Gardener volunteers, urban gardeners, and homeowners relative to the horticultural needs of the county or city, including environmentally-sound pest and nutrient management; and report results. Qualifications: Master's degree required or imminent; one or more degrees in related discipline preferred. Current Virginia Cooperative Extension faculty members with bachelor's degree may be considered based on specialty, expertise, and performance. Ability to communicate effectively, orally and in writing; ability to recruit, train, and manage volunteers; experience in relating with people. Experience in planning, implementing, marketing, and evaluating educational programs in a related area preferred. Computer/computer software knowledge desired. To apply: Submit a letter of intent, a complete resume, official undergraduate and graduate transcripts (copies are acceptable), and three letters of reference. Internal applicants may submit a letter of application, a copy of the most recent faculty report, and three letters of reference. Applications review begins February 5, and continues until positions are filled. Send to: Barbara Gillespie, Virginia Cooperative Extension, 122 Hutcheson Hall (0437), Virginia Tech, Blacksburg VA 24061. Inquiries will be received at 1-7619; TDD user: 1-800-828-1120; fax: 1-5545; e-mail: barbarag@vt.edu.

Fish and Wildlife Information Exchange, Department Of Fisheries and Wildlife Sciences. GIS Coordinator. Geographic Information Systems (GIS) coordinator at Ft. Pickett. Duties: 1) Support the military training missions at Ft. Pickett through the development of maps and other geospatial data for natural resource and training management. 2) Administer, implement, and conduct the GIS program at Ft. Pickett, to include administering both Windows NT and Unix-based computers, data acquisition, management, analysis, and reporting of results. 3) Interact with support staff at Virginia Tech, soldiers, co-workers, the public, and other technical experts from the state and federal government to accomplish all tasks. Responsibilities: 1) Administer Sun workstation and Windows NT computers and peripherals, such as: digitizer, laser printer, plotter, tape drive, monitor, GPS units, and base station. 2) Develop GIS layers based on digital data, field data, GPS data, satellite images, digital ortho-photography, manual digitizing, and existing data layers. 3) Design and complete annual Integrated Training Area Management projects relating to GIS and natural resources. 4) Produce meta-data for all spatial-data layers. 5) Process raw GPS data for use in the GIS system. 6) Perform analysis on digital spatial data to produce cartographic output, databases, reports, and other applications to support military training and natural resource management decisions. 7) Serve as cartographer for Ft. Pickett. Requirements: 1) Bachelor's degree in biology, natural resources, geography, or related field. 2) Experience and/or training in development of GIS for natural resource or other large-area applications. 3) Experience operating Arc/View software. Experience operating ARC/INFO for Windows NT and Unix is highly desirable. Ability to troubleshoot Windows-based computers is also desirable. 4)

Experience with GPS is highly desirable. 5) Understanding of issues related to natural resources is desirable. 6) Must be willing to work with the military in a rural setting. 7) Willingness to travel as needed. 8) Other duties as assigned. Salary is \$28,000/year and includes full state benefits. The position is guaranteed for one year and may be renewed annually contingent on the availability of funding. Send resume, cover letter, and three references to Jeff Waldon, Project Leader, Fish and Wildlife Information Exchange (0534), Dept. of Fisheries and Wildlife Sciences, Virginia Tech, Blacksburg VA 24061. Phone: 1-7348; fax: 1-7019; e-mail: fwixchg@vt.edu.

Center for Transportation Research. Electrical Engineer (re-advertisement). The center seeks to fill an opening for a research associate with an extensive background in electrical engineering. The successful candidate will be a U.S. citizen and possess a degree in electrical engineering, electronics, or a closely related field, and have at least five years experience. Candidates must possess the ability to implement a project from start to finish, and have a demonstrated ability for independent and innovative design and problem solving. Strong computer software skills are required. Position will involve electronic and mechanical prototype design and fabrication. A strong background in vehicle instrumentation and data collection is highly desirable, as is experience in or familiarity with transportation research. Preference will be given to candidates who have shown ingenuity and creativity in previous work. This position is grant-funded for one year and is renewable yearly based upon the availability of funding and performance. Applicants should send resumes and cover letters to Tracey Schroeder, Assistant Director, Center for Transportation Research (0536), 1700 Kraft Drive, Suite 2000, Blacksburg VA 24061, or e-mail to resumes@ctr.vt.edu by the application deadline of April 9, 1999.

Center for Transportation Research. Software Engineer (re-advertisement). The center is currently accepting applications for a research associate position in software engineering. Qualified applicants for this position must be U.S. citizens; hold a bachelor's degree, or higher, in computer science, computer engineering, or a closely related field; and have at least three years minimum experience programming with C/C++, Visual Basic and other serial programming techniques. The successful candidate will have experience working with SGI, GUI, machine vision, real-time digital video, and hardware interfacing. A strong background in network, Ethernet and fiber-optics experience is highly desirable, as is experience in or familiarity with transportation research. Duties will include developing a control system and user-interface technology for various research applications in the center's new state-of-the-art research facility located in Blacksburg. This position is grant-funded for one year and is renewable annually based upon performance and the availability of funding. Applicants should send resumes and cover letters to Tracey Schroeder, Assistant Director, Center for Transportation Research (0536), 1700 Kraft Drive, Suite 2000, Blacksburg VA 24061, or e-mail to resumes@ctr.vt.edu by the application deadline of April 9.

