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Virginia
Tech

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TODAY'S EDITION
See page 2 for
information on
campus activities.

Record Building Funds Heading to University

By Larry Hincker

Amidst the funding difficulties and budget woes for Virginia higher education, good news is on the horizon. The Virginia General Assembly passed bills authorizing many new construction projects for state colleges and universities, mental-health facilities, and state parks.

The legislature authorized debt financing of \$1.6 billion for capital projects. About \$1.22 billion of the total will support projects at colleges and universities. Virginia Tech will garner \$137 million in state support of this debt package. (See list of projects in accompanying chart.)

The state also authorized spending of \$157.7 million in non-General Funds—non-taxpayer funds such as fees, gifts, research

overhead, or other revenues. In total, Virginia Tech faces a building boom of \$294.7 million, a portion of which could start as early as this summer.

The bond bill contains funding for previously frozen projects totalling \$20.4 million. These projects include renovation of Williams, Burruss and Agnew instructional facilities; replacement of Dairy Science facilities, maintenance reserve, equipment for the new Chemistry/Physics Building, and the multi-purpose Livestock Arena.

Also included is \$107 million in non-General Funds authorized to carry out Auxiliary Enterprise projects. The projects include maintenance reserve, Lane Stadium expansion, Dietrick renovation, construction of a new residence hall, Johnston Student Center addition,

construction of a dining and student-union facility, major residence and dining-system improvements, and construction of new parking facilities and improvements.

"We are facing an unprecedented building program. The university soon will experience construction activity not seen since the 1960s when enrollment more than doubled," said Vice President Raymond Smoot, whose division oversees design, construction, and debt financing on campus.

Some on campus have questioned moving forward with building projects when operating budgets are getting cut. Bob Broyden, capital-assets manager said, "First of all, capital and operating funds come from two separate sources that cannot be mixed."
(See RECORD on 3)

Board votes to approve tuition policy

By Larry Hincker

On Monday, the Board of Visitors approved its tuition policy for the coming 2002-2003 academic year that will see the cost for a full-time, in-state undergraduate student living on campus increase by 4.8 percent.

In adopting its fee schedule for the coming year, tuition and mandatory fees for Virginia undergraduates will rise \$272 annually from \$3,664 to \$3,936. Even with this increase, Virginia Tech has the lowest fee package (tuition and mandatory fees) in the state for four-year colleges and universities.
(See BOARD on 4)

Blieszner, Reinholtz named alumni distinguished professors

By Jeanne M. Garon

The Board of Visitors has elevated two faculty members to the rank of alumni distinguished professor.

Rosemary Blieszner and Charles Reinholtz were recognized for their distinguished service and academic leadership within the university community. The honor is reserved for faculty members whose exceptional accomplishments in undergraduate teaching, creative scholarship, and professional activities have touched the lives of generations of Virginia Tech alumni. The alumni distinguished professor and university distinguished professor rankings are the highest distinctions a professor can attain at the university.

A professor of gerontology and family studies, Blieszner was appointed by President Charles Steger to serve as university director of strategic planning (2000-2001) and to help Virginia Tech articulate visionary goals, objec-

tives, and strategies. She has played a significant role in various faculty governance positions, including those in the Senate Cabinet, the University Advisory Committee on Strategic Budget and Planning, the Commission on Faculty Affairs, and the President's Task Force on University Councils, Commissions, and Committees.

Known for motivating students to be self-directed learners, for emphasizing critical thinking, and for encouraging students to gain professional experience, Blieszner was honored in the past with the University Alumni Teaching Award and election to the Academy of Teaching Excellence. An often-requested teacher, she validates personal experiences as important sources of knowledge, and she has woven a multicultural perspective into her teaching. Three books Blieszner authored are now in use as college textbooks, and 10 of her
(See PROFESSORS on 4)



BLIESZNER



REINHOLTZ

Westman's rock-imaging research garners NSF funding

By Liz Crumbley

With a \$375,000 award from the National Science Foundation (NSF), a Virginia Tech researcher is attempting to give engineers the ability to scan rock for stresses and failures with the same technology that physicians use to scan the human body for medical problems.

