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# Record

Sept. 16, 2005

Volume 30 No. 6



Washington University in St. Louis

## Gephardt Institute to celebrate inaugural event

BY GERRY EVERDING  
AND BARBARA REA

The Richard A. Gephardt Institute for Public Service at Washington University will hold its inaugural event Sept. 19, featuring remarks by former U.S. Rep. Richard A. Gephardt, a keynote lecture by internationally renowned economist Hernando de Soto and a reception.

The events will begin at 4 p.m. in Graham Chapel and are free and open to the public.

The Gephardt Institute is a non-partisan entity created to encourage citizens, especially students and older persons, to become involved in public service through programs and events throughout the community, the nation and the world.

"This institute will endeavor to focus all the enormous capabilities of Washington University on the task of inspiring young and older citizens to the noble and needed work of public service," Gephardt said. "St. Louis, America and the world need gifted public citizens as never before, and I know the insti-



Gephardt

De Soto

tute will succeed in motivating and matching many of them to the challenges ahead."

Gephardt chose de Soto for the keynote address because de Soto shines as an example of what the institute stands for.

De Soto is credited with spurring rural land reforms in countries throughout the world, including ongoing programs in South Africa and China. His ideas for helping the poor create capital have been championed by the World Bank and the U.S. Agency for International Development.

The *Economist* ranks his Institute for Liberty and Democracy as one of the two most important think tanks in the world. *Time*

magazine included him in its "Time 100" list of the most powerful and influential people in the world for 2004.

The German development publication *Entwicklung und Zusammenarbeit* called de Soto one of the most important development theoreticians of the last millennium.

His book *The Mystery of Capital* made *Fortune's* "75 Smartest Books We Know"; *Forbes* magazine included him among 15 innovators "who will reinvent your future."

On the world stage, de Soto participates in several of the major economic organizations, including the World Commission on the Global Dimension of Globalization, the United Nations Development Programme Task Force to Examine Private Resources for Development, and the Research Advisory Council of The Global Markets Institute at Goldman Sachs.

Chancellor Mark S. Wrighton will introduce the program, followed by remarks by Gephardt.

The Gephardt Institute was created with a major gift from the

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## Constitution Day to be marked by discussion with Gephardt

BY ANDY CLENDENNEN

Quick — what do Philadelphia and Beverly Hills have in common?

Truth be told, not much — and that point was driven home in a recently released survey by the National Constitution Center.

The survey, distributed to 600 students, revealed that just 25.5 percent of the respondents knew that the U.S. Constitution was penned in Philadelphia; but a full 75.2 percent knew that the numbers 90210 corresponded to Beverly Hills.

Want another one? Just 21.2 percent knew how many senators serve in the U.S. Senate; 81.2 percent knew how many members are in the music group Hanson.

In May, the U.S. Department

of Education took a step to rectify the above numbers by issuing a Notice of Implementation, stating that all educational institutions receiving federal funding must provide an educational program pertaining to the U.S. Constitution on Sept. 17 — when the document was signed in 1787 — of each year, unless that date falls on a weekend.

The University will therefore hold an informal discussion Sept. 19 with Richard A. Gephardt, the former U.S. majority and minority leader from Missouri, and James W. Davis, Ph.D., professor emeritus of political science in Arts & Sciences and director of the Richard A. Gephardt Institute for Public Service at Washington University.

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## 'Freshman 15' theory is validated by medical study

BY JIM DRYDEN

College students talk about the "Freshman 15." That's the typical number of credit hours a full-time student takes during a semester.

Some also claim it's the number of pounds students gain eating dorm food and studying all night.

WUSTL researchers have now confirmed that most students do, indeed, gain weight in college.

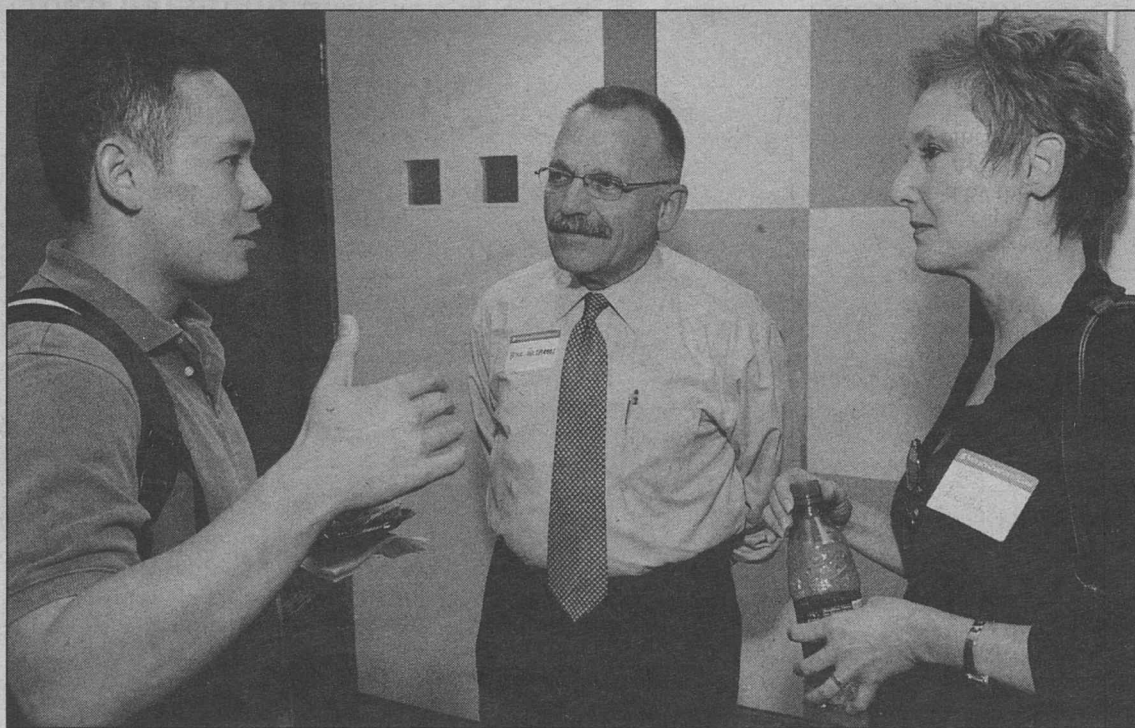
Reporting in the *Journal of American College Health*, researchers found that about 70 percent of students gained a significant amount of weight between the start of college and the end of sophomore year.

"It wasn't surprising," said principal investigator Susan S. Deusinger, Ph.D., professor and director of the Program in Physical Therapy at the School of Medicine. "Normally, eating habits in this group are not great. Most don't eat five fruits and vegetables per day, and many don't get enough exercise."

In exchange for measuring their height and weight and asking them to fill out questionnaires about eating and exercise habits, Deusinger and her colleagues offered bookstore gift certificates or small cash stipends to incoming WUSTL freshmen. They recruited 764 students for initial measurements.

After those students completed sophomore year, 290 returned for a reassessment. Seventy percent had gained weight, but

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Bill Witbrodt (center), director of Student Financial Services, and Marilyn Pollack, interim director of Dining Services, chat with Liet Le Sept. 9 in Simon Hall during an orientation session for students attending WUSTL from areas affected by Hurricane Katrina. Le, a joint M.D./M.B.A. student, is from Biloxi, Miss. He was studying at Tulane University but is now one of nearly 80 undergraduate and graduate students from affected areas who have enrolled at Washington University on a visiting, non-degree-seeking basis.

## WUSTL gives generously to hurricane relief

BY NEIL SCHOENHERR

Nearly three weeks after the devastation to the southern United States caused by Hurricane Katrina, the WUSTL community is continuing its efforts to provide relief for those in need.

Several ongoing projects are aimed at raising money and necessary supplies, and nearly 80 graduate and undergraduate students from affected areas have enrolled at the University on a visiting, non-degree-seeking basis.

