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Record



Washington University in St. Louis

Nov. 12, 2009

record.wustl.edu

\$80 million in stimulus grants awarded to WUSTL

By CAROLINE ARBANAS

Washington University has been awarded nearly \$80 million in funding from the 2009 American Recovery and Reinvestment Act (ARRA) to support research across a broad range of projects, including cancer, Alzheimer's disease, renewable energy, diabetes and climate change.

As of Sept. 30, the end of the federal fiscal year, University faculty had received 207 awards. Some \$73 million came from the National Institutes of Health (NIH), ranking Washington University among the top 10 academic institutions in NIH stimulus funds. Other awards were received from the National Science Foundation and the Department of Energy.

"The research funding we have been able to attract to Washington University will lead to new discoveries that will have direct benefit to people throughout our region and, indeed, across the world," Chancellor Mark S. Wrighton said. "Our successful competition for this funding is in large measure due to our many talented and experienced faculty who have distinguished themselves as world-class researchers. I am proud of the extra effort that many in our community made to bring this funding to St. Louis."

In all, 175 faculty members from the School of Medicine, Arts & Sciences, School of Engineering & Applied Science and the George Warren Brown School of Social Work received awards.

The largest chunk — \$10 million — went to the Genome Center for a project to

generate comprehensive genetic maps of mutations that underlie 20 different types of cancer. The researchers will sequence the DNA of cancer patients and compare it with DNA from tumor samples of the same patients to identify genetic changes that may be important to cancer. Over time, the project is expected to lead to new ways to diagnose, treat or even prevent cancer.

Other awards include:

- Developing the technology to produce lithium iron phosphate nanoparticles, which have the potential to improve rechargeable batteries used in portable electronic devices as well as electric cars. Batteries using these nanoparticles are likely to be less expensive, hold a greater charge and last longer than those currently on the market.

- Testing an MRI-based heart imaging

technique that has the potential to determine whether the heart muscle is alive or dead more accurately than currently available tests. The technique offers unprecedented precision in locating damaged and non-functioning areas of the heart and may help to improve the effectiveness of cardiac surgery.

- Investigating ways to diagnose Alzheimer's disease before the onset of dementia by combining information from brain scans that image amyloid plaques — a key feature of Alzheimer's — with an analysis of key proteins in spinal fluid. Earlier diagnosis could allow patients to receive new treatments before the disease causes irreversible brain changes that lead to memory loss.

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Nearly half of all U.S. children will use food stamps, expert says

By JESSICA MARTIN

Holidays and tables full of delicious food usually go hand-in-hand, but for nearly half of the children in the United States, this is not guaranteed.

"Forty-nine percent of all U.S. children will be in a household that uses food stamps at some point during their childhood," said Mark R. Rank, Ph.D., the Herbert S. Hadley Professor of Social Welfare in the George Warren Brown School of Social Work. "Food stamp use is a clear sign of poverty and food insecurity, two of the most detrimental economic conditions affecting a child's health."



Rank

According to Rank, the substantial risk of a child being in a family that uses food stamps is consistent with a wider body of research demonstrating that U.S. children face considerable economic risk throughout their childhood years.

"Rather than being a time of security and safety, the childhood years for many American children are a time of economic turmoil, risk and hardship," Rank said.

Rank's study "Estimating the Risk of Food Stamp Use and Impoverishment During Childhood" is published in the current issue of the Archives of Pediatrics & Adolescent Medicine. Other study findings include:

- Ninety percent of black children will be in a household that uses food stamps. This compares with 37 percent of white children.

- Nearly one-quarter of all American children will be in households that use food stamps for five or more years during childhood.

- Ninety-one percent of children with single parents will be in a household receiving food stamps, compared with 37 percent of children in married households.

- Looking at race, marital status and education simultaneously, children who are black and whose head of household is not married with less than 12 years of education have a cumulative percentage of residing in a food stamp household of 97 percent by age 10.

"Understanding the degree to which American children are exposed to the risks of poverty and food insecurity across childhood is essential information for the health-care and social service communities," Rank said. "Even limited exposure to poverty can have detrimental effects upon a child's overall quality of health and well-being."

The study, co-authored with Thomas Hirschl, Ph.D., professor at Cornell University, is based on an analysis of 30 years of information taken from the Panel Study of Income Dynamics (PSID) and looks at children between the ages of 1 and 20. The PSID is a longitudinal survey of a representative sample of U.S. individuals and their families interviewed annually since 1968.

Rank's areas of research and teaching have focused on issues related to poverty, social welfare, economic inequality and social policy. His first book, "Living on the Edge: The Realities of Welfare in America," was published in 1994 and explored the circumstances of surviving on public assistance and achieved widespread critical acclaim.

His book "One Nation,

See Food stamps, Page 2



Looking toward our energy future Steven F. Leer (left), president and CEO of Arch Coal, and Chancellor Mark S. Wrighton listen as Maxine L. Savitz, Ph.D., vice president of the National Academy of Engineering and a member of the President's Council of Advisors on Science and Technology, answers a question from the audience at America's Energy Future, a symposium to discuss the National Research Council's roadmap for the country's energy future. The symposium was held Nov. 2 in Simon Hall and was sponsored by the International Center for Advanced Renewable Energy and Sustainability (I-CARES). Wrighton delivered the keynote address summarizing the council's report.

Skills tests like 'connect the dots' may be early Alzheimer's indicator

By MICHAEL C. PURDY

A study of mental decline in the years prior to diagnosis of Alzheimer's disease suggests that changing the focus of testing may allow physicians to detect signs of the disease three years earlier.

Current cognitive testing typically focuses on episodic memory, or the ability to remember things such as word lists or information from a reading. But School of Medicine scientists found that another class of mental abilities known as visuospatial skills begins to deteriorate up to three years prior to diagnosis. These skills are tested with tasks such as connecting the dots or using a guide to build a structure with blocks.

"We may need to rethink what

we look for as the earliest signs of mental change associated with Alzheimer's disease," said senior author James Galvin, M.D., associate professor of neurology, of



Galvin

neurobiology and of psychiatry. "If we can better recognize the first signs of disease, we can start treating patients earlier, and, hopefully with new treatments, we can slow or perhaps even stop their progress into dementia."

The results were published in the October issue of Archives of

Neurology.

Galvin and his co-authors analyzed long-term data from volunteers at the Memory and Aging Project at the University's Alzheimer's Disease Research Center (ADRC). For three decades, researchers have been regularly conducting extensive testing of volunteers to uncover the factors associated with the normal, healthy retention of mental function in seniors. The new study analyzes data on 444 volunteers ages 60-101 that were gathered between 1979-2006.

Scientists categorized cognitive testing results into a global measure of cognitive abilities as well as three specific types of mental skills: episodic memory,

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Record to go all-electronic

The Record, which is distributed in both print and digital formats, will go entirely digital in January 2010 to improve timely communications to the University community and to reduce printing costs.

The last issue of the print Record will be Dec. 10. The Record will resurface in its all-digital format when classes resume in January.



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It's in the jeans Stephen F. Brauer (left), James M. McKelvey, Ph.D. (center), former dean of the School of Engineering & Applied Science, and Camilla T. Brauer tour the new engineering building on the Danforth Campus Oct. 30. The 150,875-square-foot building will be called Stephen F. and Camilla T. Brauer Hall and is on schedule to be completed by spring 2010. The insulation shown in the walls is shredded blue jeans, one of many features that make the hall a green building. Construction of Brauer Hall, built to be LEED-certified Gold, is below budget, ahead of schedule and should be "furnished, clean and ready for show at Commencement," said Neal Schaeffer, project manager in facilities. By the fall semester 2010, Brauer Hall will be home to the Department of Energy, Environmental & Chemical Engineering and will provide space for the International Center for Advanced Renewable Energy & Sustainability (I-CARES) and the Department of Biomedical Engineering.

Live@EDU undergraduate student e-mail pilot program to begin in January 2010

More than 550 WUSTL undergraduate students will participate in a pilot program beginning in January 2010 to test the University's new student e-mail and online service, Microsoft Live@EDU, said Andrew Ortstadt, associate vice chancellor for information services and technology.

The University selected Live@EDU to provide e-mail, calendar and Web space to a pilot group of students after several months seeking student and staff input. The pilot is a step toward offering students e-mail and online services that are an improvement over the University's current approach, Ortstadt said.

If the pilot is successful, all undergraduate student e-mail will migrate to Live@EDU by summer 2010. Graduate student e-mail services will be evaluated on a school-by-school basis.

Each Live@EDU account includes 10 gigabytes of e-mail storage and 25 gigabytes of file storage, calendaring, instant messaging, built-in social networking integration and Web development space.

Free access to Web versions of Microsoft Office tools such as Word, Excel and PowerPoint is planned for spring 2010. In addition, the Live@EDU address book can be synchronized with University directories, making it easier to find WUSTL e-mail addresses for people without Live@EDU accounts.

Currently, each WUSTL school independently provides e-mail services to students. The features of the different systems vary, and many students have multiple University e-mail accounts.

For more information about this project, e-mail Information Services and Technology at livecomments@wustl.edu.

Tests

Plaques can build 10 years before symptoms
— from Page 1

visuospatial skills and working memory, which assesses the ability to manipulate facts from memory, such as repeating a list of numbers backward.

Declines in episodic memory and working memory became discernible a year before volunteers were diagnosed with Alzheimer's disease. Losses in the composite assessment of cognitive

abilities were detectable two years prior to diagnosis, and visuospatial skills began to decay three years earlier. Galvin said the losses in visuospatial skills were particularly noticeable if testing tasks were timed.

Researchers also analyzed the data using a new model that not only tracks the speed of decline in a mental ability but also the acceleration of the decline. Episodic memory's decline accelerated more slowly than that of both visuospatial skills and working memory, which declined fastest.

The new perspective may allow doctors to detect signs of Alzheimer's earlier, but more in-

formation will be needed to make a firm diagnosis. To make that possible, researchers at the ADRC are trying to take what they've learned in the new study and correlate it with biomarkers, which are physical changes associated with preclinical Alzheimer's disease. These include such tests as scanning the brain for amyloid plaques or analyzing the levels of proteins in the cerebrospinal fluid.

Amyloid brain plaques, a primary characteristic of Alzheimer's disease, can begin building in patients 10 years or more before clinical symptoms become apparent, Galvin said.

Grants

Significant economic impact on region
— from Page 1

- Understanding how current and future global climate change can alter the spread of seeds carried by wind. WUSTL scientists will test a model for wind-driven seed dispersal developed in a large-scale habitat in South Carolina and communicate results with the U.S. Forest Service to aid in conservation efforts.

- Establishing a program that helps guide women in poor, minority communities in north St. Louis County through breast cancer screening and follow-up treatment, if needed. Deaths from breast cancer among minority women in this community are substantially higher than the

national average.

- Evaluating a potential new treatment in patients with type 2 diabetes that is designed to better regulate the release of insulin and maintain healthy glucose levels.

- Determining whether blood transfusions can prevent "silent" strokes in children with severe sickle cell anemia as part of an international clinical trial of the therapy. Over time, the strokes can cause neurological problems and are a potentially fatal complication of the disease.