Erik Westman, assistant professor of mining and minerals engineering (MinE), has won a five-year NSF Faculty Early Career Development Program (CAREER) Award to develop a practical method for predicting failures in rock masses. CAREER awards are presented annually to a select roster of young faculty members nation-wide who have the potential to make significant contributions to engineering research and instruction.

The ultimate goal of Westman's project is fewer fatalities, lower construction costs and improved environmental protection in

the construction and operation of mines, bridges, tunnels, dams, underground buildings and waste repositories.

Westman is adapting tomographic imaging—the same technology used in medical CAT scans—so that it can be used by engineers in the field to monitor redistribution of stresses within rock masses. Tomographic imaging "looks inside" a mass by transferring energy in the form of acoustic or seismic waves from one boundary to another. "In the case of rock mechanics," Westman said, "the waves are transferred from one side of a rock mass to another or from a borehole to the interior of a mine."

Tomographic imaging is a non-destructive testing method, similar to those already used on a limited scale by engineers to find stresses and predict failures in large structures such as airplane bodies, Westman said. "It's more difficult to obtain useful images in rock, which is more massive and where changes in stress and material type occur naturally and

frequently."

Scientists have done some testing of tomographic imaging on rocks in laboratory settings. Westman plans to advance the technology from the lab to the field, so that images of large rock masses can be successfully scanned. His investigation will be conducted in labs at Virginia Tech and the Pittsburgh Research Lab of the National Institute for Occupational Safety and Health. Westman will test his results in coal mines.

"NSF is interested in several applications for this technology, such as monitoring hazardous and nuclear-waste repositories, dam and bridge abutments, and tunnels," Westman said. Tomographic imaging also could be used by mining engineers to detect potential rock bursts, events in which pressure causes rock in underground mines to spontaneously explode. Another potential use is the periodic imaging of fault lines associated with earthquakes, to help geologists predict fault failure.

Westman's CAREER project also has an educational component. "Right now," he said, "we can simulate the loading of a rock mass on a computer. This research will make it real. Our undergraduate and graduate students will be able to use images of real rock masses to study stresses and failures." In addition to employing the tomographic imaging in MinE courses in the future, Westman and colleagues at the University of Colorado at Boulder will create a web site so that the technology can be used by students at both schools.

Westman began his work with tomographic imaging as an engineer with the U.S. Bureau of Mines in Colorado from 1991 to 1996. He came to Virginia Tech in 1997 as a doctoral candidate. He earned his bachelor's degree in geophysical engineering from the Colorado School of Mines, his master's degree in civil engineering from the University
(See ROCK-IMAGING on 4)

ACTIVITIES

EVENTS

Friday, 22

YMCA Open University registration, 9 a.m. to 5 p.m., YMCA Office.

Saturday, 23

YMCA Hike, 10 a.m., YMCA Parking Lot.

Sunday, 24

SOTA Event, 3 p.m., Blacksburg Presbyterian Church: Faculty Recital.

TA Event, 8 p.m., 204 PAB: "Crimes of the Heart" (through 3-28).

Monday, 25

Family, Work/Life Resources Program, noon to 1 p.m., DBHCC conference room G.

Orientation Briefing, 5 to 7 p.m., 223 Engel: H1B Visa procedures/permanent-residency options.

Workshop, 5 to 7 p.m., Blacksburg Public Library conference room: Regionalism and Globalization.

Wednesday, 27

CommonHealth Program, 12:10 to 12:55 p.m., DBHCC conference room A.

"With Good Reason," 7 p.m., WVTF.

Friday, 29

Pay Date for Faculty and Staff Members.

Leadership Development Workshop, 9 a.m. to 12:30 p.m., DBHCC rooms D, E.

CommonHealth Program, 12:15 to 12:30 p.m., Southgate Personnel classroom.

SEMINARS

Friday, 22

Highlands in Chemistry, 11:15 a.m., 3 Davidson: Richard D. Sacks, University of Michigan.

MCBB, 12:20 to 1:10 p.m., Fralin auditorium: Parag R. Chitnis, Iowa State.

HD, 1:30 p.m., 364 Wallace: Brennan D. Peterson

CASS, 3 to 4 p.m., Davidson 307: Joseph E. Marcy.

Philosophy, 3 p.m., 225 Major Williams: Antonia Lolordo, UVa.

SPIA, 3:30 p.m., DBHCC auditorium: Greg Simon, Simon Strategies, Inc.

