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By Michael C. Purdy

Diagnosing acute stroke is a high-pressure decision. The speed with which treatment is delivered makes all the difference. Early treatment can stop brain damage, but, if treatment is given inappropriately, it can dangerously increase the risk of bleeding in the brain.

Because of this risk, the final decision to administer or withhold treatment—a clot-busting enzyme known as tissue plasminogen activator (tPA)—is usually reserved for neurologists or, in some centers, emergency department physicians. But now a study conducted by School of Medicine researchers with neurology residents at Barnes Jewish Hospital has shown that residents with appropriate training can safely make the judgment that effective treatment is delivered faster.

"Door-to-needle" times, measured as the time between a patient’s arrival and the administration of tPA, were reduced by 26 percent, from an average of 81 minutes to 60 minutes.

"This is a critical ability to safely reduce ‘door-to-needle’ time without increasing the risk of a brain hemorrhage," said Jin-Moo Lee, M.D., Ph.D., associate professor of neurology and director of the Cerebrovascular Education Section in the Department of Neurology. "What we’ve shown is that with proper training, feedback and supervision, residents are more than capable of making this complex decision safely.

The study appears online in the journal Stroke.

Although they have completed medical school and passed the license exams necessary to practice general medicine, residents are working in hospitals to undertake more advanced postgraduate training. A select group of critical life-death decision making has traditionally been reserved only for physicians who have completed their residencies.

Stroke treatment is one such decision. At academic and community medical centers, it is held for specialists in neurology, or, in some cases, emergency medicine. But while residents are always immediately available in the emergency room, neurologists may not be, and the time spent waiting for such a physician to be summoned can allow harm from the stroke to intensify and spread.

For the study, the group of residents at Barnes Jewish Hospital started taking an annual mini-course in the use of tPA. The course taught them how to appropriately choose candidates for tPA and how to administer it. After residents were given the authority to administer tPA, a committee of medical faculty and staff met monthly to review the case of every treated patient, giving residents feedback on their decision-making.

Researchers analyzed the results by comparing the outcomes of stroke patients treated by residents from 2004 to 2007 against the same data for stroke patients treated by attending physicians and fellows from 1998 to 2002. There was no significant increase in negative outcomes, including bleeding in the brain, and door-to-needle times were similar for residents versus attending physicians.

See Stroke, Page 6

Grant helps WUSTL computer science faculty emphasize active learning

By Tony Fitzpatrick

Computer science faculty are exposing undergraduate students to learning in ways that prepare them for interaction in the real world. It’s not just about "staying between the lines," but more about getting out of your seat, moving around and interacting with your classmates. It’s called active learning, a learning laboratory-based tutorial teaching method.

Kenneth Goldman, Ph.D., associate professor of computer science and engineering, initiated, initially secured a grant from the National Science Foundation in 2007 to explore active learning at WUSTL.

He is on leave, and Cindy Grimm, Ph.D., associate professor of computer science and engineering in WUSTL’s and Ron Cytron, Ph.D., associate chair of the department, are carrying out the work he put the old paradigm of lecture-based instruction in the lab.

At the heart of active learning is the hallmark of interactive face time and students taking a more active role and not just repeating what a professor wants them to say," said Grimm, the principal investigator of the grant. "We think it provides a motivation to learn things that they have to know to do something that they really want to do. This is more readily learned by participating with other students.

Lectures are posted on the Web, and students typically watch them in the evening before coming to class, so they are prepared for active learning in the classroom. Students spend the first two days of the week working in the small class sections and the third day with the large sections.

"The magic is that the teacher is used to be, ‘How do I fit my three hours of lecture a week and work interactive things into that?’" Cytron said. "Now, it’s the other way around.”

Cytron said that active learning is based on the social learning teaching method.

It’s asking a question and having the students struggle with it versus giving students a bunch of solutions and lecture and then have them find the solution. It involves giving students a bunch of solutions and lecture and then have them find the solution. It involves giving students a bunch of solutions and lecture and then have them find the solution.

