



@ Washington University in St. Louis

April 2011
e-News for Alumni, Parents, and Friends

Quick Links

[Washington University
in St. Louis](#)

[Alumni Association](#)

[Parents](#)

[Alumni & Development Programs](#)

[The Record](#)

[More news...](#)

[Make a Gift to Washington
University](#)

[Past Issues of @Washington
University in St. Louis](#)

[Subscribe](#)

[Update your information](#)



University News

'Architecture at 100':

A lot can happen in a century. During the 2011-12 academic year, the Sam Fox School of Design & Visual Arts will mark the centennial of its College of Architecture and Graduate School of Architecture & Urban Design, as well as the 50th anniversary of the Master of Urban Design program. On April 1 and 2, the Sam Fox School will preview festivities with "Architecture at 100: Architectural Education at Washington University in St. Louis," a series of informal talks, roundtable discussions and alumni reflections.



JOE ANGELES
Historic Givens Hall, home to the College of Architecture and Graduate School of Architecture & Urban Design since 1932.

Washington University receives major gift from Jack Taylor on behalf of Enterprise Holdings:

Jack C. Taylor, philanthropist and founder of Enterprise Holdings Inc., has given Washington University \$25 million for undergraduate scholarships on behalf of the company. The gift will be added to the existing endowed scholarship fund that was established in 2001 by Enterprise Holdings, the parent company of Enterprise Rent-A-Car, National Car Rental and Alamo Rent A Car.

New master's dual-degree in engineering and business announced:

The Department of Energy, Environmental & Chemical Engineering in the School of Engineering & Applied Science and the John M. Olin School of Business have announced a new dual-degree program that combines a master's degree in engineering and a master's of business administration. Students can earn an M.Eng and MBA degree in two-and-a-half years with a focus on energy, the environment and corporate sustainability.

Research

Repeated stress produces long-lasting resistance to stroke damage in the brain:

An innate protective response that makes the brain resistant to injury from stroke can be made to last for months longer than previously documented, researchers at Washington University School of Medicine report. The inducible protective phenomenon, called tolerance, typically lasts only a few days. Washington University scientists have now induced tolerance lasting for at least two months in adult mice. Researchers say the results suggest that this new kind of tolerance, which they were studying for its potential to reduce brain injury from stroke, may actually be applicable to a variety of neurodegenerative conditions, such as multiple sclerosis, Alzheimer's disease and amyotrophic lateral sclerosis.

Hidden hazards in the home:

Workers who have limited rights and are exposed to significant hazards and injuries might sound like something out of a Victorian novel, but it's a reality for paid domestic service employees who perform tasks such as cleaning, cooking, childcare and care of the elderly. "Domestic employees face a variety of workplace hazards when working in clients' homes, including exposure to harmful cleaning chemicals, verbal and physical abuse, and injuries caused by lifting and



PHOTOS.COM

Scientists at Washington University School of Medicine in St. Louis have found that a natural protective effect in the brain can be extended much longer than researchers previously thought. The effect, which reduces damage from strokes in mice, can be induced through repeated exposure to carefully controlled forms of stress.



F. Brett Drake

moving clients with limited mobility,” says Peggie Smith, J.D., employment law expert and professor of law at Washington University.

Taking the temperature of ancient earth:

A team of researchers, including scientists from the Department of Earth and Planetary Sciences in Arts & Sciences, for the first time has been able to reconstruct both ocean temperature and general ice thickness of massive glaciers during one of the biggest mass extinctions in history hundreds of millions of years ago. The extinction, which occurred between 443 and 445 million years ago in the Late Ordovician Period, is one of the five biggest mass extinctions in Earth history, wiping out an estimated 75 percent of simple marine species.