STS, 4 p.m., 132 Lane: Wenda Bauchspies, Penn State.

Monday, 25

COE, 4 p.m., 136 Norris: S.N. Atluri, UCLA.

Wednesday, 27

PCOB, 4 p.m., DBHCC auditorium: Bridget Ryan Berman, Polo Ralph Lauren.

Thursday, 28

CSES, 4 p.m., 246 Smyth: Huaguo Wang.

Geological Sciences, 4 p.m., 4069 Derring: Larry Brown, Cornell.

Friday, 29

Highlands in Chemistry, 11:15 a.m., 3 Davidson: Robert P. Hanzlik, Kansas.

MCBB, 12:20 to 1:10 p.m., Fralin auditorium: Bill Costerton, Montana State.

Geological Sciences, 2:30 p.m., 4069 Derring: Timothy Demko, Exxon-Mobil.

Statistics, 3:45 p.m., 409 Hutcheson: Alyaa Zahran.

BULLETINS

'The Geography of Nowhere' lecture set

Author and former *Rolling Stone* staff member James Howard Kunstler will present a lecture (with photographs) calling for a return to better town planning, livable communities, and an end to sprawl Tuesday, March 26, at 7 p.m. in the Donaldson Brown auditorium. The presentation is free.

Natural History Museum program offered

The Natural History Museum program on Saturday, March 23 from 11 a.m. to noon will be about fossils. The program will include information on how fossils form and what they can reveal about the past. Activities integrate games and crafts with key science concepts. Pre-registration is requested at 1-3001.

From 1 to 5 p.m., after Science Saturday Morning Programs, SEEDS Saturday watershed field trips for children in grades 4 to 8 will meet at the museum. Participants should dress appropriately and bring a snack. Pre-register at 1-3001.

VTIP invites inventor input

Virginia Tech Intellectual Properties, Inc (VTIP) is reviewing its support of Virginia Tech inventors. A short survey of researchers' and others' impressions of the service

that VTIP provides is posted on the web.

Visit www.vtip.org/survey2002.htm to participate. For more information, contact Debbi Lucas at 951-9374 or lucasd@vt.edu.

RMS to host Records Workshop

The Department of Records Management Services will present a workshop on April 9 for persons interested in learning about records keeping.

This session will address Virginia Tech records-keeping practices. It will be an opportunity for directors, managers, records coordinators, records requesters, and any administrative personnel desiring to have records questions or concerns addressed. The latest guidance on proper storage, retention and destruction of electronic records, including e-mails, will be addressed.

The session will be two hours in length; one hour of presentation followed by a one-hour question/answer session. It will be held in 2150 Torgersen from 3 to 5 p.m. Anyone planning to attend who has not previously responded to an earlier e-mail notice should make their workshop reservation request as soon as possible. E-mail responses to Jerry Palmer at gepalmer@vt.edu.

Internet History seminar today

The Virginia Tech School of Public and International Affairs presents the public seminar "The 'History' of the Internet: 2002—2012" today from 3:30 to 5 p.m. in the Donaldson Brown Continuing Education Center main auditorium

The seminar will be presented by Gregory Simon, former chief domestic policy advisor to Vice President Al Gore.

Now a consultant to high-tech business, Simon provides senior-level public-policy counsel to leading technology companies in the telecommunications and information industries.

Before founding Simon Strategies/Mindbeam in 1997, Simon was the Chief Domestic Policy Advisor to Vice President Al Gore. In that position, he was Gore's top advisor on economic, science, and technology issues.

Before working in the White House, Simon worked on Gore's Senate staff and served as staff director of the Subcommittee on Investigations and Oversight of the House of Representatives' Science, Space, and Technology Committee.

For more information, see <http://www.simoninc.com/about-simonbio.html>

Fulbright to speak during GSAW

By Julie Kane

Harriet Mayor Fulbright will be the keynote speaker for the 2002 Graduate Student Appreciation Week. The event will take place April 2 at 6:30 p.m. in 2150 Torgersen. Her talk, entitled "Globalization and Education," is free and open to the public.