"I have been heartened, but not surprised, by the many people within our community who have stepped up to help all of those who have been affected by Hurricane Katrina," said Chancellor Mark S. Wrighton in a memo to the University community. "Our students, faculty and staff are using their creativity and energy to help in a growing multitude of ways, and I couldn't be more proud of being a member of this community."

According to the University's hurricane relief Web

site ([communityservice.wustl.edu/hurricanerelief](http://communityservice.wustl.edu/hurricanerelief)), members of the WUSTL community have raised more than \$5,600 for the American Red Cross.

The following is a partial list of relief efforts and related activities.

- The St. Louis Black Repertory Company will donate proceeds from a special Sept. 13 Edison Theatre performance of *Crossin' Over*, a musical history of Africans in America, to the St. Louis Chapter of the American Red Cross. Audience members were invited to make donations.

- Olin Cares of the Olin School of Business collected supplies for AmeriCorps St. Louis. Donations from M.B.A. students and business school staff included more than 10,000 minutes worth of phone cards, three cases of baby formula and an assortment of basic hygiene supplies.

- S.O.S. (Students of the South) is continuing its "canning" drive. The group, founded by senior Caroline Landry, who is from Lafayette, La., has been rais-

See Hurricane, Page 6

## Diversity initiatives council is formed

BY ANDY CLENDENNEN

In an effort to maximize involvement in the University's diversity efforts, a group has been formed incorporating representatives from all schools and major departments at the University.

The Coordinating Council for Diversity Initiatives was formed to address diversity and gender balance in the faculty ranks and in the managerial-level administrative ranks, according to Leah Merrifield, special assistant to the chancellor for diversity initiatives.

"Previous and current approaches to strengthening diversity at the University have been driven by the individual colleges and have been focused just on faculty," Merrifield said. "This is the first time we've had a University-wide approach to the issue."

The impetus for forming this council came out of a series of discussions between Merrifield and Chancellor Mark S. Wrighton, following the most recent reaccreditation report from the North Central Association, which was released in the fall.

The report noted that Washington University had not improved in the area of diversity as much as it had in several other areas.

With that in mind, the council was formed with one main focus.

"The overriding goal is to improve the racial diversity and gender balance (where appropriate) among the faculty and professional

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## Weidenbaum Center forum Series to open with discussion of excise taxes in health care

By GERRY EVERDING

The Weidenbaum Center on the Economy, Government, and Public Policy will kick off its fall forum series with a half-day symposium on "Taxing Temptation: Excise Taxes and Health" from 9 a.m.-noon Sept. 23 in the Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

The series, which is free and open to the public, also includes forums on education finance (Nov. 4) and monetary policy (Nov. 30).

The "Taxing Temptation" program will focus on implications for the health-care industry of excise taxes and individual welfare and social policy. Participants will include industry representatives as well as nationally recognized scholars on issues of excise taxes, regulated industries and public health.

Speakers will include James R. Hines Jr., a professor of business and economics at the University of Michigan; William J. Adams, professor of economics at the University of Michigan; and Jeff Strnad, the Charles A. Beardsley

Professor of Law at Stanford University.

The "Education Finance" forum, to be co-hosted with the Federal Reserve of St. Louis, will run from 8:15 a.m.-5 p.m. Nov. 4.

This nontechnical discussion will explore public-education funding formulas and the relationship between funding and student achievement. The program will feature extensive discussion of how these issues relate to the ongoing debate over public-education financing in Missouri.

Participants will include leading scholars in the areas of school finance and accountability, as well as several public-school superintendents and state legislators.

"Monetary Policy" will be the topic of the Nov. 30 discussion featuring Laurence Meyer, former member of the board of governors of the Federal Reserve. The location and other details for this forum are still being confirmed.

Detailed agendas for each event are online at [wc.wustl.edu](http://wc.wustl.edu).

For more information, contact Melinda Warren at 935-5652 or [warren@wc.wustl.edu](mailto:warren@wc.wustl.edu).



**Mallinckrodt distinguished professor** Chancellor Mark S. Wrighton places a medallion around the neck of William F. Tate, Ph.D., professor and chair of the Department of Education in Arts & Sciences, during Tate's installation as an Edward Mallinckrodt Distinguished Professor in Arts & Sciences Sept. 6 in Holmes Lounge. The Mallinckrodt professorships honor Edward Mallinckrodt and his son, Edward Mallinckrodt Jr., both successful chemists, able businessmen and generous philanthropists supporting higher education. Both Mallinckrods served on the University's Board of Trustees. The two other Mallinckrodt professorships in Arts & Sciences are held by Lee Epstein, Ph.D., professor of political science and also professor in the School of Law; and Murray L. Weidenbaum, Ph.D., professor of economics and the honorary chair of the Weidenbaum Center on the Economy, Government, and Public Policy.

## Social entrepreneurship competition launched

By SHULA NEUMAN

The Skandalaris Center for Entrepreneurial Studies has launched a "Social Entrepreneurship and Innovation Competition" (SEIC), reinforcing the University's commitment to community service in the St. Louis region.

The inaugural event Sept. 8 featured a conversation with Joe Edwards, owner and developer of Blueberry Hill, the Tivoli, The Pageant and Pin-Up Bowl, all in the Delmar Loop neighborhood.

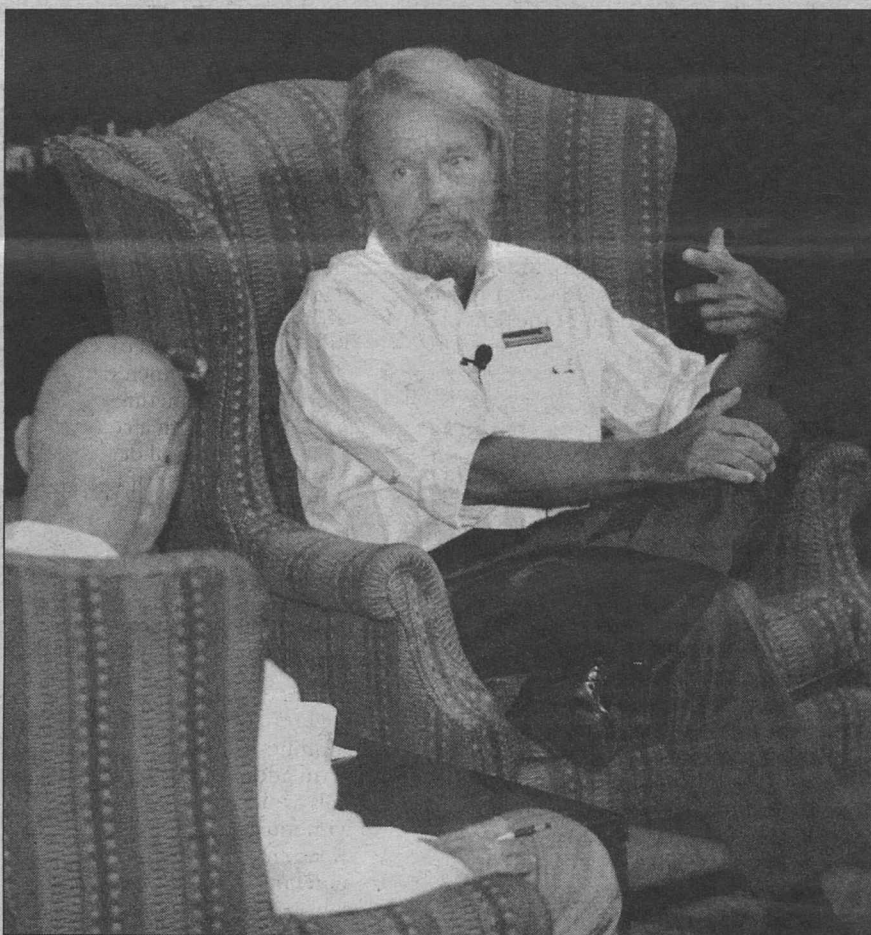
"Joe is a visionary entrepreneur whose work serves as a model for neighborhood stabilization and urban revitalization," said Kenneth A. Harrington, managing director of the Skandalaris Center and senior lecturer of entrepreneurship in the Olin School of Business.