- Installing an array of seismographs on the islands of Fiji and on the nearby ocean floor to help determine why some earthquakes occur deep below the earth's surface, where the rock should be malleable and not susceptible to fracture. The research may eventually lead to better understanding of volcanoes, island arc systems, earthquakes and other violent geologic events.

The awards have a significant economic impact in the St. Louis region. A recent survey of the economic impact of research grants from the NIH has shown that every dollar of NIH funding to Missouri in 2007 generated \$2.09 of economic activity in the community that received the award.

"By this estimate, the recent stimulus funding to Washington University will generate well over \$200 million in goods and services in our region," said Evan Kharasch, M.D., Ph.D., interim vice chancellor of research. "Moreover, research conducted with stimulus funds furthers our efforts to improve the lives of all people."

Additional stimulus grants will be announced in the coming months. Washington University still has a number of grant applications under review at various federal agencies.

Faculty book colloquium to feature Pulitzer Prize-winner

Pulitzer Prize-winning essayist and literary critic Louis Menand, Ph.D., will present the keynote address for "Celebrating Our Books, Recognizing Our Authors," the University's eighth annual faculty book colloquium, at 4 p.m. Tuesday, Nov. 17, in Graham Chapel.

The colloquium also will feature presentations by two faculty members. William Lowry, Ph.D., professor of political science in Arts & Sciences, is author of "Repairing Paradise: The Restoration of Nature in America's National Parks." Lori Watt, Ph.D., assistant professor of history and of international and area studies, both in Arts & Sciences, is author of "When Empire Comes Home: Repatriation and Reintegration in Postwar Japan."

Organized by the Center for the Humanities in Arts & Sciences and University Libraries, "Celebrating Our Books" is free and open to the public, though seating is limited and R.S.V.P.s are strongly encouraged.

Immediately following the colloquium, a reception and book signing will take place in Holmes Lounge, where faculty books published in the past five years will be on display.

Faculty books also will be displayed and available for purchase in the Campus Store.

Menand is the Anne T. and Robert M. Bass Professor of English at Harvard University and a frequent contributor to *The New Yorker*.

His books include "The Metaphysical Club," winner of the 2002 Pulitzer Prize in History,

which explores the lives of Oliver Wendell Holmes Jr., William James, Charles Sanders Peirce and John Dewey as well as their influence on American thought.

Other books include "American Studies" and "Discovering Modernism: T. S. Eliot and His Context." His most recent volume is "The Marketplace of Ideas: Reform and Resistance in the American University" (with Henry Louis Gates Jr. as series editor), which will be released in December.

Lowry studies American politics, environmental policy and political institutions with a special emphasis on natural resources, public lands and related issues.

He is the author of numerous articles as well as five books, including "Dam Politics: Restoring America's Rivers," "Preserving Public Lands for the Future: The Politics of Intergenerational Goods," "The Capacity for Wonder: Preserving National Parks" and "The Dimensions of Federalism: State Governments and Pollution Control Policies."

Watt's academic interests include decolonization, history and memory, and military cultures.

In particular, her research explores the dismantling of the Japanese empire after World War II and the transition of East Asia from an imperial to a Cold War formation. Current projects include "The Allies and the Ethnic Unmixing of Asia, 1945-1946" and the social history "The 'Ordinary Men' of Japan: the Takada 58th Infantry Regiment."

For more information, call 935-5576 or e-mail cenhum@wustl.edu.

WUSTL police help 'warm-up' St. Louis

The WUSTL Police Department will collect winter coats for disadvantaged St. Louisans to assist the Kurt Warner First Things First Foundation with its annual Warners' Warm-up coat drive.

WUPD will serve as a drop-off point for new and gently used coats from Nov. 16-29.

The police department is located in Lien House on Shepley Drive in the South 40.

To arrange pick-up of coats at offices or departments on campus, call Wendy Oloteo at 935-7698.

For more information on Warners' Warm-up, visit kurtwarner.org.

Food stamps

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Underprivileged: Why American Poverty Affects Us All" was published in 2004 to critical acclaim.

In 2006, the Freshman Reading Program chose "One Nation, Underprivileged" as its selection, and themes from the book were woven in throughout the semester in classes, discussions and on-campus programming.

In addition, Rank has written numerous articles for a variety of journals such as *Social Work*, *American Sociological Review*, *Psychological Science* and *Social Science Quarterly*. He has also provided his expertise to members of the U.S. Senate and House of Representatives as well many national organizations involved in economic and social justice issues.

For a video of Rank discussing poverty and the results of the study, visit news-info.wustl.edu/news/page/normal/15000.html.

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 Washington University in St. Louis

School of Medicine Update

Center seeks to solve unsolvable problems in medicine

By MICHAEL C. PURDY

Eric C. Leuthardt, M.D., assistant professor of neurosurgery, was working with engineers such as Daniel Moran, Ph.D., associate professor of biomedical engineering, to achieve a goal that was formerly the stuff of science fiction: developing implantable technology that lets the human brain "talk" to computers.

A few years ago, they validated their new approach to engineering these interfaces by showing that a patient with a temporary brain implant could use it to control a video game without ever



Leuthardt

touching the game's controls. Leuthardt, also assistant professor of neurobiology and anatomy and of biomedical engineering, realized he was enjoying working with experts from other fields.

"When you bring people from different backgrounds to think about a common problem, what that invariably does is force people to think outside of the box," Leuthardt said. "It's very empowering and in its own way fun and engaging because what was once a source of frustration becomes an opportunity for brainstorming and problem-solving."

To share that feeling of empowerment, Leuthardt established the Center for Innovation in

Neuroscience and Technology (CINT) with support from the Department of Neurosurgery and the School of Engineering & Applied Science.

"CINT is about bringing people together from many different backgrounds, such as medicine, engineering, the sciences, business and law, to maximize our ability to solve formerly unsolvable medical problems," he said.

CINT's programs include quarterly invention sessions that bring faculty together from several medical, engineering and scientific departments to consider challenges and problems in four areas: tumor/vascular, pediatric, spine/orthopedics and functional neurosurgery. The sessions typically involve several physicians and engineering or science faculty and often include one or two representatives from the medical device industry.

CINT also runs a fellowship program that teams faculty from neurosurgery and engineering with students from both areas for three months to work on a problem in neurosurgery. The program had seven fellows and two faculty in its first year; eight fellows and four faculty are participating this year.

"In three months, that fellowship goes from pie-in-the-sky idea to drafted design to actual prototype that you can hold in your hand, and that's an incredibly efficient process," Leuthardt said.

The fellowship is sponsored in part by Stryker Corp., a medical instruments manufacturer based in Kalamazoo, Mich. At the end

of the fellowship, Stryker evaluates the new prototype for feasibility from the perspectives of industrial production and its likelihood for success in the medical instruments market.

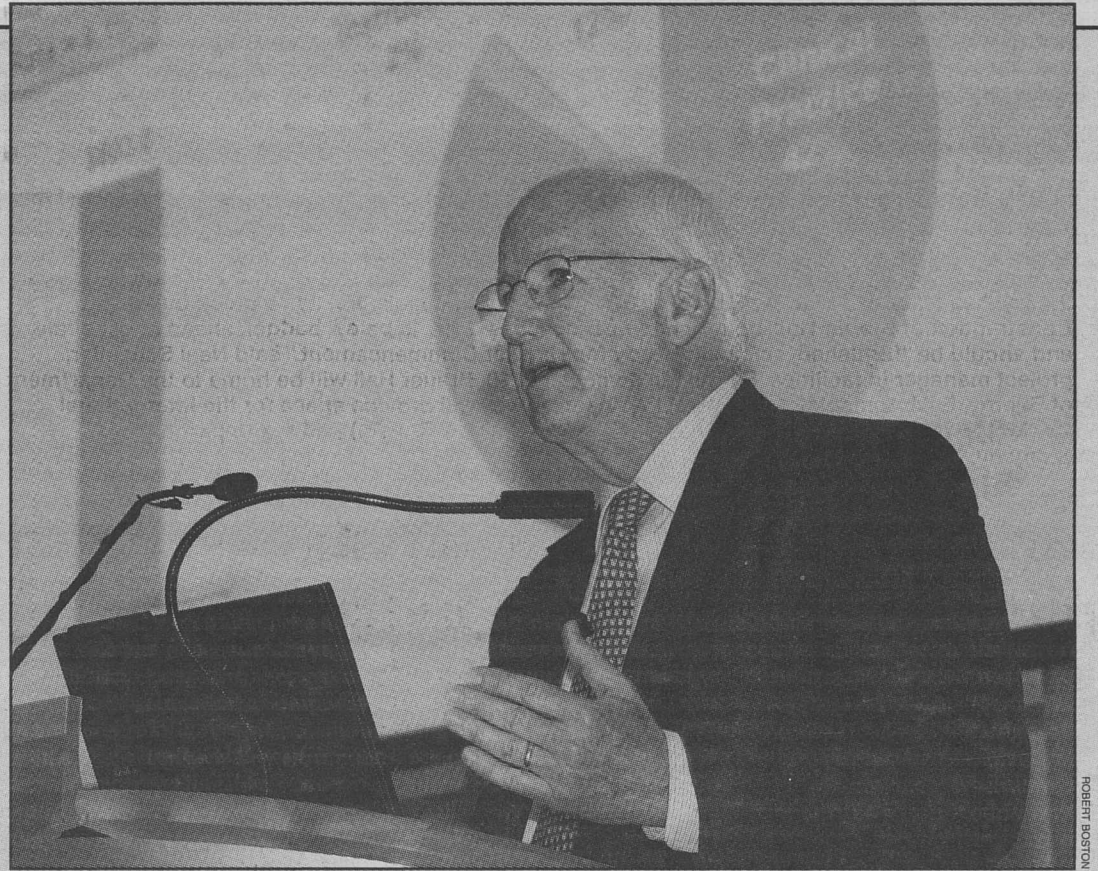
"The students inject an enthusiasm and a happiness and a go-get-'em attitude that makes these projects a lot of fun," Leuthardt said. "Everybody gets

a lot out of it."

At a recent open house, Leuthardt and other CINT faculty members showcased technology developed from the first two years of the fellowship program. These included a new tool that makes it safer for surgeons to move part of the brain out of the way during surgery, a coating for surgical instruments that helps foster bone

growth, and a new device for detecting dangerous build-up of pressure in the brains of pediatric patients with hydrocephalus.

"It was another way to give people from diverse backgrounds opportunities to interact," Leuthardt said. "The more we can get these kinds of people interacting, the better it is for science and technology."



In good health Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, speaks to a standing-room-only crowd at the annual Dean's Update to the School of Medicine Oct. 29 in Connor Auditorium. Shapiro spoke of the School of Medicine's continued No. 1 placing in student selectivity in U.S. News and World Report and of strong revenue from research and clinical services. He also said that School of Medicine researchers have received nearly \$70 million in grants from the American Recovery and Reinvestment Act of 2009.