See Grant, Page 7

First-of-its-kind international conference to focus on the evolution of cooperation

By Neil Schoenherr

WUSTL is holding its first international conference on the evolution of cooperation. The conference, titled "Man the Hunted: The Origin and Nature of Human Sociality, Altruism and Well-Being," will be the first of its kind to include academics from around the world and across multiple disciplines — anthropology, psychology, human evolution, biology, religion, education and medicine — to focus on the evolution of cooperation, altruism and sociality and possible factors that led to the evolution of these characteristics in primates and humans.

The conference is organized by Robert W. Sussman, Ph.D., professor of anthropology in Arts & Sciences, and C. Robert Cloninger, M.D., the Wallace Renard Professor of Psychiatry, professor of genetics and director of the Center for the Psychology of Biology and Personality and the Sansone Center for Well-Being at the School of Medicine.

The concept of altruism and cooperation often is assumed to be one of humanity’s essential and defining characteristics. It also has been difficult to account for the origins of altruistic motives and behavior.

Evolutionary biologists, primatologists, anthropologists and other social scientists have found data on seemingly altruistic behavior in many animal species, as well as in human societies, that do not conform with models of kin selection and altruism based solely on competition and the evolutionary fitness of individuals.

"It’s asking a question and having the students struggle with it versus giving students a bunch of solutions and lecture and then have them find the solution. It involves giving students a bunch of solutions and lecture and then have them find the solution. It involves giving students a bunch of solutions and lecture and then have them find the solution. It involves giving students a bunch of solutions and lecture and then have them find the solution. It involves giving students a bunch of solutions and lecture and then have them find the solution.

Students choose service over sun for spring break

By Neil Schoenherr

More than 200 WUSTL students will be using their spring breaks not for lounging on the beach but for serving communities around the globe.

Eighteen separate groups of students will travel to places as close as suburban St. Louis and as far away as Hanoi, Vietnam, to help with service projects ranging from home building and urban renewal to college mentorship and medical assistance.

"It’s incredible to see what our student leaders come up with and the caliber of their projects," said Stephanie Kurzman, director of the Community Service Office and associate director of the Richard A. Gephardt Institute for Public Service. "Our office is not organizing any of these trips, but we are supporting their growth and have recently seen an increase in the number of winter, summer and even fall trips.

"We know what an incredible learning experience these trips are for students and how deeply transformative the trips are for them and the communities they serve," Kurzman said.

Junior Natalie Kress, a member of WUSTL’s Latinx Empowerment Team, will travel with the group to Brownsville, Tex., to encourage underserved Latinx high-school students to pursue higher education.

See Service, Page 6
Mr. Wash U Junior Nick Priacki is hoisted onto his competitors' shoulders after a panel of judges selected him as Mr. Wash U Feb. 26 in Edison Theatre. Priacki was one of 16 students vying for the title. The competition included raising money for the chosen charity, City Faces, and a "talent" show in which Priacki chanted "R U Ready 4 R U Ready." Started in 2001, Mr. Wash U recognizes an undergraduate male with outstanding personality, character, integrity, extracurricular involvement and contribution to the University and St. Louis communities. This year's competition raised more than $35,000 for City Faces, a local nonprofit organization started by Bob Hansman, associate professor of architecture and art-in-residence in the Sam Fox School of Design & Visual Arts College of Architecture, that works to bring arts education to children in public housing.

Women's basketball hosts NCAA rounds

The No. 4 women's basketball team will host first- and second-round action of the 2009 NCAA Division III tournament on Friday and Saturday, March 6 and 7. Washington University (21-4) and Saturday, March 6 and 7. Division III tournament on Friday and second rounds of the 2009 NCAA tournament. No. 3 WUSTL and No. 7 Lawrence University will square off in first round action March 6. The winner of that game will play the winner of the University of Wisconsin-Whitewater/Elmhurst College first-round matchup.

The team closed out its regular season Feb. 28 with a 72-49 victory over the University of Chicago, the 50th victory for coach Mark Edwards. Before the game, WUSTL honored seniors Tyler Nading and Sean Wallis, who played in their final regular-season game at the WU Field House. The duo has helped lead the Bears to a 91-20 (.820) record in their four seasons.