Fulbright is the executive director of the President's Committee on the Arts and the Humanities. She is a former president of Center for Arts in Basic Curriculum, a non-profit organization concerned with advocacy of educational reform and teacher training. From 1987 to 1992, she was involved in the Fulbright scholarship program, first as executive director of the Washington area Senior Fulbright Program, where she initiated and administered an enrichment program of cultural, historical, and social activities for foreign Fulbright scholars.

The widow of the late Senator William Fulbright, she continues to travel with the Fulbright program to talk to groups about its vision: a mission of peace, intellectual excellence, leadership training and global distribution. The Fulbright program was started after the Second World War.

The goal of the Fulbright exchanges, which require sharing of responsibility between the U.S. and host governments and institutions, is

(See FULBRIGHT on 4)

Arctic Arts Festival slated for this weekend

By Sally Harris

Four Arctic artists will demonstrate their work during the Arctic Arts Festival at Virginia Tech March 22-24.

The festival's opening reception is today at 7 p.m. in the Perspective Gallery on the second floor of Squires Student Center. On Saturday and Sunday, March 23-24, from 1 to 4 p.m., the artists will demonstrate stone carving, papermaking, and silver jewelry-making outside the east end of Squires. Films about Arctic life will be available for viewing on request.

An exhibit of Arctic Arts in the Perspective Gallery includes wall hangings by women of Baker Lake, Nunavut; stone sculpture from Baffin Island, Nunavut; and tools and clothing of Arctic life, some from the collection of Joanne C. McNeal of the Center for Interdisciplinary Studies in the College of Arts and Sciences. The wall hangings and large tools are from the collection of Judith Varney Burch, owner of Arctic Inuit Art Galleries in Richmond and Nova Scotia, who will talk about the work at the opening.

Inuit sculptors Bill and Lyle Nasogaluak, Ruth Wright, an Indian artist who does mixed media and paper art, and Allyson Simmie, a jeweler, will travel to Virginia Tech to demonstrate their work at the festival. They will

(See ARCTIC on 4)

March activities sponsored by CEUT

Designing Research Assignments, Monday, March 25; 2:30-5 p.m., 3310 Torgersen

Presenters: Nan Seamans, Margaret Hable, Nicole Auer, Margaret Merrill, Susan Ariew.

How to incorporate new research assignments into a spring class or enhance an existing assignment. Learn strategies to guide students through complex research projects from start to finish. Register at www.ceut.vt.edu.

Assessment of Student Achievement, Wednesday, March 27; 2:30 to 5 p.m., Donaldson Brown, conference room G. Presenter: Peter Doolittle.

Assessing student achievement is a broad endeavor that includes several concepts: syllabus construction, instructional design, test construction, and a grading plan. This workshop will focus on creating fair and effective assessments and grading scheme. Register at www.ceut.vt.edu.

Clubs holding auction for charities

By Leigh Allgood,
University Relations intern

Student organizations associated with the College of Agriculture and Life Sciences are joining together to raise money for New River Valley charities.

The Ag Econ/NAMA club of Virginia Tech will hold its annual charity auction today in 146 Smyth, with a silent auction beginning at 4:30 p.m. and a live auction beginning at 6 p.m. Items expected to be auctioned include hand-crafted items, gift certificates and a football autographed by Frank Beamer.

The Poultry Science Club, Block and Bridle Club, and Dairy Club are assisting. Proceeds from the auction will be divided between the Blacksburg Area Volunteers against Leukemia and the New River Valley Habitat for Humanity. Proceeds of activities associated with the auction will also be donated by the other clubs participating.

The Poultry Science Club will sell barbecued chicken, the Block and Bridle Club will sell pork barbecue sandwiches, and the Dairy Club will sell milkshakes.

For more information concerning the auction and other items to be auctioned, contact Todd Kiracofe at 552-4504 (e-mail tkiracof@vt.edu) or contact Kate Gillett at 961-9846 or (e-mail mgillett@vt.edu).

FULBRIGHT

Continued from 2

to enable students to experience different cultures and return home with a new view as citizens of the world.

Other events for Graduate Student Appreciation Week include a kickoff on Monday, April 1, which will include various outside activities for graduate students.

The 18th Annual Student Research Symposium, organized by the Graduate Student Assembly, will be held Tuesday, April 2. Students' research will be on display in Squires Commonwealth Hall from 10 a.m. to 3 p.m. For more information, e-mail shafez@vt.edu or solgun@vt.edu, or call 1-7919.

