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Leadership center wins Innovation Award

By Sookhan Ho

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The interdisciplinary Center for Leadership Studies is based in the Pamplin College of Business and directed by Dean Richard E. Sorensen, who accepted the award at the SBAA conference luncheon in Nashville on November 6. “We’re delighted to be recognized for our interdisciplinary leadership-development efforts,” Sorensen said.

The center was established in December 1998 “to develop the leadership skills among students and to share resources and coordinate activities concerning leadership development on campus.”

Leadership programs are offered by the Pamplin College of Business, the Virginia Tech Corps of Cadets, the Women’s Leadership Program, the Center for Interdisciplinary Studies, and the Division of Student Affairs. The programs include four academic minors, talks featuring nationally known speakers from the academic, government, and business communities, workshops and conferences, and a residential learning community.

The center has raised more than $400,000 to support a scholarship, an endowed pro-

Grad student’s research published in Science

By Susan Trulove

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The research by geological sciences Ph.D. student Kevin J. Davis and geochemist Patricia M. Dove, both of Virginia Tech, and crystal-growth physicist James J. De Yoreo of Lawrence Livermore National Laboratory was scheduled to be published in Science on Friday, Nov. 10 (“The Role of Mg2+ as an Impurity in Calcite Growth”).

The calcium-carbonate bio-minerals that are produced by ocean creatures to fulfill biological needs eventually settle to the bottom of the ocean to form much of the sea-floor sediment. The process of crystalizing ions from the seawater to form the minerals in shells removes carbon dioxide (CO2) from the atmosphere, which is a greenhouse gas thought to cause global warming.

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Marching Virginians will play for food

By Kyle Combs, University Relations intern

The Marching Virginians will play for food before the Virginia Tech-University of Virginia football game on November 25.

The Virginia Tech band’s annual service project is a canned-food drive called “Hokies for the Hungry.” Band members will split up and play their instruments for tailgaters who donate cans of food, cash, and checks. All the cans and money collected will go to the Montgomery County Christmas Store, which allows low-income families to choose from donated items to give them a good Christmas. In 1999, the band collected about 3,000 cans and $1,500. The band’s goal this year is to collect 55,000 cans—a can for every person at the game.

“It’s a great community-minded project for everyone involved. Every can and dollar we collect goes to a terrific program,” said David McKee, a band instructor.

This will be the fourth year for the food drive. The idea for the drive came from a proposal for a service project by candidates for membership in the Virginia Tech chapter of Tau Beta Sigma, the national honorary band.
EMPLOYMENT

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 web each week beginning on Wednesday. For information on all job listings, call 1-5300. Some of the following positions include state benefits. Positions with numbers beginning with a "W" are hourly and do not include state benefits. Individuals with disabilities desiring assistance or accommodations in the application process should call by the application deadline. Closing date for advertised positions is one p.m. Monday. An EO/A employer committed to diversity.

FULL TIME
Academic Certification Specialist, 000044R, Pay Band 3, University Registrar.
Accounting Associate, 000160H, Pay Band 3, RDP/Business Services.
Administrative/Research Assistant, 007637T, Pay Band 4, ECE.
Administrative Assistant, 002811R, Pay Band 3, Executive Vice President.
Administrative Assistant, 007693R, Pay Band 3, Student Development.
Administrative Assistant, 00651L, Pay Band 3, University Development.
Admissions Plans/Clearances Team Member, 001534R, Pay Band 3, Graduate School.
Animal Care Supervisor, 006998J, Pay Band 4, Veterinary Teaching Hospital.
Animal Care Technician, 002281T, Pay Band 3, Biology.
Animal Care Technician, 002617M, Pay Band 2, Veterinary Teaching Hospital.
Animal Care Technician, 007617M, Pay Band 2, Veterinary Medicine Experiment Station.
Assistant Manager, 005522H, Pay Band 3, RDP/Dietrick Express.
Banquet Manager (Food Operations Manager Assistant), 001118G, Pay Band 3, DBHCC.
Buyer Specialist, 003430T, Pay Band 4, Purchasing.
Computer Systems Engineer, 006991J, Pay Band 5, RGS.