"There is no better symbol than Joe of a social entrepreneur — someone who uses entrepreneurial skills to craft innovative processes, approaches and solutions to help resolve social issues. Joe has been a catalyst for change and collaboration in the neighborhood, with remarkable results and impact."

Rather than give a speech to the 150 people who filled May Auditorium in Simon Hall, Edwards sat in an armchair opposite another area social entrepreneur, Steve Zwolak, executive director of the University City Children's Center. Zwolak interviewed Edwards about his path from opening Blueberry Hill to spearheading the effort to turn the Loop around.

"Really, it was about survival," Edwards said. "There were some not-so-nice people in the area, and I didn't want to deal with them. I wanted to set a tone for Blueberry Hill and I realized I had to work on everybody in the neighborhood — this meant dealing with the not-so-nice people, but also talking to the other merchants and city hall."

With his unassuming demeanor, Edwards doesn't give the impression of a social maverick bent on turning a neighborhood's economic well-being around. But in the 33 years since opening Blueberry Hill, Edwards helped the Loop development expand beyond the University



**Joe Edwards, owner and developer of Delmar Loop establishments, speaks with Steve Zwolak, executive director of the University City Children's Center, at the inaugural event for the Social Entrepreneurship and Innovation Competition Sept. 8 in May Auditorium in Simon Hall.**

"It's about encouraging more people to be innovative like Joe Edwards. If we can make that happen, then we will all end up with a better society. It's about tapping into the latent energy of people that has been restrained. It's about finding and encouraging innovative ways to deliver needed public goods and services. The value of this competition is in the learning, encouragement, networking and feedback that happens when people enter."

KENNETH A. HARRINGTON

City border into the city of St. Louis.

He bought the Tivoli movie theater to preserve the building; built The Pageant to bring in top musical artists; and also bought several buildings on both sides of Skinker Boulevard, which he leases to various merchants.

Harrington said Edwards' efforts are worthy of emulation.

He said even though there is a financial prize, the SEIC isn't really about the money.

"It's about encouraging more people to be innovative like Joe Edwards," Harrington said. "If we can make that happen, then we will all end up with a better society."

"It's about tapping into the latent energy of people that has

been restrained. It's about finding and encouraging innovative ways to deliver needed public goods and services. The value of this competition is in the learning, encouragement, networking and feedback that happens when people enter."

Anyone in the region is eligible to participate in the competition. The winners will receive up to \$65,000. Part of the prize money is the \$35,000 YouthBridge prize, which will be awarded to a youth-related venture.

In June, YouthBridge — the University's partner in the SEIC — pledged \$500,000 in funding over five years to help start the competition.

The 135-year-old YouthBridge Association was previously known as the General Protestant Children's Home for orphans. YouthBridge's mission evolved to fund and support multiple innovative youth-focused social

ventures.

The competition's winners will be announced April 27, but there will be a variety of workshops and activities to provide support for participants along the way.

Harrington emphasized that the competition involves students from all parts of the University and all degree levels.

He said this involves collaboration from the George Warren Brown School of Social Work, the Olin School of Business, the School of Law, Arts & Sciences and the Sam Fox School of Design & Visual Arts.

The University and YouthBridge are inviting other area universities, institutions, community groups and foundations to collaborate on this effort. Interested individuals can participate in just some of the activities that will be held throughout the year.

For more information, go online to [scs.wustl.edu](http://scs.wustl.edu).

## Institute

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former Missouri congressman. The institute's central mission is to focus attention on the value and importance of public service — both volunteers and career employees — in the life of a democracy.

Through workshops, lectures and occasional conferences, the institute will provide information about both public service and significant public issues. It will provide services and programs designed to promote informed civic engagement, participation and public service.

It will partner with schools and service programs on campus, and with a diverse group of organizations beyond, to foster in students and older individuals the belief in contributing to society, either through volunteering or by choosing careers in the public arena.

For more information about the event or the institute, call 935-8628 or go online to [www.gephardt.institute.wustl.edu](http://www.gephardt.institute.wustl.edu).

## Day

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The "Constitution Day" discussion will center on the relevance of the Constitution in today's world and will be from 2-3 p.m. in the Women's Building Formal Lounge.

"It will provide students a unique opportunity to learn how the Constitution influences relationships between the branches of government, and when and how it affects the legislative process," Davis said.

Free copies of the Constitution will be available at the Campus Store in Mallinckrodt Student Center.

Hopefully, Constitution Day programs across the country will make a difference. After all, according to the survey, 41.2 percent of respondents knew the names of the three branches of the government, but 59.2 percent knew the names of The Three Stooges.



## School of Medicine Update

### Smoking and high-risk viruses pose danger for cervical cancer patients

BY GWEN ERICSON

**C**ervical cancer patients infected with either of two strains of human papillomavirus (HPV) were twice as likely to die of their disease as patients with other common strains of HPV, making these strains very high-risk forms of the virus, according to a School of Medicine study.

In addition, members of this group who smoked increased their risk of death even further.

Nearly all cervical cancers are associated with HPV infection of the cervix, which is now recognized as the major cause of cervical cancer. However, only a small fraction of women with HPV infection of the cervix actually go on to develop cervical cancer.

"Cervical cancer is the second-most common cancer in women worldwide," said Jason D. Wright, M.D., a gynecological oncologist at the Siteman Cancer Center and assistant professor of medicine. "It's clear that HPV plays a role, but there are differences among viral strains that influence the progression of the disease."

More than 80 strains of HPV are known to exist, and scientists divide the viruses into low- and high-risk groups. The low-risk viruses can lead to noninvasive growths such as genital warts, while high-risk viruses are implicated more frequently in pre-invasive and invasive cervical cancers.

HPV strains 18 and 45 are closely related, high-risk viruses. HPV 18 recently has been linked to a greater likelihood of disease recurrence in cervical-cancer patients, but its relation to survival has remained uncertain.

Of the 255 cervical-cancer patients compared in this study, recently published in *Gynecologic Oncology*, 65 were infected with

either HPV 18 or 45. The rest had a variety of other high-risk HPV strains.

Five years after initial treatment, 29 percent of cervical-cancer patients with HPV 18 or 45 had suffered a recurrence of their tumors, and 24 percent had died of cervical cancer.

In contrast, of those patients with the other HPV strains, only 19 percent had a recurrence, while 15 percent died.

The researchers calculated a hazard ratio of 2.08 for patients with HPV 18 or 45, indicating that for a similar tumor stage and lymph node involvement, these patients were about twice as likely to die from their disease as patients infected with other high-risk strains of the virus.

These two strains are therefore among the most dangerous of the high-risk strains of HPV.