The 23rd victory of the year for WUSTL was the first game of the season for senior Jeremy Rogoff, who picked up six rebounds following a blocked shot and had two steals. Before the game, WUSTL honored six seniors who were playing their final regular-season game through Emma Broomfield, Shannon Let Dakany, Tina Lunting, McFarlin and Halsey Ward.

Men travel to Elmhurst for first-round game

The defending national champion men's basketball team is headed to Elmhurst, Ill., for the first and second rounds of the 2009 NCAA Division III tournament. As the 2009 University Athletic Association champions, WUSTL holds an opponent under their 79th-straight game when they take on the winner of the Transylvania University/Howard University (21-4) matchup.

Nading became the Bears' all-time leader in games played with 110 in school history, and the Bears won their 79th-straight game when holding an opponent under 60 points.

As the 2009 University Athletic Association champions, WUSTL will make its 14th appearance in the NCAA tournament as a member of Division III, and 17th overall.

Baseball opens season with sweep

The baseball team bemoaned by temperatures to open its 2009 campaign with a doubleheader home sweep of Coe College March 1 at Kolly Field. WUSTL won the first game, 3-1, behind a strong pitching performance from senior Justin Williams and took the second game, 2-1, on the bottom of the eighth inning.

Williams lasted seven innings in the first victory, striking out six batters and scattering seven hits. He allowed three of their runs in the bottom of the fifth inning, tallying four hits and leaving no runners on base.

In the second game, senior Gregg Kennedy scored the game-winning run on a pop fly ball in the bottom of the eighth to break a 1-1 tie.

Junior Jeremy Rogoff got the start, pitching 6 1/3 innings and allowing four hits and striking out six. Sophomore Bryce Hrovat relieved Rogoff and picked up the win, his first in a WUSTL uniform. Hrovat retired five of the six batters he faced in 1 1/3 innings of action.

Using nature's strengths for everyone's benefit

By Barbara Rea

Engineers discover that the key to making the Japanese bullet train quieter is to mimic the kingfisher's beak. An architect imitates the way termites cool their mounds in a building in Zimbabwe, resulting in a 90 percent reduction in air-conditioning.

Life has been performing design experiments on Earth for 3.8 billion years. Flourishing on the planet today are the best ideas those designers perform well in context while economizing on energy and materials.

A growing number of business, architecture and engineering firms and government agencies are tuning to the biomimicry model to create innovations that will solve complex problems in a sustainable way. The Biomimicry guild helps innovators learn from and emulate natural models.

Benyus earned bachelor's degrees in natural resource management and English literature, both from Rutgers University. She has received several awards, including the Rachel Carson Environmental Ethics Award, the Led Broemser Award for Science Writing and the Science Writing turquoise award. In 2007, she was named a hero of the environment by Time magazine.

In conjunction with the lecture, a faculty-only workshop titled, "Biomimicry Across Disciplines," will be held from 11:30 a.m. March 20.

Benyus and Denise DeLuca, outstated director of the Biomimicry Institute, will lead the workshop, which is co-sponsored by the Material Resource Center at the College of Architecture in the Sam Fox School of Design & Visual Arts and the design firm HOK. Lunch will follow.

In addition to architecture and the arts, many fields are being co-sponsored by the School of Engineering & Applied Science and the Department of Energy, Environmental and Chemical Engineering; Societies and Engineering; Engineers Without Borders; Environ- cial, Society of Women Engineers; Sigma Iota Rho Honorary Society; the Department of Biology in Arts and Sciences; an interdisciplinary study of Ethics and Human Values in Arts & Science; the Office of Sustainability; Tyson Research Center, and the Productivity Institute in fossil fuel Companies Inc. and HOK.

Space for the workshop is limited and registration is required. For more information or to register, contact Daphne Ellis at 314-343-4043 or e-mail dennisellis@wustl.edu.

For more information on the Assembly Series, call 935-4620 or visit assemblyseries.wustl.edu.

WUSTL spring break vehicle storage

Students or employees who do not currently hold an annual parking permit but wish to store their vehicles on campus during spring break (Friday, March 6, through Sunday, March 15) may do so after obtaining a placard from Parking Services.