Meyers named Williamson Chair in Cardiothoracic Surgery

By GWEN ERICSON

Bryan F. Meyers, M.D., has been named the Patrick and Joy Williamson Endowed Chair in Cardiothoracic Surgery at Barnes-Jewish Hospital and the School of Medicine.

The endowed chair was made possible by a gift to the Barnes-Jewish Hospital Foundation from Patrick and Joy Williamson and funds Meyers' clinical research at WUSTL in perpetuity.

"Bryan is a spectacular example of the kind of leader we are blessed to have at Washington University," said Timothy Eberlein, M.D., the Bixby Professor and chairman of the Department of Surgery, the Spencer T. and Ann W. Olin Distinguished Professor and director of the Siteman Cancer Center and surgeon-in-chief at Barnes-Jewish Hospital. "He is a superb technical surgeon and has been a leader in developing new treatment paradigms in thoracic surgery. Even more important, he is one of the most compassionate and caring surgeons we have on our faculty. He has quickly developed into an international star who is uniformly respected by all of his colleagues."

"The contribution Bryan Meyers makes to medicine is far-reaching," said Richard J. Liekweg, president of Barnes-Jewish Hospital. "Patients travel from across the country and the world for care by lung specialists at Barnes-Jewish Hospital, one of the leading lung transplant programs in the nation — not just for our

expertise but for the exceptional care provided by physicians like Dr. Meyers."

The Williamsons gave the gift to honor Meyers and the lung transplant team for performing successful lung transplant surgery on Joy Williamson 12 years ago.

Meyers is professor of surgery and chief of the General Thoracic Surgery section of the Division of Cardiothoracic Surgery and a lung cancer specialist with the Siteman Cancer Center. His clinical activity includes work in thoracic oncology, lung transplantation and benign esophageal diseases including minimally invasive esophageal surgery. He conducts research in lung transplantation, lung reduction surgery and lung cancer surgery.

"The opportunity to become the first recipient of the Williamson Chair is a great honor to me,"

Meyers said. "It's heartening to know that the work I've chosen to do and the areas I've chosen to focus on have made a difference to people."

Recently, Meyers conducted research that found that emphysema patients could benefit from lung reduction on one side only, which makes the life-saving operation available to more patients. He also is working to evaluate the use of radioactive implants combined with surgical removal of small sections of lung to treat stage I lung cancer. He is one of the investigators of a vaccine designed to prevent the recurrence of lung cancer, which now is being tested in centers around the world, including the Siteman Cancer Center.



Meyers

Scans show learning 'sculpts' the brain's connections

By MICHAEL C. PURDY

Spontaneous brain activity formerly thought to be "white noise" measurably changes after a person learns a new task, researchers at the School of Medicine and the University of Chieti, Italy, have shown.

Scientists also report that the degree of change reflects how well subjects have learned to perform the task. Their study was published online in the Proceedings of the National Academy of Sciences.

"Recent studies have shown that in the absence of any overt behavior, and even during sleep or anesthesia, the brain's spontaneous activity is not random, but organized in patterns of correlated activity that occur in anatomically and functionally connected regions," said senior author Maurizio Corbetta, M.D., the Norman J. Stupp Professor of Neurology.

"The reasons behind the spontaneous activity patterns remain mysterious, but we have now shown that learning causes small changes in those patterns, and that these changes are behaviorally important," he said.

At the start of the experiment, Corbetta, two graduate students and his colleagues in Italy used functional connectivity magnetic resonance imaging to scan the spontaneous brain activity of 14 volunteers as they sat quietly.

Next, researchers scanned the subjects as they spent one to two hours a day for five to seven days learning to watch a display inside the MRI scanner for the brief presence of an inverted "T" in a

specific part of the screen. Two sets of brain areas were particularly active during the task: part of the visual cortex that corresponded to the portion of the visual field where subjects were looking for the "T," and areas in the dorsal part of the brain involved in directing attention to the location on the screen.

After the visual training, scientists again scanned the subjects' brains while the subjects did nothing.

When the subjects rested at the start of the experiment, spontaneous activity in the two parts of the brain that are important to the visual task was either not linked or weakly correlated, with the two regions involved in the upcoming task only occasionally being active at the same time. After learning, though, each region was more

likely to be active when the other region wasn't. Subjects who were more successful at the task exhibited a higher degree of this "anti-correlation" between the two regions after learning.

Corbetta suggests this learning-induced change in the brain's spontaneous activity may reflect what he calls a "memory trace" for the new skill. The trace makes it easier to use those parts of the brain together again when the same challenge recurs.

In addition to helping "grease" anatomical connections between different brain regions, Corbetta speculated that the changes in spontaneous brain activity may maintain a record of prior experience that constrains the way the same circuitries are recruited at the time of a task.

"This suggests that disruption of spontaneous correlated activity may be a common mechanism through which brain function abnormalities manifest in a number of neurological, psychiatric or developmental conditions," he said.



Corbetta

Join Great American Smokeout events Nov. 19 at medical school

Join the Great American Smokeout from 11 a.m.-1 p.m. Nov. 19 in the first-floor lobby of the Farrell Learning and Teaching Center and in the Schoenberg Lobby in the Center for Advanced Medicine.

Representatives will be on hand to provide literature about smoking cessation resources from the American Lung Association and the American Heart Association as well as upcoming smoking cessation classes at the School of Medicine. In addition, faculty and staff may complete a three-question survey. Those who complete the survey will receive a retractable badge reel and will be entered into a drawing for a turkey.

University Events

PAD presents pitch-black comedy 'Pillowman' Nov. 19-22

By LIAM OTTEN

There are good parents and there are bad parents, and then there are the outrageously horrible parents of Katurian K. Katurian, the writer at the center of Martin McDonagh's macabre, pitch-black comedy "The Pillowman."

This month, the Performing Arts Department (PAD) in Arts & Sciences will present "The Pillowman" — winner of the 2004 Olivier Award for Best New Play — in the A.E. Hotchner Studio Theatre.

Performances begin at 8 p.m. Nov. 19, 20 and 21; and at 2 p.m. Nov. 21 and 22.

Set amidst a Kafkaesque police state, "The Pillowman" opens in a stark interrogation room, where the adult Katurian — a slaughterhouse worker beginning to find recognition as a writer of gruesome fairy tales — sits blindfolded, his brother Michal in the adjoining room.

Their interrogators, the outrageously profane good-cop-bad-cop duo of Tupolski and Ariel, suspect that Katurian's stories may not be entirely fiction. In fact, they bear remarkable resemblance to a series of grisly child murders that the detectives are currently investigating.

"This is not an easy play," said Annamaria Pileggi, senior lecturer in drama, who directs the cast of seven. "It's extraordinarily dark, the language is very dense, and there's a fairly high level of

violence — it's grimmer than Grimms.

"And yet, 'The Pillowman' is also hysterically funny," Pileggi said. "Tupolski and Ariel are sarcastic and patronizing and say outlandish things that almost make you feel uncomfortable for laughing. You find yourself laughing, and then look around to make sure everyone else is, too."

Much of the play unfolds through Katurian's stories and flashbacks, which are narrated and acted out onstage. Of particular importance is the tale "The Writer and The Writer's Brother," a semi-autobiographical account of Katurian's traumatic childhood.

Recognizing his budding talent, Katurian's parents devise a twisted experiment, showering him with love and affection while Michal — of whose existence Katurian is kept unaware — is locked in the next room, chained to his bed. For seven years, the only connection between the brothers are the sounds of Michal's torments echoing through the walls.

"In the story, Michal dies, but when Katurian finally breaks down the door, Michal is holding his own story, which is better than anything Katurian has ever written," Pileggi said. "But that's just in the story. Onstage, Katurian finishes reading and then says, 'Now, here's how the real story goes...'"

"I think McDonagh is basically exploring the nature of live theater," Pileggi said. "And he's put-

ting things on stage that frankly just aren't put on stage. In a way, he plays both ends against the middle: He wants a certain stylized theatricality, but he also wants a level of realism to the violence. He wants it to be upsetting.

"McDonagh is also challenging our notions about good and evil and about the nature and purpose of art," Pileggi said. "How far you can push the envelope, without pushing too far?"

"Just because you don't like something — because it's gruesome or profane or for whatever reason — does that mean its not art?"

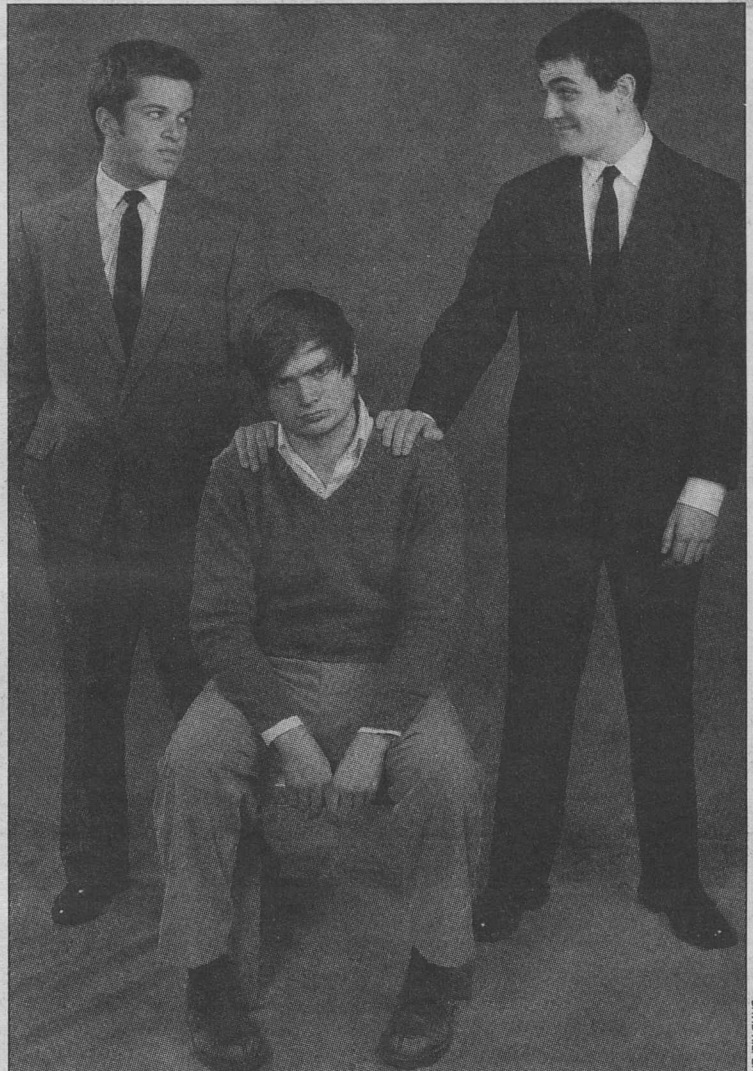
The cast is led by sophomore John Ganiard as Katurian and junior Dan Tobin as Michal. Sophomore Max Risman and senior Ben Walsh play Tupolski and Ariel, the good-cop-bad-cop interrogators.

Senior Ginny Page and junior Jonathan Emden play three sets of parents, including Katurian's. Freshman Melissa Freilich plays children in two of Katurian's stories.