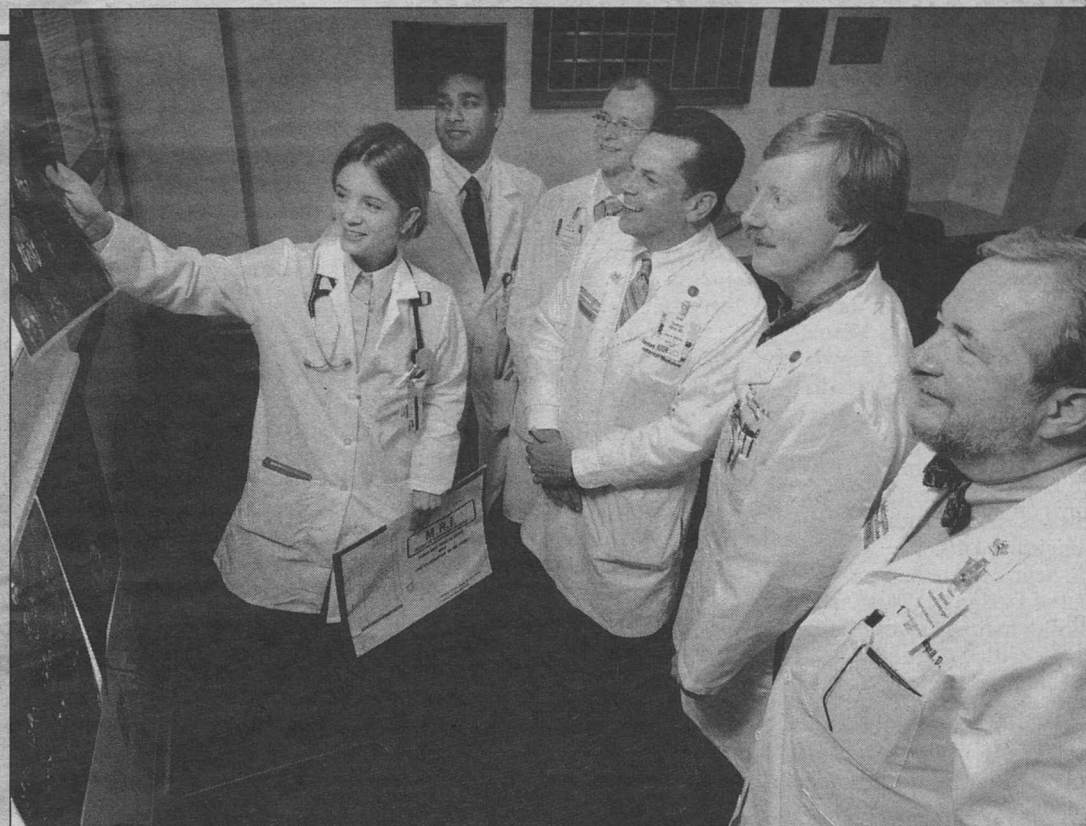
"HPV 18 and 45 are associated with more aggressive cancer that spreads earlier," Wright said. "Other studies suggest that HPV 18 transforms more normal cells into cancerous cells than HPV 16, another high-risk virus strain."

Tobacco smoke contains at least 40 known human carcinogens, and several smoke constituents have been found in cervical secretions of women smokers.

When the hazard ratio was calculated for patients with HPV 18 or 45 who also smoked, the ratio was 4.06, a second doubling of the risk of death.

The researchers are continuing to study HPV 18's association with cervical cancer.

They plan future studies to investigate the molecular causes for the increase in aggressive cancers with this strain of the virus.



**Marvelous mentors** (From right) Mentors in Medicine Program leaders Daniel M. Goodenberger, M.D.; Brian Dieckgraefe, M.D., Ph.D.; and Thomas M. De Fer, M.D., help medical residents Matthew Latacha, M.D.; Sandeep Hindupur, M.D.; and Leticia Perondi Luz, M.D., demystify the challenges of clinical and basic research. "The program provides eye-opening research opportunities to bright, young physicians who are hungry to answer clinically relevant questions but may not know exactly how to proceed," says Dieckgraefe, who directs the program. From help with experimental design through lab techniques to procuring research funding, the mentoring program provides everything residents need to pursue research questions.

### Rubin named director of Master of Arts & Doctor of Medicine Program

BY JUDY MARTIN

**D**eborah C. Rubin, M.D., has been named director of the Master of Arts and Doctor of Medicine Program (M.A./M.D.).

Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, recently announced Rubin's appointment, effective Sept. 1.

The program provides one year of individual, full-time, in-depth research experience for medical students.

Participants take a year away



Rubin

from traditional medical school classes to work on basic biomedical research or hypothesis-driven clinical research in the lab of a faculty member.

Students completing the program graduate with a combined masters and medical degree.

Rubin, professor of medicine and of molecular biology and pharmacology, is not new to the

M.A./M.D. Program, having served as a committee member for a decade.

"I'm looking forward to the opportunity to work with students in this new capacity," Rubin said.

"The individualized nature of this program allows us to work closely with participants to help them identify their strengths in the lab and further the University's commitment to translate what we learn in the lab to effective treatment for patients."

Rubin's responsibilities include meeting with program applicants and overseeing the process by which students are accepted and then matched with appropriate laboratories.

Rubin's commitment to mentoring has been evident throughout her career at the University. For the past several years, she has invited qualified high-school and college students to work in her lab.

She was also involved in creating a mentor program when she served as the chair of the Committee on Women in Gastroenterology of the American Gastroenterological Association.

Rubin serves on several University committees. She is secretary of the executive committee to the Faculty Council and previously served as a clinical representative and is vice chair of the research advisory committee in the General Clinical Research Center.

Rubin is a sought-after lecturer, having traveled around the world to present her research. Her research interests include studying how the intestine adapts to loss of small-bowel function due to disorders such as Crohn's disease or following surgical resection and gastrointestinal structure and function.

Daniel P. Kelly, M.D., who has served as director since 2001, remains on the faculty as the Alumni Endowed Professor of Medicine.

Kelly plans to devote more time to a directing a new translational research enterprise, which focuses on identifying better treatments for diabetic cardiovascular disease.

### Protein serves as motor for regenerating nerves

BY JIM DRYDEN

**A** protein that helps the ends of growing nerve cells push forward is also involved in guidance of the nerve branches, according to a study by School of Medicine researchers.

"We really thought that myosin II was just a motor, but it seems to help steer as well," said senior investigator Paul C. Bridgman, Ph.D., associate professor of neurobiology.

"Better understanding of these guidance systems is essential to efforts to regenerate injured nerves."

"It's one thing to get nerve cells to grow again, but it's another to actually direct the regenerating nerve to its appropriate target."

Bridgman and his colleague, Stephen Turney, now a Ph.D. student at the University of New Mexico, reported their results in a recent issue of *Nature Neuroscience*.

Bridgman's lab has been study-

**"We really thought that myosin II was just a motor, but it seems to help steer as well. Better understanding of these guidance systems is essential to efforts to regenerate injured nerves. It's one thing to get nerve cells to grow again, but it's another to actually direct the regenerating nerve to its appropriate target."**

PAUL C. BRIDGMAN

ing cell growth in the peripheral nervous system for more than a decade.

Growing branches from peripheral nerves form an enlargement at their tips known as a growth cone.

"It's like a little cell of its own at the tip, with its own means to move about through different environments," Bridgman said.

"But it's also connected, of course, to the nerve cell branch or

axon trailing behind it, and where the growth cone decides to go determines the path of the axon."

Bridgman's group was among the first to show that myosin II, which is similar to the myosin proteins found in muscle tissue, contracts to help give the growth cone the traction it needs to crawl forward.

The group also proved that stimulation from the environment affects the direction of a growing axon.

Growth cones have a clear preference for laminin type 1, a polypeptide found throughout the body during development but much less common in adults.

Mouse nerve cells growing across laminin in the lab will turn away when they encounter other substances and grow along

the border of the area containing laminin.

In addition, the mouse nerve cells avoid transitions to areas with much lower concentrations of laminin and instead grow along the boundaries of high-concentration regions.

In their newest study, inhibiting myosin II caused growth cones to lose their selectiveness and cross the border between a region containing laminin and a region that had no laminin.

"This proves that myosin II contributes in some way to the growth cone's ability to preferentially select laminin-rich surfaces to grow on," Bridgman said.

"This means there have to be links between receptors on the surface of the growth cone and myosin, and that's what we're now working to determine."

The hunt for those connections starts with a group of compounds known as protein kinases, which are enzymes that are involved in many different signaling processes and other activities.

Scientists know that the nerve growth cone's surface includes receptors that activate kinases.

"There are many different kinases that interact with the type of receptor found on the nerve growth cone, so it's not going to be trivial to figure out which one is important for this function," Bridgman said.

#### 'State of the Medical Center'

**L**arry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, will present the "State of the Medical

Center" address at 4 p.m. Sept. 20 and again at noon Sept. 21.