On Wednesday, graduate students are invited to attend two workshops: academic track (9 a.m. to 12:30 p.m.) or business and industry track (1 to 4 p.m.). Entitled "Preparing the Future Professional," presentations will be made by representatives from industry, government,

and academics in the Brush Mountain Room in Squires Student Center. Lunch and refreshments will be provided. To register, contact Marilyn Kershaw, mkershaw@vt.edu, or call 1-2494.

Each college has selected an outstanding graduate student to win an award. In addition, awards will be given for the outstanding thesis and dissertation. At the Graduate Student Awards Banquet (invitation only) on Thursday, these awards will be presented, as well as the Graduate Teaching Assistant Excellence Award and the Graduate Student Service Award.

Friday is Graduate Student Appreciation Day. Colleges are encouraged to show appreciation for their graduate students.

For more information on these events, such as time and location, go to Graduate Education Week under Featured Sites on the Virginia Tech home page, call Jocelyn at 1-9549, or e-mail fellows@vt.edu.

undergraduate students living on campus will increase \$1,162 from \$16,460 to \$17,622.

Tuition and fees will also increase for graduate students attending Virginia Tech. Graduate students who are Virginia residents will see their tuition and mandatory fees increase by \$412 from \$5,219 to \$5,631.

Non-resident graduate students will see their tuition and mandatory fees increase \$677 from \$8,189 to \$8,866.

Tuition and fees for Virginia and Maryland residents attending the Virginia/Maryland Regional College of Veterinary Medicine will rise \$788 from \$9,406 to \$10,194. For students from states other than Virginia or Maryland their costs rise \$2,044 from \$23,368 to \$25,412.

Because of the severity of the loss in state funding and the fact that tuition has been frozen or reduced for the last seven years, the board elected to raise tuition 9 percent for all categories of student.

A portion of the increased tuition revenue will be set aside for financial aid for the neediest students. State support for financial aid will be increased by approximately \$1.6 million for the biennium.

Virginia Tech faculty members and affiliates. Students will meet with their sponsor periodically to discuss their area of interest, identify university resources, and establish professional contacts in the community.

"We will be continually evaluating our program to ensure that we are offering the highest-quality education to the best students we can attract," Allen said.

For more information go to <http://www.chre.vt.edu/HD/appliedmastersmain.htm>.

Cheney
Memorial Service
Scheduled

The English Department plans to hold a memorial service for Emerita Associate Professor Anne Cheney on Saturday, April 6 at 1 p.m. in the War Memorial Chapel. Cheney died Dec. 17, 2001 in Montgomery County Hospital of cancer.

Cheney came to the English department in the late 1960s and retired several years ago. She specialized in modern American literature and published books on writers Edna St. Vincent Millay (*Millay in the Village*, Alabama, 1975), Lorraine Hansberry (*Lorraine Hansberry*, Twayne, 1984), and Jesse Hill Ford (*The Life and Letters of Jesse Hill Ford*, Southern Writer, Mellen, 1995). Recently, she published a number of volumes of her own poetry and sponsored the publication of younger poets, many of whom are Virginia Tech alumni.

The service is open to the town and university communities.

RESEARCH

Continued from 3

attacking the full range of potential bioterrorism pathogens.

Link from the research division's Opportunity Update site at www.rgs.vt.edu/funding/ou/update.html or download from www.niaid.nih.gov/dmid/pdf/biotresearchagenda.pdf.

PROFESSORS

Continued from 1

more than 60 refereed journal articles focus on instruction and teaching issues.

Her interdisciplinary research focuses on family and friend relationships in adulthood and old age from the perspectives of gerontology, family studies, psychology, and sociology. She has served as associate director for education at the Center for Gerontology since 1983 and has been named as a fellow to four professional societies, including the National Council on Family Relations. She also serves on several editorial boards.

Reinholtz had amassed a number of honors before being named an alumni distinguished professor. He received a Presidential Young Investigator Award from the National Science Foundation and a Certificate of Teaching Excellence and the Wine Award for Excellence in Teaching from Virginia Tech. In 1996 he became Virginia Tech's first recipient of the W.S. White Chair for Innovation in Engineering Education. He is also a member of the Academy of Teaching Excellence.