Sets designs are by Sean Savoie, lecturer in the PAD. Costumes are by Ellen Minch. Lighting and sound are by Jonathan Lebovic and Adina Talve-Goodman. Mark Rubinstein is special effects supervisor.

Tickets — \$10 for students, faculty, staff and seniors and \$15 for the public — are available through the Edison Theatre Box Office and all MetroTix outlets.

For more information, call 935-6543.



Sophomore John Ganiard (center) plays Katurian, the writer at the center of "The Pillowman," opening at the A.E. Hotchner Studio Theatre Nov. 19. Senior Ben Walsh (left) and sophomore Max Risman play his good-cop-bad-cop interrogators.

Three Monkeys • Contemporary Study Abroad • Music of Persia

"University Events" lists a portion of the activities taking place Nov. 12-25 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (news-info.wustl.edu/calendars) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

"Chance Aesthetics." Through Jan. 4. Kemper Art Museum. 935-4523.

"Metabolic City." Through Jan. 4. Kemper Art Museum. 935-4523.

Films

Thursday, Nov. 12

7 p.m. Japanese Film Series. "Shall We Dance?" McMillan Hall, Rm. 149. 935-5110.

Monday, Nov. 16

7 p.m. Asian and Near Eastern Languages & Literatures Middle East-North Africa Film Series. "Uc Maymun (Three Monkeys)." (Discussion to follow.) Seigle Hall, Rm. L006. 935-5110.

Thursday, Nov. 19

6:30-9 p.m. Center for the Study of Ethics & Human Values Film. "Passing Poston — An American Story." (Panel discussion follows.) Part of "Ethnic Profiling: A Challenge to Democracy" series. Co-sponsored by the Kathryn M. Buder Center for American Indian Studies. Brown Hall Lounge. For information: humanvalues.wustl.edu.

7 p.m. Korean Film Series. "A Shark." Kim Dong-hyun, dir. Seigle Hall, Rm. L004. 935-5110.

Lectures

Thursday, Nov. 12

Noon. Genetics Seminar. Sharon L.R. Kardia, prof. of epidemiology, U. of Mich. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Chemistry Seminar. "Systematic Approaches for Engineering Molecule-Based Magnetic and Photo-Responsive Materials." Stephen Holmes, prof., U. of Mo.-St. Louis. McMillan Lab., Rm. 311. 935-6530.

4 p.m. Developmental Biology Lecture. Annual Oliver H. Lowry Lecture. "MicroRNA Control of Cardiovascular Development and Disease." Eric N. Olson, chair in science, Southwestern Medical Center. Farrell Learning & Teaching Center, Connor Aud. 362-0198.

4:15 p.m. Earth & Planetary Sciences Colloquium. Paul Schenk, staff scientist, Lunar & Planetary Inst. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

4:30 p.m. Germanic Languages & Literatures Foreign Language Learning Colloquium Series. "Language Learning in Contemporary Study Abroad." Celeste Kinginger, assoc. prof. of applied linguistics & French, Penn. State U. Co-sponsored by depts. of Asian and Near Eastern Languages & Literatures, Romance Languages & Literatures and Psychology, the Teaching Center and the Dean of the Faculty of Arts & Sciences. Busch Hall, Rm. 100. 935-5110.

Friday, Nov. 13

9 a.m. Germanic Languages & Literatures Foreign Language Learning Colloquium Series. "How Languages are Learned in

Study Abroad." Celeste Kinginger, assoc. prof. of applied linguistics & French, Penn. State U. Co-sponsored by depts. of Asian and Near Eastern Languages & Literatures, Romance Languages & Literatures and Psychology, the Teaching Center and the Dean of the Faculty of Arts & Sciences. Busch Hall, Rm. 18. 935-5110.

9:15 a.m. Pediatric Grand Rounds. "Rethinking Brain Tumors: Lessons From Mouse Models." David Gutmann, prof. of neurology. Clopton Aud., 4950 Children's Place. 454-6006.

11 a.m. Computer Science & Engineering Colloquium. "Gradient-Descent Methods for Temporal-Difference Learning: Active

Learning in Regression Over Finite Domains." Csaba Szepesvari, assoc. prof. of computing science, U. of Alberta, Canada. Cupples II Hall, Rm. 217. 935-6160.

11 a.m. Energy, Environmental and Chemical Engineering Seminar Series. "Where Do Cloud Condensation Nuclei Come From?" Peter Adams, assoc. prof. of civil & environmental engineering, Carnegie Mellon U. Lopata Hall, Rm. 101. 935-5548.

Noon. Cell Biology & Physiology Lecture. "Animating the Transport Cycle: The Role of Protein Dynamics in Multidrug Resistance Activity of EmrE." Katherine A. Henzler-Wildman, asst. prof. of biochemistry and molecular biophysics. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

7 p.m. Center for the Study of Ethics & Human Values Panel Discussion. "Is America Really Post-Racial?" Part of "Ethnic Profiling: A Challenge to Democracy" series. Co-sponsored by Skandalaris Center for Entrepreneurship, African and African American studies, Mo. History Museum, Student Union, campusprogress.org and the Jamestown Project. Danforth University Center, Tisch Commons. For information: humanvalues.wustl.edu.

Monday, Nov. 16

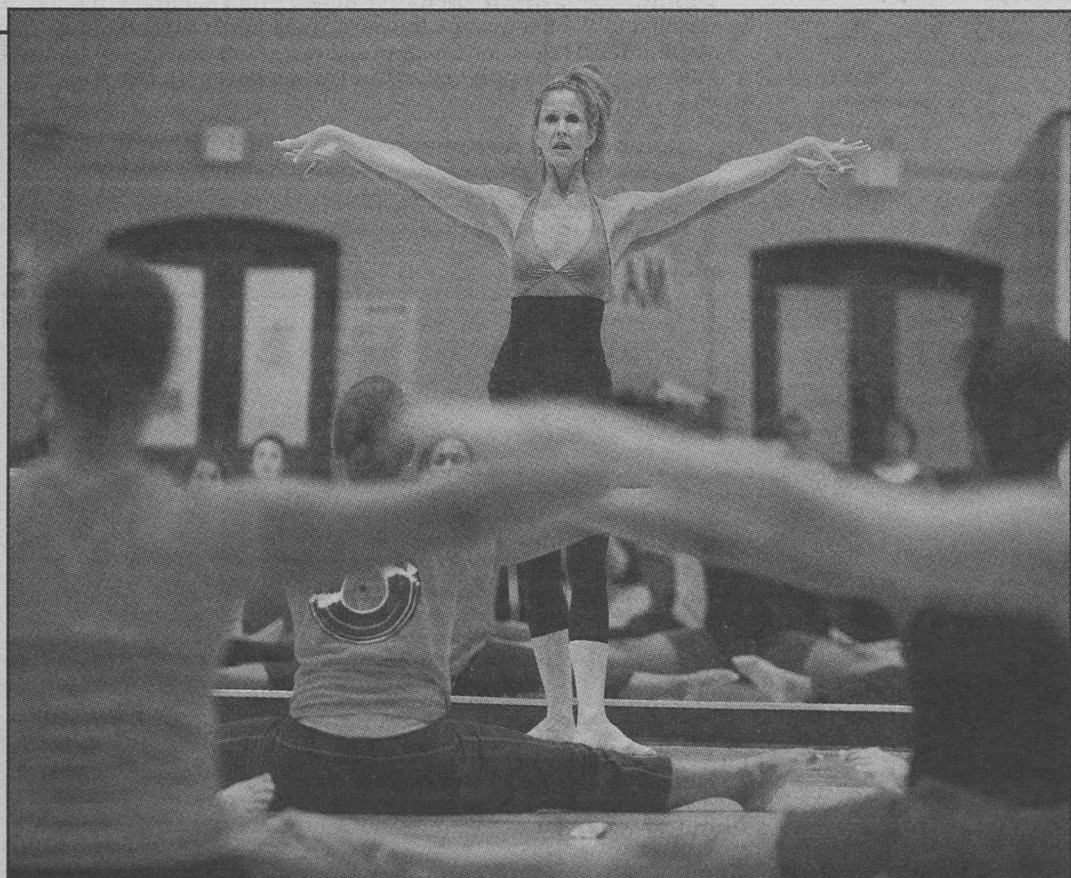
Noon. Work, Families and Public Policy Brown Bag Seminar Series. "Understanding the Sources of and Solutions to Human Inequality." James Heckman, research assoc. in economics, U. of Chicago. Co-sponsored by the Dept. of Economics. Anheuser-Busch Hall, Bryan Cave Moot Courtroom. 935-4918.

2:30 p.m. Energy, Environmental and Chemical Engineering Seminar Series. "Genome Engineering for Sustainable Biofuels." Ryan Gill, managing dir., Colo. Center for Biorefining and Biofuels. Co-sponsored by I-CARES. Cupples II Hall, Rm. 200. 935-5548.

4 p.m. Genetics Seminar. Annual Donald C. Shreffler Memorial Lecture. "The Etiology of Type 1 Diabetes." John Todd, principal investigator, Cambridge Inst. for Medical Research, U.K. Co-sponsored by the Dept. of Pathology & Immunology. Moore Aud. 362-2139.

Tuesday, Nov. 17

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Metabolomic Analysis of Human Cytomegalovirus Infected Cells: Origin of the Cytoplasmic Assembly Zone." Thomas Shenk, prof. in the life sciences, Princeton



Making the most of a visit to WUSTL Dancer and choreographer Lynn Lesniak Needle, a former soloist with Nikolais Dance Theatre in New York, leads a master class in modern dance for the Performing Arts Department in Arts & Sciences in the Ann W. Olin Women's Building Oct. 23. Needle, an adjunct professor of modern dance at Bergen Community College in Paramus, N.J., is married to WUSTL alumnus Mark Needle (BSBA '77). The Needles were in St. Louis for Parents' Weekend to visit their son, Max Needle, a freshman in Olin Business School.

Roger Rees brings one-man show on Shakespeare to Edison

BY LIAM OTTEN

Olivier Award- and Tony Award-winning actor Roger Rees is best known to American audiences for his work on the small screen — as the dashing English tycoon Robin Colcord on “Cheers,” as British Ambassador Lord John Marbury on “The West Wing” and, most recently, as Dr. Colin Marlow on “Grey’s Anatomy.”

At 8 p.m. Nov. 20 at Edison Theatre, Rees, a 22-year veteran of the Royal Shakespeare Company (RSC), will return to the stage with “What You Will,” a side-splitting one-man-show that combines the Bard’s greatest soliloquies with colorful observations about the acting life and offbeat (and occasionally bawdy) tales of theatrical disaster.

This special one-night-only performance is presented as part of the Edison Theatre OVATIONS Series.

Offering an actor’s-eye-view of the pleasures and challenges of performing the Bard, “What You Will” draws on a wealth of theatrical lore as well as on Rees’ own extensive Shakespearean repertoire (he currently holds the

Stratford-Upon-Avon record for performances of “Hamlet,” with 150).

The worst thing about the “To be or not to be” soliloquy, Rees quips, is that the audience already knows everything you’re going to say. Perhaps the most difficult line to deliver appears in Macbeth, when Malcolm, told of his father’s murder, too-calmly asks, “Bey whom?”