The talks will be held at the Eric P. Newman Education Center.



# University Events

## National symposium to spotlight environmental issues

By LIAM OTTEN

**L**andscape. The word evokes mountain lakes and desert plains, rivers and trees and fields of green.

Yet in present-day America, landscape has become an increasingly complex and divisive issue. Suburban development sprawls ever outward while many traditional urban cores crumble to rust and rubble. Once a nation of cities and farms, we now find ourselves confronting a frequently uneasy mixture of natural and postindustrial environments.

On Sept. 19-20, the Sam Fox School of Design & Visual Arts will host a national symposium titled "Unsettled Ground: Nature, Landscape, and Ecology Now!" Co-sponsored with the Pulitzer Foundation for the Arts, "Unsettled Ground" is the first in a yearlong series of lectures, panel discussions, artistic interventions and workshops exploring the intersection of contemporary architecture, art, ecology and

urban design.

Panel sessions run from 5-8 p.m. both days with discussions to follow. All sessions are free and open to the public and will take place in the Mildred Lane Kemper Art Museum in Steinberg Hall.

The series was organized by Peter MacKeith, associate dean of Architecture and associate director of the Sam Fox School, and by the school's Public Programs Committee, which includes Eckmann and Miller as well as Ron Fondaw, professor of Art; Jane Wolff, assistant professor of Architecture; Ellen Petraits, Art & Architecture librarian; and Lutz Koepnick, Ph.D., professor in Germanic languages & literatures and in Film and Media Studies, both in Arts & Sciences.

"Unsettled Ground" demonstrates that the Sam Fox School exists now, well in advance of the completion of construction," said MacKeith, referring to two new buildings designed by Pritzker Prize-winning Japanese architect

### Symposium participants

**P**articipants in the "Unsettled Ground: Nature, Landscape, and Ecology Now!" symposium Sept. 19-20 include:

#### Sept. 19, 5-6:15 p.m.:

- Julie Bargmann, associate professor and director of the Landscape Architecture Program, University of Virginia School of Architecture; and
- Kristina Hill, associate professor of landscape architecture, University of Washington College of Architecture and Urban Planning.

#### Sept. 19, 6:30-8 p.m.:

- Peter Mullan, director of planning, Friends of The High Line, New York; and

- Mary Ann Lazarus, senior vice president and sustainable design director, HOK Architects, St. Louis.

#### Sept. 20, 5-6:15 p.m.:

- Dan Peterman, artist, Chicago; and
- Jennifer Price, freelance writer and environmental historian.

#### Sept. 20, 6:30-8 p.m.:

- Nils Norman, artist, London;
- Sabine Eckmann, Ph.D., director and curator, Kemper Art Museum; and
- Angela Miller, Ph.D., professor of art history & archaeology in Arts & Sciences.

Fumihiko Maki, which are scheduled to open next fall.

"This series is the product of a great deal of thoughtful deliberation by a fantastic group of faculty from each of the school's principal units — Art, Architecture and the Kemper Art Museum — as well as University Libraries and the College of Arts & Sciences. It is truly a collaborative effort."

The opening symposium will

encourage audiences to explore what nature means today in our technologically mediated environment. As a statement by the programs committee points out, "Many contemporary artists find striking beauty in decaying industrial landscapes, and challenge global consumerism through aesthetic strategies such as the recycling of junk materials."

"Yet how do we appreciate

such values without cynically endorsing further destruction of our habitats and environments? How should we define concepts such as landscape, nature and ecology in the first place? Are ecological thinking and practice necessarily opposed to the commercial orientation and the global reach of postindustrial society?

"In pursuing questions such as these, 'Unsettled Ground' aims to illuminate the political, economic, aesthetic and ethical uses and abuses of the natural world."

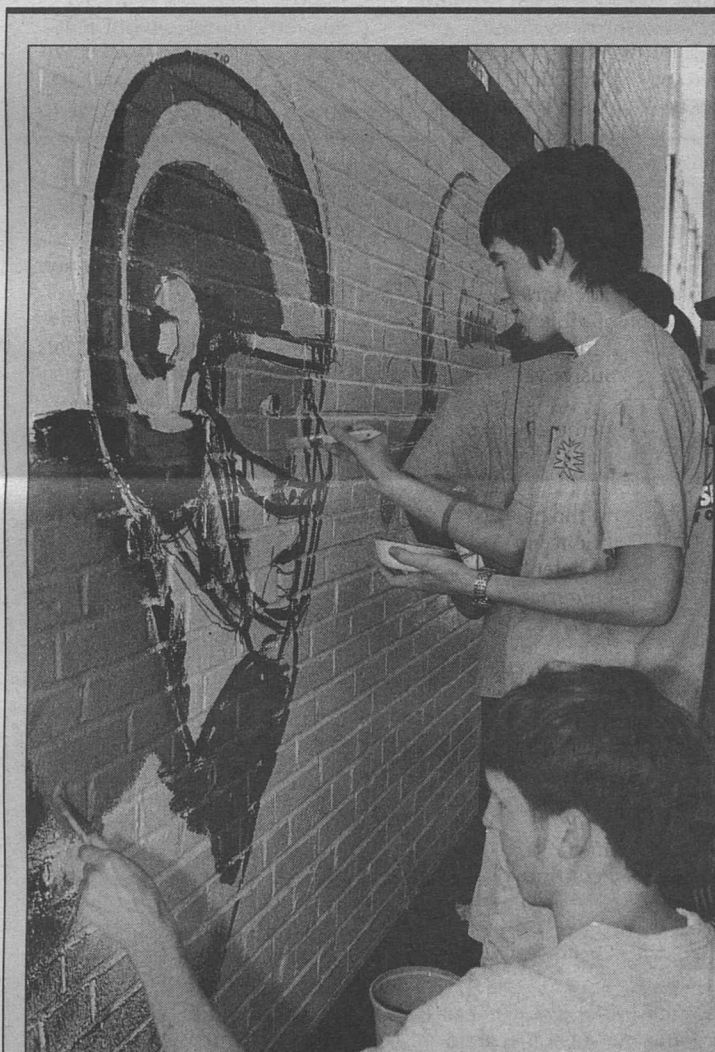
Subsequent events in the Sam Fox School's yearlong series will include:

- A lecture and workshop with Matthew Coolidge, founder and director of the Center for Land Use Interpretation in Los Angeles (Oct. 26-29);

- A lecture by William J. Cronon, Ph.D., the Frederick Jackson Turner and Vilas Research Professor of History, Geography and Environmental Studies at the University of Wisconsin (Feb. 13); and

- A lecture by Berlin-based artist Olafur Eliasson, (March 30), part of the German department's symposium "After the Digital Divide?"

For a complete schedule or further information, call 935-9347 or go online to [samfoxschool.wustl.edu](http://samfoxschool.wustl.edu).



**Service First** The seventh annual Service First, an initiative that introduces first-year University students to community service in the St. Louis area, was held Sept. 3. More than 1,000 WUSTL students, mainly freshmen, volunteered their time to paint, landscape, clean and beautify 11 St. Louis city public schools in an effort to make the school year more enjoyable for students and their teachers.

**TOP:** Freshmen Jason Anderson (foreground) and Matt Schweiker paint a St. Louis Rams football player on a wall of Roosevelt High School.

**BOTTOM:** Freshman Caitlin Molloy paints a star on the playground of Farragut High School.

## Women in Chemistry • Saving for Retirement

"University Events" lists a portion of the activities taking place Sept. 16-29 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus ([calendar.wustl.edu](http://calendar.wustl.edu)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

### Exhibitions

**Chemical Heritage Foundation Traveling Exhibit.** *Her Lab in Your Life: Women in Chemistry*. Through Sept. 23. Lab Sciences Bldg., Rettner Gallery. 935-6593.

### Lectures

#### Friday, Sept. 16

**9:15 a.m. Pediatric Grand Rounds.** "Plants, Puberty, and Paraparesis." David B. Wilson, assoc. prof. of pediatrics and of molecular biology & pharmacology. Clopton Aud., 4950 Children's Place. 454-6006.