Computer Systems Engineer, 00180T, Pay Band 5, CS.
Computer Systems Engineer, 007691T, Pay Band 5, ECE.
Computer Systems Engineer, 001847T, Pay Band 5, CS.
Database And Application Development Specialist, 007220R, Pay Band 5, RGS.
Development Associate for Student Calling Program, 007628L, Pay Band 3, University Development.
Director, Gift Accounting/Consortium Record Management, 001540L, Pay Band 5, University Development.
Editor, Virginia Tech Magazine, 000654L, Pay Band 5, University Relations/Outreach Communications.
Editor/Communications Coordinator, 007681G, Pay Band 5, OIRD.
Electrician, 007965G, Pay Band 3, Physical Plant.
Electronics Technician, 007656J, Pay Band 4, VTI. 
Executive Chef, 000266H, Pay Band 4, RDP/Shuttle Dining Center.
Executive Secretary Senior, 002428M, Pay Band 4, FS.
Food service positions available.
Housekeeping Supervisor, 000834H, Pay Band 2, RDP.
Housekeeper Worker, 000205C, Pay Band 1, DBHCC.
Housekeeper Worker, 001631G, Pay Band 1, DBHCC.
Housekeeper Worker Senior, 002745H, Pay Band 1, RDP.
Interpreter for Deaf, 007472J, Pay Band 3, Dean of Students.
Lab Specialist, 001972M, Pay Band 3, CVM/MDL/Academic Affairs.
Medical Technologist, 002566J, Pay Band 4, Veterinary Teaching Hospital.
Medical Technologist (Surgical Ward Technician), 0367J, Pay Band 4, Veterinary Teaching Hospital.
Office Assistant, 007677T, Pay Band 2, VB.
Office/Manager/Administrator, 000089T, Pay Band 3, CE.
Potwash, 000750H, Pay Band 1, RDP/Dietrick Dining Center.
Program Support Technician, 000028T, Pay Band 3, Business.
Program Support Technician, 001166F, Pay Band 3, Business.
Program Support Technician, 000028T, Pay Band 3, Scholarships/Financial Aid.
Program Analyst, 007685G, Pay Band 5, IDOL.
Public Relations Specialist, 007685T, Pay Band 4, ME.
Receptionist/Secretary, 007345T, Pay Band 2, ME.
Security Guard (Parking Enforcement Officer), W020119G, Pay Band 1, Parking Services.
Software Developer, 007690T, Pay Band 5, ESM.
Sou Chef, 000940H, Pay Band 3, RDP/Physical Plant.

Southgate Bake Shop Special Procedures Technician, 006774M, Pay Band 3, Veterinary Teaching Hospital.
Special Projects/Utilities Crew, 000216H, Pay Band 1, RDP.
Systems Analyst, 007343L, Pay Band 6, IS.
Truck Driver, 007686T, Pay Band 3, Chemistry.
Virginia Tech Webmaster, 001168L, Pay Band 5, WARD.
Web/Office/Assistant, 003132T, Pay Band 3, Biology.

PART TIME
Administrative Assistant, 0023160L, Pay Band 3, 4.6E/University Computing Support.
Admissions Plans/Clearances Team Member, 001248R, Pay Band 2, Graduate School.
Animal Care Tech B, 002214J, Pay Band 2, CVM.
Animal Care Technician A, W022675M, Pay Band 1, Veterinary Teaching Hospital.
Animal Care Technician A, W022693M, Pay Band 1, Veterinary Teaching Hospital.
Animal Care Technician B, W022190M, Pay Band 2, Veterinary Teaching Hospital.
Animal Care Technician B, W022555M, Pay Band 2, CVM.
Audiovisual Technician, W022110T, Pay Band 2, Registrar.
Banquet/Setup (Food), W022143G, Pay Band 1, DBHCC.
Bus Driver, W023140R, Pay Band 1, Motor Pool.
Three part-time food operations positions available.
Housekeeping Worker, W022412J, Pay Band 1, Health Center.
Housekeeping Worker, W022440H, Pay Band 1, RDP.
Housekeeping Worker, W022054G, Pay Band 1, DBHCC.
Laboratory Technician Senior, W020627T, Pay Band 2, Chemistry.
Office Assistant, W022228T, Pay Band 3, Provost.
Office Services Assistant, W020383J, Pay Band 2, Veterinary Teaching Hospital.
Office Services Specialist, W023146M, Pay Band 2, Agricultural Education.
Office Services Specialist, W022498T, Pay Band 2, CS.
Overnight ICU Vet Technician, W022218M, Pay Band 2, Veterinary Teaching Hospital.
Pharmacy Assistant A, W020839J, Pay Band 2, Veterinary Teaching Hospital.
Postal Assistant, W022844L, Pay Band 2, Alumni Relations.
Program Coordinator, W023168J, Pay Band 3, CDAC.
Radiologic Technician, W022412M, Pay Band 3, Veterinary Teaching Hospital.

Spectrum, a faculty-staff tabloid, is published each Friday during the academic year, with the exception of certain holidays, exam weeks, and the summer. Copy deadline is noon Friday. No advertising is accepted.
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INSTRUCTIONAL
Dept. of Accounting/Information Systems, Assistant Professor, Contact: Wayne Leininger, 3007 Pamplin (0105), Deadline is February 3 or until filled.
Dept. of Civil/Environmental Engineering, Assistant/Associate/Full Professor, Contact: Charmaine Elam, 500 Patton (1015), Review begins January 2.
Division of Engineering Fundamentals, Assistant Professor, Contact: Hayden Ohlson, 343 Randolph (0218), Review begins February 15.

