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# Washington University in St. Louis

November 2002

## University News

**SCIENCE IN SCHOOLS:** Arts and Sciences has received \$16.5 million in grants from the National Science Foundation to collaborate with local science institutions, universities, and school districts to improve science and math education in the community. (Related story [here](#).)

**PUBLIC-PRIVATE PARTNERSHIP:** In what administrators believe is the first such program to win accreditation, a nine-year-old joint program between Washington University and the University of Missouri-St. Louis is enabling St. Louis people with day jobs--especially women and members of minority groups--to work on engineering degrees part-time and at low, public-university tuition rates.

**GOT BLOOD?** Missouri's children with sickle cell disease may benefit from a National Institutes of Health grant awarded to the School of Medicine to expand an African-American blood program statewide.



Sickle cell patient Greg Williams helps Dr. Michael DeBaun find his heartrate.

## Research

**SECURITY INFORMATION:** MasterCard International is testing a system developed by University engineers to detect counterfeit credit cards by reading a unique magnetic "fingerprint" on the stripes of credit cards and other objects that carry magnetic information.

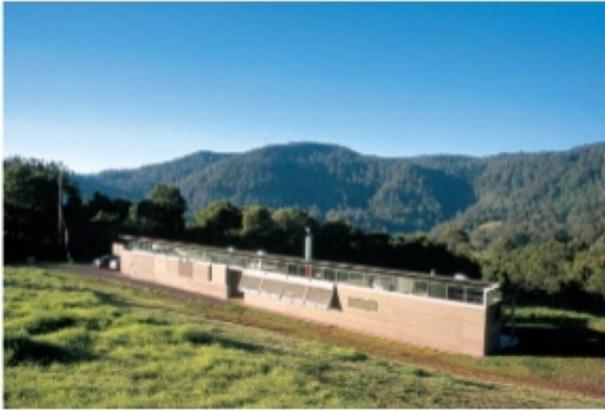
**REFORMING BUSINESS:** American business is at a critical crossroads. Restoring confidence in the United States system of corporate governance is a tall order, but specific courses of action are clear, says Murray Weidenbaum, the Edward Mallinckrodt Distinguished University Professor of Economics and one of the most respected conservative economists in America.

**IN WITH THE OLD:** A formerly abandoned surgical technique is being resurrected as School of Medicine researchers lead a multi-center effort to see whether brain artery bypass surgery prevents people from having a second stroke.

## Features

**SWADDLING TO SAFETY:** University researchers are looking at the age-old practice of swaddling babies to see whether it might have a role in lowering Sudden Infant Death Syndrome (SIDS) risk. Their rationale is

the secure feeling babies have when swaddled can make them less fussy and more amenable to sleeping on their backs.



C. Fletcher and A. Page House, Kangaroo Valley, New South Wales, 1997-2000.

Anthony Brownell

### PRITZKER PRIZE-WINNING

ARCHITECT: Australian architect Glenn Murcutt was awarded the 2002 Pritzker Prize (often called architecture's Nobel Prize) last spring for his innovative and elegant designs, well adapted to Australia's rugged yet ecologically delicate landscape. Murcutt heard of his selection while serving as the Ruth and Norman Moore Visiting Professor of Architecture at Washington University.

### MAKING THE IMPOSSIBLE

POSSIBLE: Five-year-old Jessica Hill was born paralyzed from the chest down. The youngest patient of John McDonald, medical director of the Spinal Cord Injury Program in the School of Medicine and

director of the therapy that is helping Christopher Reeve, Jessica has learned to crawl on her own and walk assisted by a walker. (from *Voice of America*)

## Heard on Campus

"People often have a helpless sense about politics. This is not true. You just have to stand up and make a noise."  
- Indian-born novelist and essayist Salman Rushdie, best known for his controversial novel, *The Satanic Verses*, speaking to members of the University in Graham Chapel on October 3

## Kudos

Sarah C.R. Elgin, Ph.D., is one of 20 professors nationwide who will receive \$1 million over the next four years from the Howard Hughes Medical Institute to bring the creativity she has shown in the lab to the undergraduate classroom. Elgin is a professor of biology in Arts and Sciences. [Read more!](#)

Bears volleyball coach Rich Luenemann picked up his 700th career coaching win in the Bears' 3-0 victory over Augustana College on September 18. He is just the 11th active NCAA coach at any level to reach the 700-win plateau. (Heading into November, his undefeated, 30-0 squad is ranked No. 1 in the nation among Division III colleges and universities.) [Read more!](#)

Brian Carpenter, Ph.D., is one of four scholars nationwide to be awarded a Brookdale Fellowship, which will enable him to explore relationships among older adults and their families. Carpenter is an assistant professor of psychology in Arts and Sciences. [Read more!](#)

Keith H. Bridwell, M.D., is the new president of the Scoliosis Research Society. Bridwell is the Asa C. and Dorothy W. Jones Professor of Orthopaedic Surgery in the School of Medicine. [Read more!](#)

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## About @ Washington University in St. Louis

This newsletter is prepared by the staff of the Office of Special Development Communications Projects and the Office of Alumni and Development Programs. It is intended to provide a summary of what is happening at the University. Alumni, parents, and friends of the University for whom we have valid e-mail addresses automatically receive @ Washington University in St. Louis as a service of the University.

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