Rees

Meanwhile, Rees reports that, according to his friend Dame Judi Dench, the best moment in playing Juliet is “the nanosecond when they offer you the part.” Other stories range from Rees’ dinner with Sir Laurence Olivier to historical anecdotes about earlier Shakespearean actors, including Edmund Kean’s lascivious preshow appetites and David Garrick’s 18th-century special-effects wig.

Rees punctures the romantic hagiography that has grown up around the Bard, comparing the

da-DUM da-DUM da-DUM beat of iambic pentameter to the CNN news ticker and pointing out similarities between Romeo’s “what light through yonder window” speech and Stevie Wonder’s “You Are the Sunshine of My Life.”

Reese also recounts stories about Shakespeare by other writers, including James Thurber and Charles Dickens, and defends him from literary attack by D.H. Lawrence and Voltaire, the latter of whom charged that the plays constitute “an enormous dunghill, appreciated only in London and Canada.”

Conversely, Rees fends off clueless chatroom students who complain about “Islamic pentameter” and “wish Shakespeare was dead.” Mixed with it all are Rees’ own virtuoso recitals of famous scenes, such as Macbeth’s chilling dagger vision and Henry V’s rousing “muse of fire” speech.

“Roger Rees may be alone for the duration of ‘What You Will,’ but he brings with him 400 years’ worth of English history and literary criticism as well as some of Shakespeare’s most beautiful verse,” wrote the San

Francisco Examiner. The Washington Post added that Rees “conveys each character with the combination of technique and magnetism that has distinguished the RSC actors of his generation.”

Born in Wales, Rees was raised in London and originally studied painting and lithography at the famed Slade School of Fine Arts. He worked for a time as a scene painter before joining the RSC in 1968 with his friend Ben Kingsley. At first, he played a series of servants, soldiers and other minor roles but eventually graduated to more substantial parts, including Roderigo in “Othello,” Claudio in “Much Ado About Nothing” and finally, “Hamlet.”

Rees’ big break came in 1980 when, at age 36, he starred in the RSC’s epic, two-part “The Life and Adventures of Nicholas Nickleby,” winning both Olivier and Tony awards. He made his big-screen debut in 1983 with “Star 80,” and has since been featured in dozens of films, ranging from “Frida,” “The Prestige” and “A Midsummer Night’s Dream” to comic turns in “The Pink Panther” and “Robin Hood: Men in Tights.”

In 1992, he was nominated for an OBIE Award for his performance in “The End of the Day” and, in 1995, received a Tony best actor nomination for “Indiscretions.”

Rees developed “What You Will” in 2007 for the Folger Theatre in Washington, D.C., though the show’s true provenance is much older. During his tenure with the RSC, he crafted similar informal evenings with Dench and her husband, Michael Williams, and later created the show “Sons and Mothers” with Virginia McKenna, who had played Gertrude to his Hamlet. Other one-man shows have focused on Dickens, Thomas Hood and the King James version of the Book of Revelations. He also co-wrote, with Rick Elice, the hit comedy thriller “Double, Double,” which ran for a year in London’s West End.

Tickets — \$20 for students and children; \$28 for faculty, staff and seniors; and \$32 for the public — are available at the Edison Theatre Box Office and through all MetroTix outlets.

For more information, call 935-6543 or e-mail edison@wustl.edu.

U. Cori Aud., 4565 McKinley Ave. 362-7367.
5 p.m. Freedom From Smoking Class. “Quit Day.” Center for Advanced Medicine, Barnard Health and Cancer Info. Center. To register: 362-7844.
6 p.m. Women’s Society Panel Discussion. “Composing a Life.” (Includes appetizers and a networking reception.) Whitaker Hall Aud. & Atrium. To R.S.V.P.: womensociety.wustl.edu/composingalife.

Wednesday, Nov. 18

Noon. Mallinckrodt Institute of Radiology Lecture. Annual Wendell G. Scott Memorial Lecture. “Healthcare ‘Insurance’ Reform.” William A. Peck, prof. of medicine. Scarpellino Aud., 510 S. Kingshighway Blvd. 362-2866.
3:30 p.m. History Colloquium. “Honey, I’m Going to See a Magistrate: Rethinking Women’s Political Action in the Nineteenth Century South.” Laura Edwards, prof. of history, Duke U. (Reception follows.) Co-sponsored by women, gender and sexuality studies. Busch Hall, Rm. 18. 935-5450.
4 p.m. Siteman Cancer Center Breast Cancer Research Group Seminar Series. “Breast Cancer in Asian-American Women.” Anna H. Wu, prof. of preventive medicine, Norris Comprehensive Cancer Center. Center for Advanced Medicine, Farrell Conference Rm. 1. 454-8981.
5 p.m. Kemper Art Museum Gallery Talk. “Ellsworth Kelly and Chance Aesthetics.” Tricia Y. Paik, asst. curator, Saint Louis Art Museum. Kemper Art Museum. 935-4523.
5 p.m. School of Medicine Lecture. “Update on 2009 Influenza Pandemic.” Alexander Garza, chief medical officer, U.S. Dept. of Homeland Security. Farrell Learning & Teaching Center, Connor Aud. 362-2820.

Thursday, Nov. 19

9 a.m.-4:30 p.m. GIS Symposium. (Includes poster session & technical workshops.) Whitaker Hall Aud. Registration required: gis.wustl.edu.
Noon. Genetics Seminar. “Modeling the Systems Biology of Complex Traits in the Post-GWAS Era.” Yves A. Lussier, assoc. prof. of genetic medicine, U. of Chicago. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.
4 p.m. Office of Technology Management Technology Commercialization Seminar Series. “Understanding Translational Research and Funding Opportunities.” Farrell Learning and Teaching Center, Connor Aud. 747-0908.
4 p.m. Vision Science Seminar Series. “Damaged Input to Visual Area V1 as the Cause of Crossed-Eyes in Infant Human and Monkey.” Lawrence Tychsens, prof. of ophthalmology. Maternity Bldg., Rm. 725. 362-3315.
4:15 p.m. Earth & Planetary Sciences Colloquium. Bethany Ehlmann, Ph.D. candidate in geological sciences, Brown U. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.
5 p.m. Freedom From Smoking Class. “Recovery and Support.” Center for Advanced Medicine, Barnard Health and Cancer Info. Center. To register: 362-7844.

Friday, Nov. 20

9:15 a.m. Pediatric Grand Rounds. “Fetal Anomalies Amenable to Therapy.” Anthony Odibo, assoc. prof. of obstetrics and

How to submit 'University Events'

Submit “University Events” items to Angela Hall of the Record staff via:

e-mail — recordcalendar@wustl.edu
campus mail — Campus Box 1070
fax — 935-4259

Upon request, forms for submitting events will be e-mailed, mailed or faxed to departments to be filled out and returned. Deadline for submissions is noon the Thursday prior to publication date.

gynecology. Clopton Aud., 4950 Children’s Place. 454-6006.
11 a.m. Energy, Environmental and Chemical Engineering Seminar Series. Hai Wang, prof. of aerospace and mechanical engineering, U. of Southern Calif. Lopata Hall, Rm. 101. 935-5548.
Noon. Cell Biology & Physiology Lecture. “Biology Without Bias: New Tools for Probing Biological Systems.” Jonathan S. Weissman, prof. of cellular and molecular pharmacology, U. of Calif., San Francisco. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.
4 p.m. Dept. of Music Lecture Series. “Ancient Instruments and Music of Persia.” Fardin Karamkhani, luthier, Karamkhani Instruments. Music Classroom Bldg., Rm. 102. 935-5566.

Monday, Nov. 23

4 p.m. Immunology Research Seminar Series. Andrey Shaw, prof. of immunobiology, Farrell Learning & Teaching Center, Connor Aud. 362-2763.

Tuesday, Nov. 24

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. “Isoprenoid Biosynthesis is Required for Erythrocytic Schizogony in *Plasmodium Falciparum* Malaria.” Audrey Odom, instructor in pediatrics, Cori Aud., 4565 McKinley Ave. 362-1514.
5 p.m. Freedom From Smoking Class. “Stress Management and Weight Control.” Center for Advanced Medicine, Barnard Health and Cancer Info. Center. To register: 362-7844.

Music

Thursday, Nov. 12

7:30 p.m. Rhythms for Rebuilding Charity A Capella Concert. Sponsored by the Gephardt Inst. for Public Service. Cost: \$8, \$5 for students. Graham Chapel. 935-1728.

8 p.m. Jazz at Holmes. Miles Davis tribute featuring selections from “In a Silent Way” and “Petit Machins.” Ridgley Hall, Holmes Lounge. 862-0274.



Dancing the night away Freshmen (from left to right) Katie Sullivan, Kristelle Aisaka, Sophie Goloff and Rachel Luangdilok participate in the St. Louis Area Dance Marathon, the annual 12-hour fund-raiser for Children’s Miracle Network, Nov. 7 in the Athletic Complex. More than 1,000 people took part in the event, which lasted from 3 p.m. Nov. 7 to 3 a.m. Nov. 8. Over the past 10 years, the event has helped raise more than \$800,000 for Children’s Miracle Network of Greater St. Louis, which supports St. Louis Children’s Hospital and SSM Cardinal Glennon Children’s Medical Center.

Friday, Nov. 20

8 p.m. Concert. Danforth University Center Chamber Music Series. Trombones of the Saint Louis Symphony. Danforth University Center, Tisch Commons. 935-5566.

Saturday, Nov. 21

4 p.m. Concert. Chamber Winds. Danforth University Center, Tisch Commons. 935-5566.

Sunday, Nov. 22

3 p.m. Concert. Symphony Orchestra. Featuring music for the actress Sarah Bernhardt. E. Desmond Lee Concert Hall, 560 Trinity Ave. 935-5566.

Sports

Sunday, Nov. 15

1 p.m. Women’s Basketball vs. Augustana College. Athletic Complex. 935-4705.
3 p.m. Men’s Basketball vs. MacMurray College. Athletic Complex. 935-4705.

Saturday, Nov. 21

10 a.m. Swimming and Diving. WU Thanksgiving Invitational. (Continues 10 a.m. Nov. 22.) Athletic Complex. 935-4705.

On Stage

Saturday, Nov. 14

8 p.m. OVATIONS Series. “Remember Me.” Parsons Dance Company with East Village Opera Company. (Also 2 p.m. Nov. 15.) Cost: \$32, \$28 for seniors, WUSTL faculty & staff, \$20 for students & children. Edison Theatre. 935-6543.

Thursday, Nov. 19

8 p.m. Performing Arts Dept. Presentation. “The Pillowman.” (Also 8 p.m. Nov. 20 and 21; 2 p.m. Nov. 21 and 22.) Cost: \$15, \$10 for students, seniors, faculty and staff. A.E. Hotchner Studio Theatre. 935-6543.

Friday, Nov. 20

8 p.m. OVATIONS Series. “What You Will.” Roger Rees. Cost: \$32, \$28 for seniors, WUSTL faculty & staff, \$20 for students & children. Edison Theatre. 935-6543.