NON-INSTRUCTIONAL
VCE, Extension Agent, Family/Consumer Sciences (re-advertisement), 0FA801, Family/Consumer Development, Louisa Co. Planning District 10, Contact: John Dooley, 121 Hutchinson (0437), Review begins December 4.
Pamplin College of Business, Director, Undergraduate Career Services. Contact: Norine Bailey Spencer, 100 Pamplin (0209), Review begins November 27.

LEADERSHIP
Continued from 1

The nine members of the center’s advisory board—Jermol P. Allen, commendant of cadets; Robert C. Bates, dean, College of Arts and Sciences; Barbara L. Carlisle, director, Center for Interdisciplinary Studies; Landrum L. Crawford, vice president for Student Affairs; Henry J. Dekker, former director of the Virginia Tech Board of Visitors and member of the Pamplin Advisory Council; Patricia B. Hyer, associate provost; Jon M. Shepard, head, Department of Management; Sorenson (who also chairs the board); and Noreene Bailey Spencer, associate dean for undergraduate programs, Pamplin College of Business—board members meet regularly during the year to discuss new initiatives and cooperative efforts. Many members also give presentations about leadership programs at national meetings. “Leadership needs to be formally taught and practiced—it cannot be achieved via osmosis,” said Dekker, who wrote a letter to support the application for the award. Dekker adds that he and other board members are “very pleased with the center’s progress.”

For more information about the Center for Leadership Studies, visit www.cob.vt.edu/leadership.
UNIVERSITY

Stege said he has “every confidence that Virginia Tech can step forward,” but cautioned that the university can either go up or down. He said it is important to go up “because members of our peer group are not sitting still. If we don’t keep up, it would be a reason for faculty salaries to go down relative to our peer group.”

He also said that the university has to go up in rankings to be an attractive partner, to continue to attract resources. “People respect what we do,” he assured the gathering, “as witnessed by our membership on the Oak Ridge National Laboratory management board and on a global scale, in the leadership of the Disaster Risk Management Institute.”

Stege outlined the following requirements to become a top-30 research university:

1. Motivation. “We are going to have to get further out on the risk curve,” he said. “As we do the self-study, we are going to have to examine what being a top-30 university will take. This university cannot go anywhere unless the faculty wants to go there. With a knowledge organization, motivation has to come from within.

2. Resources for graduate students. Stege cited suggestions made by Peters, vice provost for research and dean of the Graduate School, including matching funds from the university’s affiliate corporations to provide graduate-student support, and from the institution to enhance faculty-member proposals for grants for federal traineeships.

3. Build the research space and add infrastructure. Partnerships can help, he said. He gave the Virginia Bioinformatics Institute building program at the Corporate Research Center as an example. “We have to change the state’s attitude about resources for research-facility construction,” Stege said. He said members of the General Assembly are considering introducing a $700-million bond issue. “SCHEV has done an example. “We have to change the state’s education policy. We hope that you will provide the guarantees of higher education, we could justify hiring 60 to 100 new faculty members, although substantially more are needed to become a top-30 research university.”

5. Significant library holdings. In comments after the meeting, Stege said a fifth critical element of advancement is new investments in library acquisitions.

“I see excitement about moving Virginia Tech to the next level of accomplishments,” the president said. “I think when we call upon business and alumni for support, it will be there.”

“RDP offers guaranteed-housing program”

By Lori Greiner

Virginia Tech’s department of Residential and Dining Programs (RDP) will once again offer current students wishing to live on campus during the 2001-2002 academic year a guaranteed-housing option.

This program gives current students the opportunity to bypass the traditional lottery process and guarantees that they will be offered a housing contract to live on campus, if they are one of the first 2,500 to apply.

Between November 27 and December 1, students seeking guaranteed-housing for the 2001-2002 academic year may log on to the RDP web site at www.rdp.vt.edu and enter their name. The first 2,500 to do so will be offered a contract the week of December 4. The contract must be signed and returned by December 15 for the housing guarantee to be valid.

GRAD STUDENT’S

Continued from 1

the actual mechanism by which magnesium alters calcium-carbonate growth has remained controversial for the past 25 years. Davis and his colleagues resolved this long-standing controversy. “By comparing molecular-scale measurements with theoretical crystal-growth imperity models we were finally able to achieve a physical understanding of the way in which magnesium modifies calcium carbonate growth,” he said.

Many bio-minerals are so well adapted to their individual roles that they exhibit remarkable properties, making the processes involved in ‘bio-mineralization’ of interest to a wide array of scientific disciplines. Another reason the bio-mineralization process is of interest is because organisms are able to create structures of astonishing complexity that are remarkably strong but lightweight. Scientists are currently unable to reproduce materials with similar properties.

IN OTHER NEWS

Continued from 2

Davis received his bachelor of science degree in biochemistry from the University of Virginia in 1997, his master’s degree in geochemistry from Georgia Tech this past spring, and is now a Ph.D. student in geological sciences at Virginia Tech. Dove, an associate professor at Virginia Tech, was also his major professor at Georgia Tech before relocating to Virginia Tech this summer.