INTERNATIONAL*Continued from 1*

Office of International Programs (UOIP), observed, "We often see representatives of international universities visiting here for that purpose; and, we were frustrated that we couldn't reciprocate by visiting their institutions to meet faculty groups and become acquainted with the work of their departments. The expanded ITSG program offers great new flexibility."

Recent ITSG recipients are Suret Thanjitam, associate professor of engineering science and mechanics, who met with Ministry of Education officials in Thailand about Thai scholarship students completing degrees at Virginia Tech, and Josiah Tlou, associate professor in teaching and learning, who traveled to the

Malawi Institute of Education and Domasi College of Education to develop a teaching, research, and Extension exchange program with Virginia Tech's College of Human Resources and Education.

Applications for ITSG funding can be submitted at any time. Guidelines are available at <http://www.rgs.vt.edu/funding/rgs/ITSGguide.html>.

In addition to the RGS program, UOIP and the Center for Excellence in Undergraduate Teaching (CEUT) jointly provide support to faculty members for international work through two programs.

Gray announced that the International Faculty Fellows pilot program has received \$30,000 from the provost for a second pilot year.

Provost Peggy Meszaros said "In review-

ing the results of the first-year pilot, we were pleased to see that this central fund was instrumental in leveraging departmental support. The second pilot phase will continue to ask for a departmental contribution toward this program which increases international content in the curriculum."

The aim of the International Faculty Fellows program is to allow faculty members to gain international experience through teaching and curriculum-development activities that will contribute to international education at the university.

The proposal deadline for the second round of awards will be announced within the next few weeks, Gray said.

UOIP and the CEUT also administer the International Minigrant Awards, which offers

grants of up to \$1,500 to assist faculty members in "developing, implementing, and infusing their courses with substantive international content." Recipients were announced in the January 14 issue of *Spectrum* for proposals submitted in early fall.

While the ITSG program's focus is on expanding international research and graduate study opportunities, and the International Faculty Fellows and the International Minigrant Awards program focus on internationalizing the curriculum, all of the programs support Academic Agenda Strategic Direction 3.5 to "Internationalize the University Experience," Brown said.

"Lyn and I look forward to working together in managing and promoting these complementary opportunities," he said.

John M. Barringer, 89

John M. Barringer Jr., 89, professor emeritus of management and former mayor of Blacksburg, died Saturday, Jan. 9, at Montgomery Regional Hospital.

Barringer earned a B.S. and an M.S. at the University of Virginia. He did additional graduate work and taught at George Washington University and the University of Chicago. He taught at Virginia Tech from 1937 to 1979. In addition to teaching, he was director of placement and advisor to civilian students (most students were in the Corps of Cadets at the time).

Barringer participated in many continuing-education programs on and off campus. A recipient of the Wine Award for teaching excellence, he taught labor and personnel relations and published several articles in labor law.

Barringer served as mayor of Blacksburg for 35 years, longer than anyone else in the town's history. He was chairman of the Executive Committee of the Board of Directors at the National Bank of Blacksburg.

Architecture professors receive recognition

By Sandy Broughton

Virginia Tech architecture professors Robert and Donna Dunay have received a 1998 Award for Excellence in Architecture from the Virginia Society of the American Institute of Architects (VSAIA).

The Dunays were honored for Pair/Pear Hall, an addition for two children in a Blacksburg residence that includes a sitting and play area on the lower floor and two bedrooms and bath above, set in a detached structure with a connection to the main house. Jurors for the awards remarked especially on the Dunays' use of common materials in innovative ways. "It's so beautifully detailed and so beautifully handled that it elevates these common materials into quite wonderful modern sculpture," they said. One of eight built works selected by the VSAIA from 104 submissions, the project represents the best work in Virginia and earned the highest

award an architect can receive for practice in a given year.

The VSAIA Award for Excellence caps a year in which the Dunays received several noted recognitions. Their work was featured in *Graphics Product Design 2*, a book comprised of the best in international product design. Top designers from throughout the world are represented in the 300 product designs depicted, which were selected from more than 2,700 submissions. The Dunays' work titled "Spiral," a series of timepieces, was selected for setting the highest standards of aesthetic appeal and for attention to form and function.

Another of the Dunays' work titled, "Renovation and Responsibility," was selected as best residential design in southwest Virginia in the *Roanoker* magazine design competition. Additionally, Robert Dunay's exhibit titled

"Ordinary: A Case Study of the Obvious" was featured in an article called "If the Shoe Fits" in *Inform* magazine, one of the premier publications of architecture, design, and preservation. Through a series of large format, high-resolution photographs of athletic shoes, the exhibit examines hidden topographies of delight manifest in an object comprising a universal apparel—the sneaker.