And More

Tuesday, Nov. 17

9:30 a.m. Research Administrator Forum. Danforth University Center, Rm. 276. 747-5574.

4 p.m. Faculty Book Colloquium. Lewis Menand, prof. of English, Harvard U. Graham Chapel. To R.S.V.P.: 935-5576.

Thursday, Nov. 19

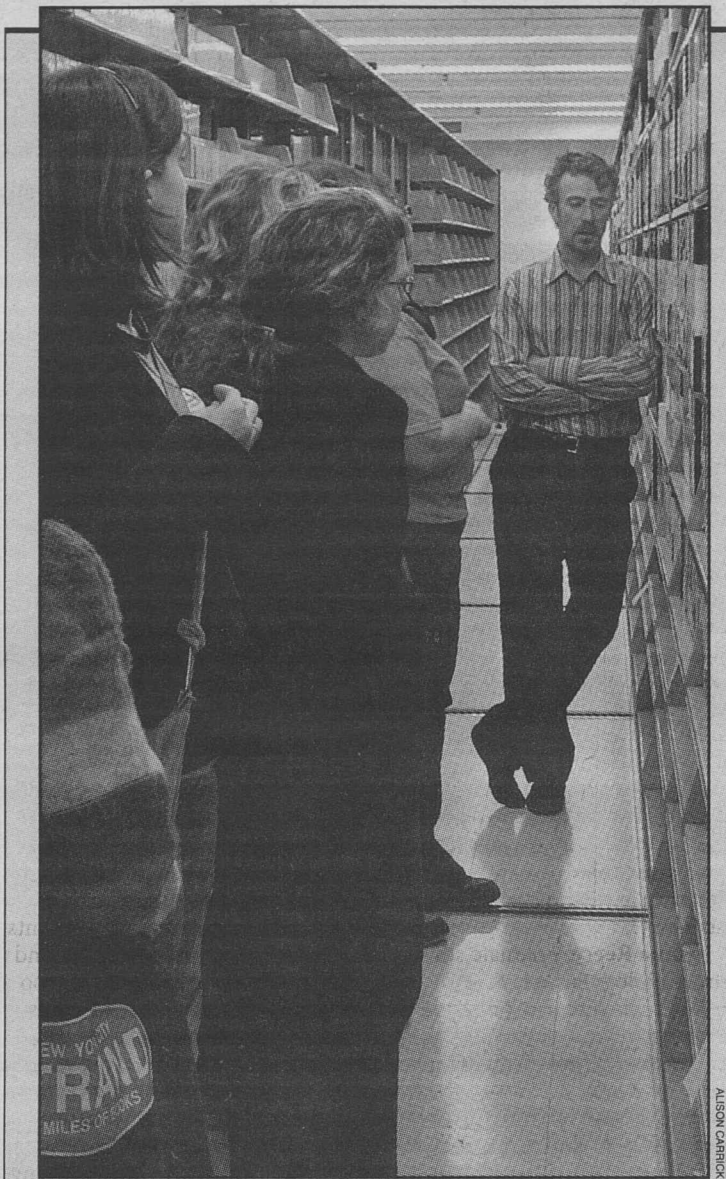
8:30 a.m.-5 p.m. Urban Conference. “America’s Urban Infrastructure: Confronting Her Challenges, Embracing Her Opportunities.” (Also 8:30 a.m.-5 p.m. Nov. 20.) Co-sponsored by the Center for Regional Competitiveness in Science and Technology and eight other University organizations. Danforth University Center, Rm. 276. 935-6730.

11 a.m.-1 p.m. Great American Smokeout. Farrell Learning and Teaching Center and Center for Advanced Medicine, Schoenberg Lobby. 362-7196.

7-11 p.m. Film and Media Studies. Cinematography Workshop. Barry Braverman, cinematographer. Eads Hall, Rm. 013. 935-4056.

Green Your Office

Remind your office residents what they can and cannot recycle.



Between the stacks WUSTL film archivist David Rowntree (right) speaks to students from New York University's Moving Image Archivists Program as they tour the WUSTL Film & Media Archive's climate-controlled vault at the West Campus Library. The students visited WUSTL Nov. 4 as part of the 2009 Association of Moving Image Archivists Conference in St. Louis Nov. 4-7. Washington University Libraries' Film & Media Archive hosted preconference workshops Nov. 3 at Olin Library. WUSTL's Nadia Ghased, film and media cataloging and preservation archivist; Tim Lepczyk, metadata librarian; and Cassandra Stokes, digital projects librarian; presented at a workshop on XML.

Urban America focus of conference at WUSTL

By NEIL SCHOENHERR

Washington University will host a national conference on "America's Urban Infrastructure: Confronting Her Challenges, Embracing Her Opportunities" Nov. 19 and 20 in the Danforth University Center.

The event, hosted by a consortium of nine WUSTL schools, departments, centers and programs, is free and open to the public.

"The conference is organized to bring together leading scholars and leaders who offer important insights into the infrastructure supporting the human condition in urban America," said William F. Tate, Ph.D., the Edward Mallinckrodt Distinguished University Professor in Arts & Sciences.

"Urban environments are not only, or even primarily, the sites of problems but are a storehouse of assets whose potential is not always realized.

"These assets include a rich diversity of people and cultures, a history of technological and environmental innovation and local political and economic activities that maintain community even in extremely difficult circumstances," Tate said.

Confirmed participants include an interdisciplinary group of noted social scientists, legal scholars and humanists who have compiled significant research on various dimensions of America's urban infrastructure from the disciplines of sociology, psychology, medicine, education, economics and law,

among others.

"Conference participants will have the unique opportunity to hear from thought leaders about both the assets and challenges in our nation's urban communities," Tate said.

The conference is being sponsored by the Center for Regional Competitiveness in Science and Technology in Arts & Sciences; the Center on Urban Research & Public Policy in Arts & Sciences; the African & African American Studies Program in Arts & Sciences; the Office of Diversity Programs; the School of Medicine; the Center for the Humanities in Arts & Sciences; the Department of Education in Arts & Sciences; the School of Law; the George Warren Brown School of Social Work; and the Office of Diversity Initiatives.

Opening remarks will be made at 9 a.m. Nov. 19 by Tate and by Gary S. Wihl, Ph.D., dean of the faculty of Arts & Sciences and the Hortense & Tobias Lewin Distinguished Professor in the Humanities.

The conference will include such topics as "Welfare Reform's Impact on the Inner City Ghetto"; "Race, Risk and Resilience in the Health Development of African American Youth"; "Restructuring Education in America"; and "Undocumented Children in U.S. Schools: Deeper into the Shadows."

For more information, including a full list of presenters and their topics, visit arts.wustl.edu/~educ/edu_calendar.htm.

Sixth annual GIS symposium Nov. 19

In the summer of 1854, 127 people in or near Broad Street in the Solo district of London died of cholera. By talking to the residents of the area, the British physician John Snow identified the source of the outbreak as the public water pump on Broad Street.

Snow's spot map showing how deaths were clustered in the houses near the pump is a classic of epidemiology — and of mapmaking, said Aaron Addison, University Geographic Information Systems (GIS) coordinator.

"He had the philosophy that place is important," Addison said.

The sixth annual GIS symposium, which takes place this year from 9 a.m.-4:30 p.m. Nov. 19 in Whitaker Hall Auditorium, will feature 21st-century versions of Snow's maps.

They are especially relevant today as scientists look to maps to figure out trends and insights into the H1N1 and West Nile pandemics. One session will feature two School of Medicine scientists, Alexis M. Elward, M.D., assistant professor of pediatrics, and

Min Lian, M.D., Ph.D., research instructor in epidemiology and medicine, describing how they were able to use GIS to gain insight into the recent pandemics.

Participants will have the opportunity to attend workshops that will provide instructions in ArcGIS, the GIS software the University licenses, and learn how to access and map online data.

The University also will announce the creation of a Certificate in GIS program at the symposium. More information about the certificate can be found at ucollege.wustl.edu/gis.

Addison said the usage of GIS at the University climbs every year, although the interest is greater now in the areas of education and the humanities in Arts & Sciences and in the George Warren Brown School of Social Work, where GIS still has buzz, than in the sciences where it has matured and is part of accepted methods.

The symposium is free but registration is required. For information and to register, visit gis.wustl.edu or call Bill Winston at 935-8426.

Panel to discuss choices for women Nov. 17

Women undergraduate and graduate students can discuss post-graduation choices and how to attain a successful, fulfilling life at "Composing a Life" from 6-8 p.m. Nov. 17 in the Whitaker Hall Auditorium.

The discussion, hosted by the Women's Society of Washington University, will feature five women with career experience in an array of fields from graphic design to law to nonprofit. The women will discuss how they combined careers, personal lives and other interests to create a balanced life after joining the "real world."

The panelists are:

- **Cheree Berry**, founder and owner of Cheree Berry Paper. Berry was a designer with several companies in New York City after college, including Kate Spade. She earned a bachelor of fine arts degree in graphic design from WUSTL.

- **Rashda (Sonny) Buttar**, J.D., vice president and associate general counsel at Patriot Coal Corp. Buttar also serves as vice president of the Board of Education for the Clayton School District. Before

joining Patriot Coal, she was an attorney in Chicago.

- **Cynthia Kramer**, director of SCOPE (Science and Citizens Organized for Purpose and Exploration). Kramer was a candidate for state representative with strong bipartisan support in 2006. She also was director at the Social Justice Institute at WUSTL's Hillel.

- **Rachel Lockhart-Korris**, coordinator for St. Louis Social Venture Partners. Lockhart-Korris was a Teach for America-St. Louis corps member in 2005 and is a graduate of Boston University with a degree in political science.

- **Michelle McMahan**, director-business leadership of the Wellness Division, Momentum Worldwide. McMahan is a graduate of WUSTL and was head of account service at a startup agency, which closed early in her career.

The event also will feature appetizers and a networking reception.

To R.S.V.P., visit womensociety.wustl.edu/composingalife.

For more information, call 935-7337.

Sports

Football wins Founders Cup

Junior running back Jim O'Brien ran for a career-high 163 yards and three touchdowns as the football team rallied for a 44-37 victory over the University of Chicago Nov. 7.

With the victory, the Bears regained possession of the Founders Cup, which commemorates the first football game played between the two University Athletic Association (UAA) schools. Since the inception of the Founders Cup in 1987, WUSTL has won 17 of the past 23 games.

Prior to the game, WUSTL (4-5, 1-1 UAA) honored its 15 seniors who played their final regular-season home game.

WUSTL closes out the 2009 season Saturday, Nov. 14, at No. 9-ranked Case Western Reserve University.

Women's hoops tops Division I opponent

Senior forward Zoe Unruh scored 21 points and ignited a 19-5 run late in the second half as the women's basketball team posted a 84-74 exhibition game victory at Division I Southern Illinois University Carbondale Nov. 7.

Unruh, who was limited to five points in the first half, scored 16 points in the second half on 6-of-11 shooting from the field with four three-pointers. Junior guard Alex Hoover added 18 points and four assists on 11-of-12 shooting from the foul line, while her younger sister Dani Hoover added 12 second-half points.