**12:30-5 p.m. Program in Physical Therapy Symposium.** Steven J. Rose Symposium. "Contribution of Transverse Plane Rotation to Lower Extremity Injury." Cost: \$50. 4444 Forest Park Blvd. To register: 286-1404.

**7:30 p.m. St. Louis Astronomical Society Meeting.** "Building a Colony on the Moon — The View From the Second Grade." Christine Nobbe, Rockwood School District Center for Creative Learning. McDonnell Hall, Rm. 162. 935-4614.

#### Monday, Sept. 19

**4 p.m. Assembly Series.** Richard A. Gephart Institute for Public Service Lecture. "Empower the World's Poor." Hernando de Soto, global economist. Graham Chapel. 935-4620.

**5-8 p.m. Sam Fox School Symposium.** "Unsettled Ground: Nature, Landscape, and Ecology Now!" (Continues 5-8 p.m. Sept. 20). Steinberg Hall Aud. 935-9347.

**5:30 p.m. Cardiac Bioelectricity and Arrhythmia Center Seminar Series.** "Image Analysis of Cardiovascular MR Data." Amir Amini, assoc. prof. of medicine. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

#### Tuesday, Sept. 20

**Noon. Program in Physical Therapy Research Seminar.** "Multisegmental Movement Control in People With Hemiparesis: Relationships to Hand Function." Catherine Lang, instructor in physical therapy. 4444 Forest Park Blvd., Lower Lvl., Rm. B108/B109. 286-1404.

#### Wednesday, Sept. 21

**11 a.m. Assembly Series.** "Crime Can Pay: A Conversation With Lorenzo Carcaterra." Lorenzo Carcaterra, author. Co-sponsored by Film & Media Studies. Graham Chapel. 935-4620.

**4 p.m. Biochemistry & Molecular Biophysics Seminar.** "Watching Enzymes Move Along DNA One Molecule at a Time." Thomas T. Perkins, assoc. JILA fellow, Colo. U., Boulder. Cori Aud., 4565 McKinley Ave. 362-4152.

#### Thursday, Sept. 22

**4 p.m. Chemistry Seminar.** "Nitric Oxide and Oxygen Sensing: How Does Biology Control the Chemistry?" Michael A. Marletta, Aldo DeBenedictis Distinguished Professor of Chemistry, U. of Calif., Berkeley. McMillen Lab., Rm. 311. 935-6530.

#### Friday, Sept. 23

**9:15 a.m. Pediatric Grand Rounds.** "Imaging Seizures." John Zempel, asst. prof. of neurology. Clopton Aud., 4950 Children's Place. 454-6006.

**Noon. Cell Biology & Physiology Seminar.** "Where Do Oncogenic Tyrosine Kinase Signals Come From?" Michael Tomasson, asst. prof. of internal medicine. McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

#### Monday, Sept. 26

**Noon. Work, Families, and Public Policy Brown Bag Seminar Series.** "Are You Saving Enough for Retirement?" Jonathan Skinner, John French Professor of Economics, Dartmouth College. Eliot Hall, Rm. 300. 935-4918.

**5:30 p.m. Cardiac Bioelectricity and Arrhythmia Center Seminar Series.** "Inflammatory Mechanisms in Post-operative Atrial Fibrillation." Richard Schuessler, assoc. research prof. of surgery and of biomedical engineering. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

**7 p.m. Sam Fox School Architecture Lecture Series.** Brian Healy, architect, Brian Healy Architects, Boston, and Ruth & Norman Moore Visiting Professor. Steinberg Hall Aud. 935-9347.

#### Tuesday, Sept. 27

**8 a.m.-4:30 p.m. St. Louis STD/HIV Prevention Training Center CME Course.** "STD Update." (Continues same time Sept. 28-30.) Cost: \$75. For location and to register: 747-1522.

#### Wednesday, Sept. 28

**11 a.m. Assembly Series.** Thomas Fulbright Lecture in History. "The Miracle of Religion in Modern American History." Jon Butler, dean of the Graduate School

### How to submit 'University Events'

**S**ubmit "University Events" items to Genevieve Podleski of the Record staff via:

- (1) **e-mail** — [recordcalendar@wustl.edu](mailto:recordcalendar@wustl.edu);
- (2) **campus mail** — Campus Box 1070; or
- (3) **fax** — 935-4259.

Upon request, forms for submitting events may be e-mailed, mailed or faxed to departments to be filled out and returned.

University Events lists happenings sponsored by the University or its departments, schools, centers, organizations and recognized student organizations. It usually covers a 13-day time period from the Friday publication date to a week from the next Wednesday.

of Arts & Sciences and Howard R. Lamar Professor of American History, Yale U. Graham Chapel. 935-4620.

**7 p.m. Sam Fox School Visiting Artist Lecture Series.** T.L. Solien, artist. Steinberg Hall Aud. 935-9347.

#### Thursday, Sept. 29

**7:30 a.m.-5:15 p.m. General Thoracic Surgery CME Course.** "Contemporary General Thoracic Surgery." (Continues 7:30 a.m.-5 p.m. Sept. 30.) Cost: \$500. Eric P. Newman Education Center. To register: 362-6891.

**3 p.m.-8 p.m. Center for Interdisciplinary Studies Conference.** "The New Corporate Governance Conference." (Continues 9 a.m.-5:30 p.m. Sept. 30 and 8:30 a.m.-1:30 p.m. Oct. 1.) Anheuser-Busch Hall, Bryan Cave Moot Courtroom. To register: 935-7988.

**4 p.m. Chemistry Seminar.** "Tryptophan Catabolism: Gene Identification and Mechanistic Studies." Tadhg Begley, prof. of chemistry and chemical biology, Cornell U. McMillen Lab., Rm. 311. 935-6530.

**4 p.m. Molecular Biology & Pharmacology Lecture.** Annual Oliver H. Lowry Lecture. "RNAi and Development in C. elegans." Craig C. Mello, Blais Professor of Molecular Medicine, U. of Mass. Moore Aud., 660 S. Euclid Ave. 362-0198.

**4 p.m. Ophthalmology & Visual Sciences Seminar.** "Mammalian Genetics to Study Early Visual Signaling." Ana Mendez, research assoc., Zilkha Neurogenetic Inst., U. of Southern Calif. Maternity Bldg., Rm. 725. 362-1006.



## Dancer Alonzo King to present discussion

BY LIAM OTTEN

**A**claimed dancer and choreographer Alonzo King, founder and artistic director of Alonzo King's LINES Ballet in San Francisco, will take part in a public panel discussion on "Understanding Dance as the Language We Embody" at 4 p.m. Sept. 22 in the Women's Building Formal Lounge.

The talk comes as part of a residency sponsored by a grant from the National College Choreography Initiative. The grant will support a variety of workshops and master classes with both King and Arturo Fernandez, ballet master for LINES, Sept. 12-23.

In addition, King and Fernandez will set excerpts from two of King's works — *In To Get Out* and *Koto* — on students in the Performing Arts Department in Arts & Sciences' Dance Program.

Both pieces will be performed as part of *Reach/Rebound*, the Washington University Dance Theatre (WUDT) concert Dec. 2-4 in Edison Theatre.

The panel discussion, part of the Center for the Humanities in Arts & Sciences' Translation Series, is free and open to the public.

Other panelists are theater director Ron Himes, the Henry E. Hampton Jr. Artist-in-Residence and founder of the St. Louis Black Repertory Company; dancer Cecil Slaughter, artist-in-residence and director of WUDT; and Gerald L. Early, Ph.D., the Merle Kling Professor of Modern Letters in the Department of English in Arts & Sciences and director of the

Center for the Humanities.

For more information about the panel discussion, call 935-5576.