Two of Reinholtz's citations resulted from student nominations. In 1995, he received the

Leslie Mellichamp, 80

By Sally Harris

Leslie Ray Mellichamp Jr., 80, of Blacksburg, an associate professor emeritus of history, died Dec. 18, 2001.

Mellichamp taught history at Virginia Tech from 1955 to 1986. He earned a B.S. in electrical engineering from Clemson University, an M.A. in English from the University of North Carolina, and a Ph.D. in liberal arts from Emory University. He taught in three different departments at Virginia Tech. "He was multi-disciplinary," said Tom Howard of the history department. "He was before his time."

Mellichamp's main interest was European intellectual history, which he taught, and he wrote on George Orwell, Howard said.

Mellichamp was a poet and editor of the poetry journal *The Lyric* for 25 years. He published several books of verse.

STUDENT DEATH NOTICE

Adrinell Dye, graduate student at the Northern Virginia Center.

ROCK -IMAGING

Continued from 1

of Colorado at Denver, and his doctorate in mining engineering from Virginia Tech.

(Editor's note: This is the fourth of a series of articles covering university faculty members who have received NSF funding.)

American Society of Mechanical Engineers' (ASME) National Faculty Advisor Award, recognizing the guidance he had provided to the ASME Student Section at Virginia Tech. He also received the ASME Outstanding Faculty Advisor Award in 1990 and 1992.

Reinholtz has a record of success in attracting industry projects and underwriting support for approximately 15 percent of his senior-level undergraduate students, over the years garnering more than \$1 million exclusively for various student efforts. Under his leadership, mechanical-engineering students have provided technical assistance to companies such as Babcock and Wilcox Nuclear Technologies (now Framatome), Nautilus, and Bioconversions Technologies.

The Alumni Distinguished Professorships date to January 1972, when the Alumni Association announced that a limited number of Alumni Professorships—five—would be awarded the following fall to recognize exceptional accomplishment in undergraduate teaching, creative scholarship, and professional activities. The association built an endowment to fund the professorships to honor the university's centennial celebration.

ARCTIC

Continued from 2

be joined by Virginia Indian artists.

Bill Nasogaluak, originally from Tuktoyaktuk, Northwestern Territories (NWT), was featured recently in the *Inuit Art Quarterly*. He has been creating art works since he was a child. The themes of his paintings and carvings include interpretations of his Inuvialuit (the Western Arctic sub-group of the Inuit) culture, the mythology and legends of his people, and the relationship between people, land, and wildlife in the Arctic.

BOARD

Continued from 1

"No one likes to raise tuition. We are very sensitive to the impact on students and their families. However, we believe that Virginia Tech is still a great buy. Even with this increase, Virginia students are paying less in tuition than 10 years ago," President Charles Steger said. "This increase is imperative to maintain academic quality and services for our students."

Cost for room and board will also increase \$98. While students have several choices as to which room or dining plan they can participate in, the cost for room and board will rise on average from \$3,972 to \$4,070.

Together this will raise the cost for a full-time Virginia resident living on campus from \$7,636 to \$8,006—a 4.8-percent increase.

Tuition and mandatory fees for out-of-state undergraduates who live on campus will increase \$1,064 from \$12,488 to \$13,552.

The cost for room and board for out-of-state students is the same as for Virginia residents. Combined with room and board, the cost to attend Virginia Tech for non-resident

DEGREE

Continued from 3

The degree will offer students a unique educational experience that will enhance career options and allow them to explore new opportunities by focusing on one of a possible 22 areas of concentration. For example, there are six concentrations available in adult development and aging, including Therapeutic Strategies with Elders, Social Support Practices in Old Age, or Caregiving and Alzheimer's Disease. Child development has five concentrations that range from Adoption and Foster Care to Working with Adolescents. Other areas of focus include Domestic and Relationship Violence, Family Issues in the Workplace, Technology: Children, Youth and Families; Equal Opportunity and Multicultural Relations, and Residential, Housing and Shelter Services.

The completion of an internship with a minimum input of 400 hours is required and is designed to use the expertise and skills that students have learned throughout the program. In addition, students will compile a professional portfolio, which will be ready for employer scrutiny at the end of their graduate training—a unique feature of the program.

Students who enroll in the program will be assigned a temporary sponsor from the Faculty Sponsor Network (FSN), a group of over 20

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