The Bears shot a sizzling 59.3 percent from the field in the second half while connecting on 5-of-8 from three-point range.

The Bears begin their 31st season of intercollegiate play at

1 p.m. Sunday, Nov. 15, hosting Augustana College at the WU Field House. Following the game, the men's basketball team also opens its season at 3 p.m. Sunday against MacMurray College.

Volleyball falls in UAA championship match

The No. 3 volleyball team fell short in its bid to repeat as University Athletic Association (UAA) champions, falling 3-0 to Emory University in the championship match Nov. 7.

The Bears advanced to the UAA title match with 3-0 wins over the University of Rochester and Case Western Reserve University Nov. 6 and another sweep over New York University Nov. 7. However, WUSTL struggled offensively against Emory in the championship game, hitting just .150 as a team.

Sophomore middle hitter Lauren Budde led WUSTL over the weekend, tallying 51 kills and 40 digs in the four matches.

Earlier in the week, WUSTL was selected as a regional host for the 2009 NCAA Division III championship tournament. The Bears will welcome seven other schools to the WU Field House for the regional tournament beginning Thursday, Nov. 12.

The winner will advance to the NCAA quarterfinals in University Heights, Ohio, Nov. 19.

Women's soccer to host NCAA games

Despite losing its regular-season finale to the University of Chicago Nov. 7, the No. 8 women's soccer team clinched the 2009 University Athletic Association (UAA) championship and earned the conference's automatic berth into the 2009 NCAA championship tournament.

The Bears could have clinched the conference championship with a win at Chicago, but the loss left them just one point ahead of the University of Rochester in the conference standings. Rochester played Case Western Reserve University to a 0-0 tie later that day and ended up tied with WUSTL for first place. An Oct. 18 victory for the Bears over Rochester gave WUSTL the edge in the head-to-head tiebreaker and the league title. It is the Bears' fourth straight UAA championship and the seventh overall.

Washington University will host first- and second-round action of the women's NCAA tournament at Francis Field.

The Bears take on Webster University in the opening round Saturday, Nov. 14, at 11 a.m., followed by No. 20 Illinois Wesleyan University and Carroll University at 1:30 p.m. The winners of Saturday's games will meet on Sunday, Nov. 15, at 1 p.m. for a berth in the sectional semifinal.

Men's soccer finishes with winning record

The men's soccer team lost its season finale at the University of Chicago in an 1-0 overtime loss Nov. 7.

Chicago's Stanton Coville converted a penalty kick with less than one minute to play in the overtime period to lift the Maroons to victory. A physical game from start to finish, Chicago was whistled for 20 fouls while the Bears committed 18.

A total of six yellow cards were issued, three to each team. Prior to the final game, WUSTL had been issued just six yellow cards all season.

The Bears finish the season with a 9-7-3 overall mark and a 3-4 record in the University Athletic Association.

Notables

Introducing new faculty members

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

Roshan Abraham, Ph.D., joins the Department of Classics and the Religious Studies Program, both in Arts & Sciences, as assistant professor. He earned a doctorate in Classical studies from the University of Pennsylvania, where his dissertation focused on magic, religion and the description of India in Flavius Philostratus' "Life of Apollonius of Tyana," a third-century biography of a pagan holy man. He specializes in Greek prose literature written under the Roman Empire. Abraham's research interests include the development of Christianity in its Mediterranean environment, ancient Greek and Roman magic and religion, and the ethnography of India in classical literature.

David A. Fike, Ph.D., joins the Department of Earth & Planetary Sciences in Arts & Sciences as an assistant professor of isotope biogeochemistry. Fike earned a doctorate from the Massachusetts Institute of Technology, where he investigated the rise of atmospheric oxygen and the early evolution of multicellular animals in the Ediacaran Period (about 635 million-542 million years ago). After graduation, Fike completed a postdoctoral fellowship at the California Institute of Technology, where he applied high-resolution isotopic techniques to map modern microbial ecology and metabolic activity. His research interests involve applying field, laboratory and theoretical approaches to understand the co-evolution of life and the Earth's surface environment over geologic time.

Ignacio Infante, Ph.D., joins Washington University as assistant professor in the Comparative Literature Program and the Department of Romance Languages & Literatures (Spanish), both in Arts & Sciences. A native of Spain, Infante earned a doctorate in comparative literature in 2009 from Rutgers University. Infante has been awarded a Fulbright fellowship and has translated into Spanish the work of the American poet John Ashbery and the English novelist Will Self. His primary research interests are 20th-century poetry and poetics, Spanish cultural studies, literary theory, translation

studies, Transatlantic modernisms and the avant-garde.

Gaylyn Studlar, Ph.D., joins Washington University as director of the Program in Film and Media Studies and professor in the Performing Arts Department in Arts & Sciences. Previously, she was on the faculty of the University of Michigan in Ann Arbor for 13 years and the faculty of Emory University for eight. She earned a doctorate from the University of Southern California in cinema studies, where she also earned a master of music in cello performance. Her research interests include feminist film theory, the history of Hollywood cinema, genre studies, and the relationship between film and the other arts. She is the author of "This Mad Masquerade: Stardom and Masculinity in the Jazz Age," "In the Realm of Pleasure: Von Sternberg, Dietrich, and the Masochistic Aesthetic" and dozens of scholarly articles and film reviews. She has also co-edited four anthologies.

Sarah Westphal-Wihl, Ph.D., joins the Department of Germanic Languages and Literatures in Arts & Sciences as associate professor. She earned a doctorate from Yale University in 1983. She has taught at Duke University, McGill University and, most recently, at Rice University in Houston. Her research includes women and gender during the European Middle Ages, law and literature, and the history of the book. Her latest book, "Ladies, Harlots and Pious Women: A Sourcebook in Courtly, Religious, and Urban Cultures of Late Medieval Germany," is forthcoming in 2010 from Medieval Institute Publications. It is co-written with Ann Marie Rasmussen, Ph.D., of Duke University.

Li Yang, Ph.D., joins the Department of Physics in Arts & Sciences as assistant professor of computational condensed matter physics. Yang earned a doctorate from the Georgia Institute of Technology. He continued his study at the University of California, Berkeley, and the Lawrence Berkeley National Laboratory. His research interests include both developing first-principles (parameter-free) computational methods and their applications to the electronic structure and optical response of reduced-dimensional materials. He has worked on various structures such as graphene, graphene nanoribbons and silicon nanowires.

Of note

Gammon Earhart, Ph.D., assistant professor of physical therapy, has received a three-year, \$718,483 grant from the National Institutes of Health for research titled "Oculomotor Control and Gait in Parkinson Disease." ...

Dewey Holten, Ph.D., professor of chemistry, **Christine Kirmaier**, Ph.D., research associate professor of chemistry, and **Robert Blankenship**, Ph.D., the Lucille P. Markey Distinguished Professor, all in Arts & Sciences, have received a three-year, \$900,000 grant from the U.S. Department of Energy for research titled "SISGR: Controlling Electron Transfer Pathways in Photosynthetic Reaction Centers." Also receiving the grant were Deborah Hanson, Ph.D., and Philip Laible, Ph.D., of Argonne National Laboratory. ...

Rudolf Husar, Ph.D., professor of energy, environmental and chemical engineering and the director of the Center for Air Pollution Impact and Trend Analysis (CAPITA), has received a three-year, \$500,175 grant from the National Aeronautics and Space Administration for research titled "NASA and NAAPS Products for AQ Decision-Making." ...

Jeffrey D. Milbrandt, M.D., Ph.D., the James S. McDonnell Professor and head of Genetics and professor of medicine, of neurology and of pathology, has received a two-year, \$250,000 grant from the

Notables policy

To submit Notables for publication in the Record, e-mail items to Jessica Daues at jessica_daues@wustl.edu or fax to 935-4259.

Craig T. Neilsen Foundation for research titled "Nmnat-Mediated Axonal Protection in Spinal Cord Injury." ...

D.C. Rao, Ph.D., professor of biostatistics, has been awarded a five-year, \$1,984,307 grant from the National Human Genome Research Institute to establish a data analysis and coordinating center to collect and analyze data about the career path of individuals who have participated in training activities that focus on increasing the number of under-represented minorities in genome or ethical, legal and social issues research. ...

Joshua Reece, graduate student in biology in Arts & Sciences, has received a one-year, \$2,000 grant from the Saint Louis Zoo's Ron Goellner Center for Hellbender Conservation for research titled "Genetic Sex Diagnosis of Cryptobranchid Salamanders." Also receiving the grant was Paul Hime of the Saint Louis Zoo. ...

Michael Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Development, has received a one-year, \$94,461 subcontract from the Save the Children Federation Inc. titled

"Designing, Implementing and Testing Youth Savings Accounts in Developing Countries." ...

Radhakrishna Sureshkumar, Ph.D., professor of chemical engineering, has received a four-year, \$426,289 grant from the National Science Foundation for research titled "Flow-Induced Fragmentation Mechanisms in Bacterial Biofilms by Hierarchical Modeling of Polymeric, Interfacial and Viscoelastic Interactions." Also receiving the grant were David M. Bortz, Ph.D., of the University of Colorado at Boulder and Michael J. Solomon, Ph.D., of the University of Michigan. ...

Michael Wyession, Ph.D., associate professor, and **Douglas A. Wiens**, Ph.D., professor, both in the Department of Earth & Planetary Sciences in Arts & Sciences, have received a four-year, \$725,417 grant from the National Science Foundation for research titled "Investigation of Sources of Intraplate Volcanism Using PASCAL Broadband Instruments in Madagascar, The Comores, and Mozambique (MACOMO)." Also receiving the grant were Andrew A. Nyblade, Ph.D., of Penn State University and Robert D. Tucker, Ph.D., of the U.S. Geological Survey. ...

David Zar, research associate in computer science and engineering, has received a two-year, \$150,325 subcontract from Blended Integrated Circuit Systems LLC for research titled "Blended Clocked and Clockless Integrated Circuit Systems." This subcontract is supported by the American Recovery and Reinvestment Act.

Campus Author

Charles F. Zorumski, M.D., the Samuel B. Guze Professor and head of the Department of Psychiatry; and Eugene H. Rubin, M.D., Ph.D., professor of psychiatry

Demystifying Psychiatry

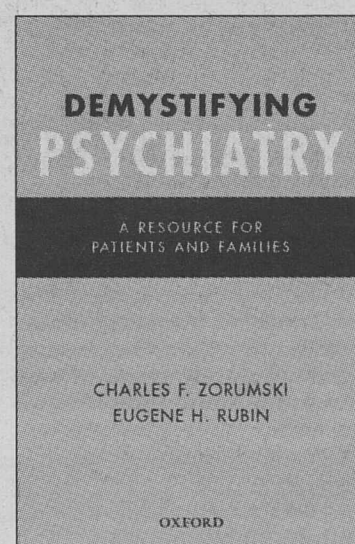
Oxford University Press (2009)

Between them, Charles F. Zorumski, M.D., the Samuel B. Guze Professor and head of the Department of Psychiatry, and Eugene H. Rubin, M.D., Ph.D., professor of psychiatry, have more than 50 years of experience treating psychiatric patients and trying to help patients' families — and their own families — better understand what they do.