Robert Dunay holds the T.A. Carter endowed professorship in the College of Architecture and Urban Studies at Virginia Tech and is associate dean and director of the Industrial Design Program. Donna Dunay is a professor and chair of the International Archive of Women in Architecture.

COMMUNITY

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of Landscape Architecture added, "As a land-grant institution we have an obligation to actively reach out to communities and to share the knowledge and expertise contained within the university. Additionally, we must remain committed to the value of strengthening communities and of teaching our students the importance of contributing to the local communities they will work within."

In its 10-year history, CDAC has provided services to schools, churches, towns, businesses, and civic organizations in nearly every location in Southwest Virginia and in several locations across the state. In Bland, CDAC faculty members and students were instrumental in developing the conceptual design for the Wolf Creek Indian Village and Museum. George Schaefer, director of the museum said the CDAC proposal "gave our project credibility and a level of professionalism that in turn persuaded the local government, local lending institutions, and local businesses to invest in our project. In short, CDAC allowed our community to take an idea, with little or no money, and provided us with the necessary tools to raise the funds to turn our idea into reality."

CDAC's recent projects include preparing a conceptual master plan for Wildwood Park in Radford; restoration and preservation of Shirley Plantation; master planning and electronic networking for the Jackson Ward area in Richmond; model conservation subdivision planning and design for Manassas; environmental assessment, planning, and a land-management system for the New River Parkway West Virginia; and conceptual design for a facility for the Saint Francis of Assisi Service Dog Foundation. Information on CDAC projects is available at <http://www.lar.arch.vt.edu/program/CDAC.MAIN.HTML>.

Also in development is *Streetscapes of Virginia*, a guide to reviving the visual and economic vitality of downtown areas. It includes general design guidelines, examples of successful main streets, information about the revitalization process, and funding sources and strategies. *Streetscapes of Virginia* will be available in both hard copy and as a web-based document. It is one of several interactive, on-

line projects which have broadened access to CDAC.

"CDAC is a shining example of the intent of a land-grant university," said Paul Knox, dean of the College of Architecture and Urban Studies and university distinguished professor. "By engaging more communities across the state via on-line resources, CDAC will be an integral part of Virginia Tech as the premier land-grant university of the 21st century."

As important as improvement to communities is the experience students gain in working with individuals, groups, and agencies on "real-world" projects. Tenda Leavitt worked with CDAC as a graduate assistant, project manager, and grant writer from 1995 to 1996. "The work I did at CDAC was my central experience in the practice of landscape architecture, and was a key reason I was hired as an assistant professor of landscape architecture at Oklahoma State University," Leavitt said. "I was able to work on real-world projects, present review boards to clients, prepare budgets, coordinate student and client work and meetings, and participate in grant preparation and writing. The experience I was afforded at CDAC was exceptional and instrumental in taking theory of graduate curriculum and applying it to real-world issues. While there, I developed a keen interest in community-based design, student involvement in community service, and physical improve-

ment of public spaces—all from a pro-active, empowering perspective. These interests were woven into courses I taught this fall in the Department of Landscape Architecture at Virginia Tech."

In 1998 CDAC was one of 28 of the hundreds of such centers in the U.S. to receive a Certificate of Environmental Achievement from the National Awards Council for Environmental Sustainability. Criteria for selection included program effectiveness, natural-resource conservation, economic progress, and human development. CDAC was also recognized as an outstanding program in the Environmental Success Index, which is a guide for government agencies, companies, environmental organizations, and civic groups seeking to improve their communities.

"During the past 10 years the Community Design Assistance Center has seen some of its conceptual planning and design efforts translate into additional work for the private sector, as well as successfully being used by communities to obtain funding for other plans, designs, and for implementation," Skabelund said. "In essence, by providing communities and community groups and citizens with a better understanding of the planning and design process, the Community Design Assistance Center opens the door for further activity in areas where this otherwise might not happen."

ADMINISTRATIVE

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the information and the technologies that are critical to being a leading land-grant university of the 21st century."

Blythe also announced plans to further restructure Information Systems. Richard Alvarez, administrative information systems director, has been assigned to work with Blythe in developing the internal restructuring plan. Alvarez will continue in his current responsibilities in directing the implementation of new administrative computing systems and coordinating the university's Y2K effort.

President Paul Torgersen applauded both the new reporting structure and the planned internal re-organization for Information Systems. "The primary goal of the restructuring is to address the exploding demand for technology support that is being experienced campus-wide in the face of accelerated technological change. Because of the scarcity of additional resources to address this growing demand, the restructuring will also focus on optimizing the use of existing resources, both through the development of economies of scale and through the strategic integration of campus-wide technology solutions."

NEWMAN

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heartfelt contribution," Hamilton said. The class received an honorary plaque from the university.

The renovation included the addition of a new service desk, allowing the staff to expand basic services. Other additions included teak benches, rocking chairs, area rugs, plants, and 30 additional computers. The renovation also provides patrons with high-speed Ethernet access to operate their own laptop computers.

"Virginia Tech students and other library patrons now have access to more resources in the library lobby, and, at the same time, a comfortable atmosphere," Hamilton said.

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