Individuals must come to the Parking Services office, located at North Grand, during its regular business hours (8:30 a.m. - 5 p.m. Monday through Friday) to fill out an emergency contact form and receive a complimentary parking placard to display on the vehicle dashboard. The approved vehicle storage location also will be site

Students may store vehicles in campsites in the designated areas during spring break but must first contact Parking Services to provide the requested emergency contact information. Please note that even during break periods, evening parking permits will be available until 4 p.m. Evening permit-holders may store their vehicles on campus during regular business hours (8:30 a.m. - 5 p.m. Monday through Friday) to fill out an emergency contact form and receive a complimentary parking placard to display on the vehicle dash. The approved vehicle storage location also will be listed at that time.

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Children need to continue asthma drugs to maintain their benefits

By Beth Miller

Children whose asthma improved while taking steroid drugs for several years did not see those improvements continue after stopping the drugs, new results from a comprehensive childhood asthma study show.

The results come from the Childhood Asthma Management Program (CAMP), an eight-year study involving more than 1,000 children. Age 5-12 were treated for mild to moderate asthma over more than four years at eight centers, including at the School of Medicine. The children in the randomized trial were divided into three groups: one ing at the School of Medicine. The

four years at eight centers, includ-

age 5-12 were treated for mild to

symptoms, and oral corticosteroids

ed for relief of acute asthma

medications were needed and a

trial showed that using budesonide

inflammatory treatment for asthma

were divided into three groups: one

resistance in their asthma control com-

signals to facilitate tumor forma-

molecular differences that may

not all astrocytes are the

tumors form in children with

M. D., associate professor of pediatrics, received a Bear Cub Fund grant totaling $150,000 to support additional research that shows commercial potential. The grants were awarded to: Zhou Ying Chen, Ph.D., associate professor of anesthesiology; and Gregory C. Strunk, M.D., Ph.D., professor of pediatrics. The grants were awarded to:

only do the scans can be

liver disease. Morahan's project will evaluate whether a new technique can improve the success of limb-sparing surgery. Morahan and his colleagues developed a technique to ectopically stimulate the bone matrix within spinal vertebrae, which has been shown in preliminary studies to improve ossification and anatomy. Patients with suspected Crohn's disease form.

failure or liver disease. Morahan's project will evaluate whether a new technique can improve the success of limb-sparing surgery. Morahan and his colleagues developed a technique to ectopically stimulate the bone matrix within spinal vertebrae, which has been shown in preliminary studies to improve ossification and anatomy. Patients with suspected Crohn's disease form.

W. University of Washington awarded five Bear Cub Fund grants totaling $150,000 to support additional research that shows commercial potential. The grants were awarded to:

Washington University in St. Louis awarded five Bear Cub Fund grants totaling $150,000 to support additional research that shows commercial potential. The grants were awarded to:

Chen, who in 2007 identified the first gene for ich contact in the central nervous system, will undertake a project to identify drugs that can reduce chronic itching. While itching caused by bug bites or allergic reactions can be treated effectively with antihista-

malignancies of the reproductive

patients and monitor disease progression, but the scans can be inconclusive. Klein is interested in developing a blood test for MS that correlates levels of the CXCR4 antibody with the extent of disease. For the first time with the help of the new technology, Klein and his colleagues can detect the presence of MS in its earliest stages. The test is currently being refined for clinical use and is expected to become available in the near future.

Mutch elected president of Society of Gynecologic Oncologists

David G. Mutch, M.D., the J. C. and Judith Gall Professor of Obstetrics and Gynecology and chair of the Department of Obstetrics and Gynecology, has been elected president of the Society of Gynecologic Oncologists. His term will begin in January and continue through December 2009. The election was announced at the society's annual meeting last month in San Antonio.

The Society of Gynecologic Oncologists is a national medical specialty organization of physicians who are trained in the comprehensive management of women with malignancies of the reproductive tract.
Kenyan group spreads its message step by step

By Cynthia Georges

The Perforning Arts Depart-ment (PAD) and the African & Diaspora Arts Program, both in Arts & Sciences, will host a residency March 13-22 for a nine-member touring ensemble of internationally known Kenyan dance group Haba na Haba. The group performs acrobatics, music, dance and drama to raise awareness and educate their communities on topics such as HIV/AIDS, drug abuse, reproductive health, women's issues and violence. While here, it will partici-pate in a number of performances and cultural exchanges both on campus and in the St. Louis community.