"The book actually comes from many conversations we've had with people in the community and individuals in our own families who not only misunderstand psychiatric illnesses but don't understand who psychiatrists are and how they fit into health-care delivery," Zorumski said about the book. "So part of the impetus behind writing the book was to emphasize those things in ways a lay audience would understand."

The book is unlike popular books about psychiatric illness, which tend to focus on one person's story or one particular illness or treatment. Rather, the book is a general look at the entire field of psychiatry — the illnesses, the treatments and trends.

"Demystifying Psychiatry" is not a textbook, however. It does not require a medical or scientific background to understand. It explains how psychiatry differs from other mental health professions, such as psychology and social work. The book also includes an



extensive bibliography to refer lay readers to other books that help define the field.

It argues that psychiatry is widely misunderstood and that people think of psychiatrists as part physician, part confessor, part police officer and part shaman. Rubin says he and Zorumski attempt to explain how psychiatry is similar to many branches of medicine in that psychiatrists and psychiatric treatments help many patients get better, but cures are rare.

"Full cures are rare in much of medicine, including psychiatry," Rubin says. "Medications can help but not as much as we're sometimes led to believe. Treatments can allow the brain to work with environmental changes to help

people feel better. But there is no 'quick fix' with something as complex as significant psychiatric illnesses."

Just as there are no quick fixes for many medical illnesses.

"It doesn't matter whether we're talking about major depression — a very common psychiatric illness — or whether we're talking about high blood pressure or diabetes," Zorumski said. "Those illnesses are not cured, either. They're managed over time. And that's one of the things that we really want consumers, and those who have illnesses, to understand. The expectation that a pill or a form of treatment is going to cure you is really inappropriate, just as it is inappropriate with high blood pressure and the other common illnesses."

One difference, they argue, is that although many patients are reluctant to come to any doctor, those with common medical illnesses tend to show up eventually when they have serious, physical symptoms that make it impossible for the patient to function.

But with psychiatric illness, patients often don't recognize that anything is wrong, even when they are unable to function. Zorumski and Rubin hope the book helps those patients and their families learn what to look for, how to seek psychiatric care and what treatments might help.

— Jim Dryden

Campus Watch

The following incidents were reported to University Police Nov. 4-9. Readers who have information concerning these incidents are urged to call 935-5555.

Nov. 4

3:24 p.m. — Graffiti was found in a men's restroom in the Danforth University Center.

5:37 p.m. — A person reported a bicycle was stolen from outside Steinberg Hall.

Nov. 6

10:56 p.m. — A person reported a bicycle was stolen from outside Whitaker Hall.

Nov. 8

2:42 p.m. — A person reported a bicycle was stolen from outside Dardick House.

Nov. 9

8:52 a.m. — Graffiti was found on campus walkways.

11:38 a.m. — A person reported a fax/phone machine was stolen from a breakroom in McMillan Hall.

12:39 p.m. — Facilities reported that two Freon tanks and gauges were taken from secure closets in residential buildings on campus.

Additionally, University police responded to five accidental injuries, three automobile accidents and one report of damaged property.

Washington People

Moving north did not have the effect Karen Tokarz, J.D., thought it would. Growing up in Birmingham, Ala., Tokarz, the Charles Nagel Professor of Public Interest Law & Public Service, saw racism, sexism and poverty from an early age.

"I would read a newspaper story about a local march or a sit-in, and the article would mention that one or two protesters were arrested," she says. "That night, my mother, who ran the indigent floor of the University of Alabama hospital, would come home and say that they had admitted a hundred prisoner patients that day from the protest. The discrimination was vivid.

"I thought that leaving the South and coming up 'north' to St. Louis for college would put me in a place where there was no poverty and no discrimination and no racism, but I quickly learned that it exists everywhere in the world," she says.

After college, Tokarz began work in public service as a deputy juvenile officer at the St. Louis City Juvenile Court.



Karen Tokarz, J.D. (center), and her Civil Rights & Community Justice Clinic students Reagan Larkin (left) and Sadena Thevarajah work with the Health and Welfare Unit at Legal Services of Eastern Missouri to provide services to low-income individuals on access to health care and public benefits cases. The law school's clinical programs have affiliated with Legal Services in various ways since the law school first launched legal clinics in 1973 and have provided free legal services to thousands of clients in the St. Louis area through the years.

DAVID KILPER

By JESSICA MARTIN

Fighting for justice

Tokarz helps students resolve disputes worldwide

"I worked for Judge Ted McMillian, a heroic defender of children's rights and the first African-American judge appointed to the bench in Missouri, who kept saying if I really wanted to help these kids, fight discrimination and fight poverty, I needed to become a public interest lawyer," she says.

That advice prompted Tokarz to go to law school and on to work for Legal Services of Eastern Missouri in St. Louis.

Making a difference through teaching

Washington University recruited Tokarz in 1980 to lead and revitalize the school's Clinical Education Program. Law school clinics give students practical experience and training while providing high-quality legal services for underrepresented people and groups in the community.

"Our clinical courses prepare well-qualified, ethical practitioners and advocates, who become leaders in practice, government and business," she says. "Clinic students discover firsthand the challenges, responsibilities and rewards of representing clients and practicing law. They see the impact they can have on people's lives and come to understand the difference between law and justice and the privilege of lawyering."

Tokarz led the school's clinical programs until 2008. During

her tenure as clinical programs director, she established the law school as a global leader in clinical legal education and helped propel the clinical program to top national rankings; they are now widely regarded as among the best in the world.

Tokarz, who received the Washington University Founders Day Award for exceptional teaching in 2005, continues to direct and teach the Civil Rights & Community Justice Clinic, one of the school's 12 law clinics.

Kent Syverud, J.D., dean of the law school and the Ethan A.H. Shepley University Professor, emphasizes that Tokarz has achieved three remarkable things at Washington University: "She has assured the delivery of quality legal services to thousands of people who would otherwise lack access to justice; she has taught generations of students how to provide access to justice and to go on to careers in public service; and she has been a leading force in improving legal education at this school and across the nation."

In her current role as director of the law school's Dispute Resolution Program, Tokarz helps prepare graduates to be better problem-solvers, negotiators, mediators and conflict-resolvers through courses such as "Mediation Theory & Practice."

She is collaborating with Syverud, who teaches "Negotiation," and other faculty in the field to develop a "first-class dispute resolution program for the law school that is both interdisciplinary and international," she says.

"I see myself and our law school as part of a larger movement that is fostering a new professional role for lawyers — lawyers who are zealous and passionate but also focused on solving disputes more creatively, efficiently and fairly and in ways that preserve relationships as much as possible," says Tokarz, a widely respected civil rights mediator.

Tokarz and her colleagues have extended the reach of the school's dispute resolution learning opportunities beyond U.S. borders. Students interested in dispute resolution and human rights have the opportunity to participate in internships in countries such as South Africa, Rwanda, Kenya, Ghana, Thailand, Cambodia, India and China.

For Tokarz, the best part of her job is working with her students.

"Our students are brilliant, talented, committed, determined

to fight injustice and change the world," she says. "There's a lovely energy in today's law students to work for the greater good. Most of our law students come to school with the goal to improve the quality of life for people on this planet. They are changing the legal profession, very much for the better."

As an international leader in clinical legal education and dispute resolution, Tokarz has helped emerging democracies transform legal education in their countries.

"In countries going through a political transition, legal education becomes more open, more diverse," she says. "In Central and Eastern Europe, Africa and Southeast Asia as well as other parts of the world, one of the first stages of progressive legal education is a move toward clinical education and dispute resolution training. Law schools want and need to prepare a new population of lawyers to practice, to promote rule of law, and to address past discrimination and oppression."

Tokarz began working with law schools in South Africa on clinical curriculum development in 2001. She since has led a team of six law students to South Africa every summer to spend 10 weeks learning and working at the Legal Aid Board and other human rights organizations in South Africa. Last year, Tokarz worked in South Africa as a Fulbright senior specialist, assisting the University of KwaZulu-Natal in the development of its dispute resolution curriculum.

Tokarz also was a visiting scholar at the Harvard Law School Program on Negotiation last year.

Impacting the University community

Tokarz embodies the collaborative spirit of the University.

For over a decade, she and other women law school faculty colleagues have supervised law students teaching an undergraduate "Women & the Law" course through the Women, Gender, and Sexuality Studies Program in Arts & Sciences.

She holds appointments with the African and African American Studies Program in Arts & Sciences and the Women, Gender, and Sexuality Studies Program, serves on the Gephart Institute for Public Service's advisory board, and coordinates the law school's popular Public Interest Law & Policy Speakers

Series, now in its 12th year, designed to foster interdisciplinary discussions on access to justice issues across the University and the community.

"I love the interdisciplinary nature of both the law school and the University," she says.

"Washington University is among the world's leaders in teaching and research, and it provides a wonderfully rich environment within which our faculty and students can teach and learn," she says.

"I greatly value opportunities to work collaboratively across schools and disciplines because it enriches my students' lives and my own as well," she says.

Contributing to St. Louis

Tokarz is strongly committed to St. Louis.

Tokarz and her partner, JoAnne LaSala, former president of St. Louis 2004 and former budget director for the city, always have lived in the City of St. Louis, and, over the past 20 years, they have fostered a family of eight children.

"They call us their godmothers," she says. "They became part of our lives when the oldest was 8 and the youngest three weren't yet born. JoAnne and I helped put them through school (all but one has graduated from high school and two have graduated from college). We have been to a lot of basketball and soccer games and parent-teacher conferences and gone through too many used cars and computers to count."

"The family has amazing strength and determination," she says. "A few years ago, we bought a duplex in south St. Louis for the family to live in when they couldn't find any other housing. Just last month, the fourth-oldest child bought the South City home and now is her mother's landlord."

Tokarz's deep love of baseball may explain where she would end up making a life.

"Even though my roots are in Massachusetts and I always cared about the Red Sox, I listened to the St. Louis Cardinals on KMOX while growing up in Birmingham, and the Cards have always been my 'home team.'"

Tokarz says she is very lucky. "I have everything I could ever want here — a lifelong professional association with a fabulous university, a family and home in a city I love and, every so often, a World Series champion!"

Karen Tokarz

Position: The Charles Nagel Professor of Public Interest Law & Public Service and director of the Dispute Resolution Program at the School of Law; professor of African & African American studies and affiliate professor in women, gender and sexuality studies, both in Arts & Sciences

Education: B.A., Webster University; J.D., Saint Louis University; LL.M., University of California, Berkeley

Family: Partner, JoAnne LaSala, an economic development consultant; godchildren Thomas, Cornest, Tawanda, Altarea, Jackie, Bruce, Emanuel and Demetrius

Interests: Tennis — she's still a decent singles player; Cardinals baseball; and travel — she has visited every continent except Antarctica.



COURTESY PHOTO

Karen Tokarz (right) and her partner, JoAnne LaSala, with their dogs Scout and Sam in the backyard of their Central West End home, which they gut-rehabbed about 15 years ago.