Features

Reasons other than racism factor into disproportionality in child abuse reporting:

Black children are involved in reported cases of child abuse at approximately twice the rate of white children. Until now, this generally has been attributed to racial bias in the child welfare system. But in a new study published in the journal *Pediatrics*, F. Brett Drake, Ph.D., professor at the George Warren Brown School of Social Work, finds that much, if not most, of the overrepresentation of black children in maltreatment reporting is due to increased exposure to risk factors such as poverty.

@twitter #5years: Great for business:

The social media giant Twitter began five years ago last month. Millions of people are using it to let their friends know about good places to go for lunch and what their kids are doing. But what has been its impact on the business community? “The value of Twitter really lies in its ability to get people talking,” says Sharon Cannon, Ph.D., lecturer of management communication at the John M. Olin School of Business and director of the Olin Management Communication Lab.

Heard on Campus

“The fact that four million British people come here every year; that we are each other’s largest investors, with a million jobs on both sides of the Atlantic depending on that; that we are the top two collaborators for international science and innovation — these are not facts which arose yesterday. But I call them ‘new’ because they are, for me, among the most important reasons for the confidence I have in the future of our relationship.”

— Sir Nigel Sheinwald, British Ambassador to the United States, during the annual T.S. Eliot Lecture, titled “Britain and America: An Easy Commerce of the Old and New,” in Holmes Lounge March 4

cRAWdads:

A medical mystery began one summer’s day on a Missouri waterway when someone ate something that most Americans would never think of putting in their mouths — that is, not unless it had first been sauteed, baked, boiled or fried. Before this illness was diagnosed at Washington University School of Medicine, only seven such cases had ever been reported in North America, where a parasite, *Paragonimus kellicotti*, is common in crayfish. Cooking destroys the parasite. But when mammals consume raw crayfish, the illness paragonimiasis is the result. It can cause fever, cough, chest pain, shortness of breath and extreme fatigue. Diagnostic clues also include elevated levels of a particular type of white blood cell and fluid around the lungs and sometimes the heart.

Kudos

Adeetee Bhide, a senior majoring in biology in Arts & Sciences, has been awarded a Churchill Scholarship. She is just the second Washington University student to have ever won the scholarship. The Churchill Scholarship, which covers tuition and all fees for graduate study at Churchill College at the University of Cambridge, is one of the most prestigious and academically competitive opportunities of its kind. Each year, only 14 Churchill Scholars are selected from 103 American colleges and universities.

Gerald L. Early, Ph.D., the Merle Kling Professor of Modern Letters and director of the Center for the Humanities, has been named to the Commission on the Humanities and Social Sciences established by the American Academy of Arts and Sciences.

Marcus E. Raichle, M.D., professor of radiology, of neurobiology, and of neurology in the School of Medicine, received a MetLife Foundation Award for Medical Research in Alzheimer's Disease February 24 in New York.

Tracy Spitznagle, DPT, assistant professor of physical therapy and of obstetrics and gynecology, received the Elizabeth Noble Award from the American Physical Therapy Association at its annual meeting in February. It is the highest honor given by the Women's Health section for service and patient care.

Esteban Varela, M.D., associate professor of surgery, received the 2011 Golden Laparoscope Young Researcher Award from the Society of American Gastrointestinal and Endoscopic Surgeons.

David Zar, research associate in computer science and engineering, was featured on Good Morning America February 15 to demonstrate a smartphone application for ultrasound imaging developed by himself and William D. Richard, Ph.D., associate professor of computer science and engineering. In February, the application was awarded the 2011 Best Mobile Health Innovation by the Global Mobile Awards during the Mobile World Congress and received FDA approval.

The women's basketball team finished runner-up in the 2011 NCAA Division III National Championships, losing to Amherst College 64-55 in the championship game March 19 in Bloomington, Illinois.

About @Washington University in St. Louis

This newsletter is prepared by Special Development Communications Projects staff in Alumni and Development Programs. It is intended to provide a brief 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.

Copyright 2011, Washington University in St. Louis
One Brookings Drive, St. Louis, MO 63130
(314) 935-5000