Haba na Haba, Swahili for "step by step," describes the ap-proach that some 1,000 perfor-mers in the group take in their mission to provide people in Nairobi and outlying areas with information to provoke debate on social issues and healthy alter-natives to crime, drugs and other destructive behaviors. Their mes-sage is that all things are possible if you take them one step at a time.

Highlights of the St. Louis residency will include a discussion on theater and social change March 14, with a panel including George Ndiritu, the director of Haba na Haba; Carolynn Leaegrod, Ph.D., assis-tant professor of social work; and others at the George Warren Brown School of Social Work, the co-host for the event. The discus-sion is scheduled at 4:30 p.m. March 14, in Browning Student Center. An improvisational perfor-mance will take place at 4:30 p.m. March 19 in the South 60 Swamp. All students are welcome to attend.

The residency will culminate at 8 p.m. March 20 with a dance titled "Co-existence" based on the recent ethnic conflicts in Kenya following disputed elections. The performance, which will feature WUSTL students, will take place in the 560 Music Building. The event is free and open to the public.

During their stay, the members of Haba na Haba will have the opportunity to learn about life outside of their country.

In addition to dining with host families and having a chance to perform with members of the St. Louis Kenyan community, event with students who have traveled or will travel to Kenya, area schools and participate in WUSTL dance, acting and Swahili language classes.

"We are truly delighted to host this wonderful performing arts troupe on campus, especially with an American of Kenyan descent having just assumed the American presidency," said Robert Henke, Ph.D., chair of PAD and professor of drama and of com- positions, both in Arts & Sciences.

"The courageous and thought-provoking work of Haba na Haba in some of the most economically challenged areas in and around Nairobi demonstrates ways in which the performing arts can educate people from all walks of life and truly effect social change," Henke said. "Their magnetic capacity to summon and sustain a theatrical audience in village and town squares with their medley of acrobatics, music, dance and drama can teach westeners that theater, looked at from a global perspective, can be more effective and bigger than the well-lit stage."

Henke said that Haba na Haba's visit came about through the efforts of WUSTL alumnus Reynolds Whalen, who received his honors thesis in PAD included the production of a full-length documentary on the group. Whalen, who graduated num-ber one in 2008 with a double major in drama and Afri-can and African American studies, had seen the group perform in Nairobi during a semester abroad his junior year.

"The first performance I watched literally changed my life," Whalen said. "It was the first time I had ever seen my two biggest passions -- Africa and theater -- meet in something really important."

The extraordinary collabora-tion of Reynolds and Mukonde Mutonyo, Ph.D., senior lecturer in African and African American studies and director of the Reynolds Multicultural Arts Program, has made this residency possible," said John Buch, Ph.D., the Margaret Mary Case Professor of Science & R Scienctists and director of the Reynolds Multicultural Arts Program. "Theirs efforts may well be the first example of local venu-tures to enhance health awareness in less fortunate communities. This visit celebrates not only Haba na Haba but also the outstanding talent of our students."

For information on classes and workshops, call the phone number or e-mail rpnathan@wustl.edu. For general information, e-mail PAD@juestl.wustl.edu.

University Events

Faces of Hope • Magic Bullets • Hidden Chamber Music

Lectures

Thursday, March 5

Friday, March 6

Friday, March 6

Monday, March 9

Monday, March 9

Monday, March 9

Thursday, March 12

Thursday, March 12

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Fiction writer Lydia Davis to speak for Writing Program Reading Series

By Cynthia Georgenes

F iction writer Lydia Davis, the founding art director and executive producer of the Reading Series in the Writing Program, will present a talk titled "A Beloved Duck Gets Cooked: Writing Outside the Mainstream" and read from her work at 8 p.m. March 13 in the Kemper Art Museum Room 201, Hurst Lounge. A full-time writer, editor, and translator, Davis is the author of four collections of short fiction: "Various Degrees of Disturbance" (2007), for which she was awarded the National Book Award; "Break It Down" (2003), for which she won the PEN/Faulkner Award for Fiction; "The End of the Story" (1991), and several other limited-edition volumes.