In addition, Fernandez will host an open showing of *In To Get Out* and *Koto* at 7 p.m. Sept. 23 in the Annelise Mertz Dance Studio, Room 207 of the Mallinckrodt Student Center. The showing is free and open to the public and will include the short video *Alonzo King Goes to Venice*. For more information on the showing, call 935-5858.

The National College Choreography Initiative, now in its sixth year, is underwritten by Dance/USA, a national service organization for professional dance, in conjunction with the National Endowment for the Arts (NEA). This year, the initiative awarded 35 grants totaling \$280,000.

Mary Jean Cowell, director of the Dance Program, is project director for the King grant, while Slaughter serves as rehearsal director for the WUDT works.

### Alonzo King

King has choreographed dances for many of many of the world's finest companies, including the Joffrey Ballet, Hong Kong Ballet, Dance Theater of Harlem and Alvin Ailey American Dance Theatre. He has worked extensively in opera and television and served as guest ballet master for the National Ballet of Canada, Les Ballets de Monte Carlo, San Francisco Ballet and others.

LINES Ballet, which King founded in 1982, has since emerged as an international touring

company and worked with musicians ranging from jazz great Pharoah Sanders to India's Zakir Hussain and Bernice Johnson Reason, founder of Sweet Honey in the Rock.

In 1989, King inaugurated the San Francisco Dance Center, now one of West Coast's largest dance facilities. In 2001, he launched the LINES Ballet School and Pre-Professional Program.

King's numerous honors include four Isadora Duncan Awards, an NEA Choreographer's Fellowship and an Irvine Fellowship in Dance. In 2005, he was named a Master of African-American Choreography by the Kennedy Center.

Next April, Edison Theatre and Dance St. Louis will present LINES Ballet as part of the Edison Theatre OVATIONS! Series. For more information on that show, call 935-6543.

### Arturo Fernandez

Fernandez has danced in both ballet and modern companies, including San Diego Ballet, Arizona Ballet, New Jersey Ballet, Pittsburgh Ballet Theater, Les Ballets Trockadero de Monte Carlo, Oakland Ballet and ODC/San Francisco. In 1991, he collaborated with Brenda Way and KT Nelson of ODC to create *Krazy Kat* for the San Francisco Ballet, and in 1992 he became ballet master for LINES.

Fernandez has choreographed for Inland Pacific Ballet, Los Angeles Dance Theater, San Francisco's School of the Arts and the Alabama School of Fine Arts. He has also set ballets by King on companies throughout the United States.

## Author, screenwriter Carcaterra to discuss writing for Assembly Series

BY NADEE GUNASENA

**L**orenzo Carcaterra has made a career out of writing gritty, powerful novels that become best-sellers. He will discuss his compellingly human stories of crime and violence for the Assembly Series at 11 a.m. Sept. 21 in Graham Chapel.

Carcaterra is an adjunct instructor in Film and Media Studies in Arts & Sciences. This fall, he is teaching a course called "Writing for Episodic Television."

He also is a board member of the Center for the Humanities in Arts & Sciences. Other WUSTL ties include daughter Katherine Carcaterra, a 2004 Arts & Sciences graduate.

Carcaterra's writing career is a story in itself, a journey from journalist to screenwriter and *New York Times* best-selling author.

He has written several feature film scripts and teleplays, including a stint as writer and producer for the NBC series *Law & Order* from 2003-04.

Among his most well-known works are his first two books, *A Safe Place: The True Story of a Father, a Son, a Murder and Sleepers*.

*A Safe Place* contains Carcaterra's trademark pitiless portrayal of violence and drama, describing his relationship with his abusive yet affectionate father.

In his memoir *Sleepers*, he relives the tough life of an adolescent in New York's Hell's Kitchen and the harrowing, brutal experience of being sent to a juvenile detention center. The *Atlanta Journal-Constitution* called it "A gut-wrench-

ing piece of work ... Carcaterra's graphic narrative grips like gunfire in a dark alley."

One of his recent novels, *Street Boys*, is a unique narrative set during the German takeover of Italy in 1943, inspired by the true story of a World War II battle. It tells the tale of children, orphaned and alone in Naples, Italy, who take on the advancing German army in one last desperate attempt to save their city.

In 1996, Carcaterra produced the feature-film adaptation of *Sleepers*. He

has since worked on other screenplays with director Barry Levinson, including *Dreamer*, a profile on the singer Bobby Darin. Carcaterra has also worked on a number of TV pilots for various networks.

Carcaterra began writing as a journalist. After working his way up to become an entertainment reporter at *The New York Daily News*, he wrote for publications such as *People Magazine*, *Entertainment Tonight Magazine* and *The New York Times Sunday Magazine*.

He then switched over to television, working as a managing editor for the CBS weekly series *Top Cops* for four years.

He has written several other novels, including *Apaches*, *Gangster* and *Paradise City*. He also contributes articles to *The National Geographic Traveler* magazine.

His new book, *Chasers*, is scheduled for publication in December.

Assembly Series lectures are free and open to the public. For more information, go online to [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu) or call 935-4620.



Carcaterra

## Australian poet Kinsella to read his works Sept. 22

BY LIAM OTTEN

**A**ustralian poet John Kinsella will read from his work at 8 p.m. Sept. 22 for the Writing Program Reading Series.

The reading is free and open to the public and will take place in Hurst Lounge in Duncker Hall. Kinsella is the author of more than 30 books, including *The Silo* (1995), *The Hunt* (1998), *Visitants* (1999) and *The Hierarchy of Sheep* (2001).

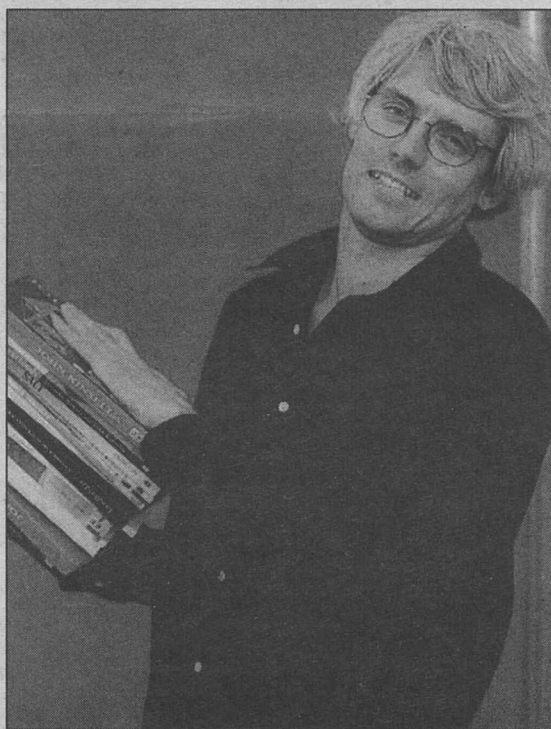
In addition, he has published a novel, *Genre* (1997) and a collection of stories, *Grappling Eros* (1998) as well as a book of autobiographical writing, *Auto* (2001), and four verse plays, collected as *Divinations* (2002).

A Fellow of Churchill College at Cambridge University, Kinsella also serves as the Richard L. Thomas Professor of Creative Writing at Kenyon College, and as adjunct professor at Edith Cowan University in Perth, Western Australia.

His work has been or is being translated into French, German, Chinese, Dutch, Spanish, Polish and Russian, among others.

Kinsella is founding editor for the international literary journal *Salt* and international editor of *The Kenyon Review*. Formerly senior poetry critic for the *Observer* newspaper, he now reviews for *Scotland on Sunday*.

Kinsella's many prizes and awards include The Grace Leven Poetry Prize; the John Bray Award for Poetry from the Adelaide Festival; The Age Poetry Book of the Year Award; The Western Australian



Australian poet John Kinsella will read from his work Sept. 22 for the Writing Program Reading Series.

Premier's Book Award for Poetry (three times); a Young Australian Creative Fellowship from the former prime minister of Australia, Paul Keating; and senior fellowships from the Literature Board of the Australian Council.