As an intermittent writer and "an American virtuoso of the short story form" (The New York Times Magazine), Davis has written short stories that range in length from a few words to 40 pages. Her work has appeared in "The Best American Short Stories," "The O. Henry Awards," "The Pushcart Prize," and in publications ranging from The New Yorker and The Atlantic Monthly journals such as Conjunctions and McSweeney's. Her work has been translated into six languages.

Davis has published a French translation of "The End of the Story," which was widely praised by literary critics. Davis lives and works in upstate New York.

For more information, call 935-7130 or e-mail David Schuman at dschuman@wustl.edu.
Cooperation

 Violence and cruelty are maladaptive behaviors from Page 1

 drive to pass on selfish genes. This symposium will review recent debates about the nature and origins of cooperative behavior. It will test the hypothesis that selfish cooperative behavior has evolved in plant, animal and human groups. It will explore many of the mechanisms primates and humans may have evolved to protect against predators, including cooperation and sociality.

"Research in anthropology, social sciences and mental health are converging to show that human beings are naturally predisposed to be kind and social, not cruel and violent," Cloninger said.

"Violence and cruelty are maladaptive behaviors that prevent us from co-operating and attempts to dominate others are futile," he said. This conference brings together leading scientists to document these facts and to discuss ways this knowledge can promote cooperation and well-being in the face of current worldwide economic and social unrest," he said.

Cloninger is author of the 2004 book "Teasing Good: The Science of Well-Being." He argues that free, violent and conflicted interactions with normal human behavior and can contribute to psychiatric illness as well as to cycles of violence, distrust and despair. Those behaviors, however, are relatively uncommon in human beings and tend to be aberrant responses to unusual conditions.

Cloninger claims that the normal patterns for human beings to be social. People who develop a need for psychiatric intervention and those who have become alienated and anti-social. It is human nature to want to work together and cooperate.

Living in groups, he has said, made animals safer, and, in turn, social living created intellectual demands that allowed further co-evolution of sociality and brain development. Therefore, evolution has a direction toward great cooperation.

2009. In it, he argues that primates, including early humans, have evolved not as hunters but as prey.

"In the book, Sussman and Hart posed a new theory — based on the fossil record and living primates — that primates have been prey for millions of years, a fact that greatly influenced the evolution of early man. Our intelligence, cooperation and many other features we have as modern humans developed from attempts to outsmart the predator, they argued.

Related to that study, Sussman has been examining primate development. Therefore, evolution has a direction toward great cooperation.

C. ROBERT CLONINGER

"Research in anthropology, social sciences and mental health are converging to show that human beings are naturally predisposed to be kind and social, not cruel and violent."
Community-based conservation in Madagascar: property rights for the poor in rural areas and trade-offs between access to power and security in societies throughout human history are among topics to be explored in a free public workshop on the social science of international development from 9 a.m.-5 p.m. March 24 in the Weidlinger Building Ferial Lounge. The workshop will honor the lifelong intellectual contribution and legacy of Douglas C. North, the Spencer T. Olin Professor in Arts & Sciences and recipient of the 1993 Nobel Memorial Prize in Economic Sciences. North also is the founder of the Center for New Institutional Social Sciences (CNiS).

The workshop is co-sponsored by CNiS, Arts & Sciences and the Democracy and Citizenship Initiative, a program that University-wide effort to better understand American education's relationship to the values and ambitions of a free society.

North and John Joseph Wallis, Ph.D., professor of economics at the University of Maryland, will open the workshop with a discussion of their forthcoming book, "Violence and Social Orders: A Conceptual Framework for Interpreting Recorded Human History." Co-authored by North, Wallis and Barry R. Weingast, Ph.D., of Stanford University, the book explores how societies throughout the ages have dealt with the problem of violence. In most societies, which the book describes as "natural states," violence is limited by natural limitations of the economy to create privileged interests. These privileges limit the use of violence by powerful individuals, but doing so hinders both economic and political development. In contrast, modern societies create open access to economic and political organizations, fostering political and economic competition.

The book provides a framework for understanding the two types of social orders, why open-access societies are both politically and economically more developed, and how 25 countries have made the transition between the two types.

In modern societies, humans obey laws, adhere to rules and conform to norms, the book argues, because humans fear disorder and the violence it entails. The book offers a "masterful and revealing interpretation of how 'nasty, brutish and short' became healthy, wealthy and peaceful and why the political conditions thus generated are not in others," saidClaudia Goldin, Ph.D., of Harvard University.

Other WUSTL faculty will address topics concerning democratic trends around the globe and ongoing research efforts in areas such as Madagascar and India, including:

• "How Do Violence and Social Orders Affect Democratization Trends Around the Globe?" by James Wertz, Ph.D., the Marshall S. Snow Professor in Arts & Sciences and director of the McDonnell International Scholars Academy.
• "Policy Development By Policy Fields: The Lynne Cooper Harvey Distinguished Professor in English and American Culture Studies.
• "Community and Natural Resource Management: Modeling Complexity in Natural and Human System Interaction" by Gustam Yudama, Ph.D., associate professor of international programs at the George Warren Brown School of Social Work, and Jeffery Hornman, Ph.D., an assistant professor of social work at the Brown School and of women, gender and sexuality studies in Arts & Sciences.
• "Community-based Conservation in Madagascar: Building a Foundation for Socio-Economic and Institutional Understanding of Malagasy Communities Through a 'Research by Design'" by Margaret Brown, academic director at Duke University; Carolyn Lesorogol, Ph.D., assistant professor at the Brown School; and Kristen Wagner, former CNiS Ph.D. fellow and a lecturer at the Brown School.

"Effects of Land Titling on the Poor" by Sebastian Galli, Ph.D., professor of economics in Arts & Sciences.

For more information, including a presentation schedule, visit: http://www.wustl.edu/cniis/10workshop.html.

The Record will run a full story on student and faculty participation in the workshop on its front page during March 11-13.
Bill Witbrodt at the Taj Mahal during a recent trip to India.

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**Making the impossible possible**

Witbrodt helps keep WUSTL affordable for many students

Bill Witbrodt

Home: The Central West End
Pet: Sam, a miniature schnauzer

**Interests:** Traveling, bowling, watching CNN, playing the piano and going for walks with Sam. Witbrodt also has a fascination for architecture, and his office walls are covered with photographs and the schematics of buildings.

**Currently reading:** "Shantaram" by Greg Mortenson

Bill Witbrodt (left), director of Student Financial Services, and Jacquie Metcalfe, Student Financial Services representative, assist student David Hahn. "Bill is a great listener," says John Berg, associate vice chancellor for admissions. "Students and parents who need his help know that he will understand their situation and do all that he can to assist them in meeting the cost of attending Washington University." Witbrodt has applied his knowledge of "customer"-friendly sites such as SFS. "The office is bright and cheerful, and staff members strive to welcome students and keep them at their No. 1 priority. The office is very friendly," says Regis Murayi, a junior from Aberdeen, Md., and a student worker in SFS. "When I go in, everyone says hello and asks how my day is going, even if they don't really know me. And it's not just because I work there. My friends here tell me that if they have something they need taken care of at SFS, they'll call the number and just get it," says Murayi, a mathematics and economics major in Arts & Sciences. "My friends at other schools say their financial aid offices aren't as open or as welcoming as ours. They have to fight to get help,“

"I love to meet people of all walks of life and just because I work there," says Witbrodt. "I feel comfortable discussing any issues I have with him," Hall says. "We have gotten to know each other over the past few years. He knows my situation and is very understanding. I'm so appreciative of everything he has done.

When not working, Witbrodt loves to travel. He recently visited India and Nepal and saw the Taj Mahal, the Gangas River and the Himalayas. But what impressed Witbrodt most during his trip was the people. "I love to meet people of diverse cultures," Witbrodt says. "It wasn't so much the places we visited, but the people we met.

**Architect to accountant**

Witbrodt was an outstanding leader of SFS during his tenure. "Bill Witbrodt has been the people. "I love to meet people of diverse cultures," Witbrodt says. "It wasn't so much the places we visited, but the people we met.

**Architect to accountant**

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