For more information, call 935-7130.

## Jazz at Holmes continues Sept. 22 with pianist Patrick McClellan

**S**t. Louis pianist Patrick McClellan will continue the Department of Music in Arts & Sciences' fall Jazz at Holmes series with a performance from 8-10 p.m. Sept. 22.

Jazz at Holmes features professional musicians from around St. Louis and abroad performing in a relaxed, coffeehouse-style setting on Thursday evenings throughout the fall and spring semesters.

All concerts are free and open to the public and take place in Holmes Lounge.

Subsequent Jazz at Holmes performances will feature:

- Pianist Ptah Williams (Sept. 29);
- Saxophonist Dave Stone

- (Oct. 6);
- Guitarist Vince Varvel (Oct. 27);
- Pianist Carolbeth True (Nov. 3);
- Bassist Tom Kennedy (Nov. 17); and
- Clarinetist Scott Alberici (Dec. 1).

In addition, the series will feature a concert Nov. 10 by Cyclo, a five-member ensemble from Rome.

Jazz at Holmes is sponsored by the College of Arts & Sciences, the Department of Music in Arts & Sciences, Student Union and WUJazz.

For more information, call 935-4841.

## Music

### Thursday, Sept. 22

8 p.m. Jazz at Holmes. Patrick McClellan, piano. Ridgley Hall, Holmes Lounge. 935-4841.

### Thursday, Sept. 29

8 p.m. Jazz at Holmes. Ptah Williams, piano. Ridgley Hall, Holmes Lounge. 935-4841.



## On Stage

### Friday, Sept. 16

8 p.m. Black Repertory Company Production. *Crossin' Over*. (Also 7 p.m. Sept. 21 & 22; 8 p.m. Sept. 17, 23 & 24; 3 p.m. Sept. 18 & 25.) Cost: \$10-30. Edison Theatre. For tickets: 534-3810.

### Friday, Sept. 23

4 p.m. Women & Gender Studies Presentation. *Words of Choice*. Uppity Theatre Company. Co-sponsored by the Performing Arts Dept. Women's Bldg. Formal Lounge. 935-5102.

7 p.m. Visiting East Asian Professionals Program Presentation. *My Journey*. Uhan Shii Theatre Group. Cost: \$10, free to students with ID. Forest Park, Saint Louis Art Museum Auditorium, 1 Fine Arts Drive. 935-8772.

## Sports

### Friday, Sept. 16

7:30 p.m. Volleyball vs. Juniata College. Annual Teri Clemens Invitational. Athletic Complex. 935-4705.

### Saturday, Sept. 17

9:30 a.m. Volleyball vs. Trinity U. Annual Teri Clemens Invitational. Athletic Complex. 935-4705.

1 p.m. Football vs. Wabash College. Francis Field. 935-4705.

5 p.m. Volleyball vs. U. of La Verne. Annual Teri Clemens Invitational. Athletic Complex. 935-4705.



### Sunday, Sept. 18

11 a.m. Women's Soccer vs. Denison U. Francis Field. 935-4705.

1:30 p.m. Men's Soccer vs. Centre College. Francis Field. 935-4705.

### Tuesday, Sept. 20

5:30 p.m. Men's Soccer vs. Ill. Wesleyan U. Francis Field. 935-4705.

7:30 p.m. Women's Soccer vs. Ill. Wesleyan U. Francis Field. 935-4705.

### Saturday, Sept. 24

7 p.m. Football vs. North Central College. Francis Field. 935-4705.

### Wednesday, Sept. 28

7 p.m. Women's Soccer vs. Principia College. Francis Field. 935-4705.

## And more...

### Saturday, Sept. 17

8:30 a.m.-4:30 p.m. Program in Physical Therapy Alumni Day. Cost: \$25. 4444 Forest Park Blvd. To register: 286-1404.

### Monday, Sept. 19

11 a.m.-1 p.m. Siteman Cancer Center Gynecologic Wellness Booth. Center for Advanced Medicine, Lvl. 3 Lobby. 605-2916.

### Thursday, Sept. 22

8 p.m. Writing Program Reading Series. John Kinsella, author. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

### Thursday, Sept. 29

8 p.m. Writing Program Reading Series. Bin Ramke, poet. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.



## Weight

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most gained less than the "Freshman 15."

The average weight gain was closer to 9 pounds, but why the students gained the weight isn't completely understood.

"There were some things we couldn't measure in this study," Deusinger said. "For example, people who are more muscular will have a higher body-mass index as a result of their muscles, rather than poor eating habits. That may have accounted for some changes."

"Others may have underestimated their caloric intake or exaggerated the amount of exercise they did. That's what most of us tend to do."

Deusinger said it's difficult to pinpoint reasons for the weight gain because most students didn't really alter their eating or exercise habits very much during the two years. They tended to make poor food choices and not get enough exercise when they began college, and that still was the case when they finished sophomore year.

"We were dismayed a bit that these young people didn't change much in terms of their habits," Deusinger said. "They grew a little taller, but they also tended to remain sedentary, high-fat, fast-food people."

Deusinger's team is continuing to study the students as they make their way through college, but preliminary results from those studies don't show much behavior change. So the team now is looking for ways to make it easier for college students to eat better foods and get more exercise.

The University has a full-time dietitian — Connie Diekman, director of University nutrition — at the Hilltop Campus.

Healthy-living dorms have opened, where students pledge that they'll stay away from drugs and won't drink to excess. Wohl Student Center in the heart of the South 40 has an exercise facility.

"There's literature that suggests if exercise options are in good proximity to work or home, people are more likely to use them," Deusinger said. "We don't want students to have to travel across campus to exercise. It's all about creating an environment where healthy choices also are convenient."

She said, for example, most working adults will munch on food that's brought into their workplace. They will eat it whether it's donuts and cookies or carrots and fruit. She wants to give college students additional easy opportunities for carrots and fruit.

"We hope to give healthful messages to children and young adults so they won't face the same health risks as their parents and grandparents," Deusinger said.

"We are a culture in which people are dying from a condition (obesity) that is, in part, controlled by behavior. To me, that's good news. If you know early that you can take steps to prevent problems later on, then to some extent, the opportunity for good health is in your own hands."

## Sports

### Senior Duesing shines in football's first win

Senior receiver Brad Duesing had eight receptions for 151 yards and two touchdowns to lead the football team (1-1) to a 27-7 win Sept. 10 at Westminster College in Fulton, Mo.

Duesing had a 14-yard TD reception in the first quarter and a 66-yard TD catch to end the third quarter as he recorded his 15th career 100-yard receiving game.

Junior running back DaRonne Jenkins also scored two touchdowns in the win, as he rushed for a career-high 104 yards on 12 carries. Junior Nick Henry finished the game 10 of 16 for 174 yards and two touchdowns, while junior Pat McCarthy was 9 of 15 for 99 yards.

The Bears totaled 455 yards of total offense, including 250 through the air. The Bears' defense allowed just 30 yards rushing and forced four turnovers.

### Volleyball squad takes down four ranked foes

The No. 1 volleyball team upended four top-15 teams Sept. 9-10 to win the WUSTL National Invitational.

The Bears defeated No. 9 College of Mount St. Joseph, 3-0, and No. 10 Ohio Northern University, 3-0, to clinch the invitational.

WUSTL swept No. 4 Wittenberg University and No. 13 Central College Sept. 9 to open the weekend.

### Men's soccer wins home opener in OT

The men's soccer team lifted the lid on its home schedule Sept. 7 with a 2-1 overtime win against Fontbonne University.

Senior Rob Weeks ended the game about midway through the first overtime period, after he gave the Bears an early 1-0 lead, rebounding sophomore Marshall Plow's shot to bury the ball in the back of the net at the 15:30 mark.

WUSTL played Westminster on Sept. 10 and earned a 0-0 draw at home. The Bears outshot the Blue Jays 27-5 but could not muster a goal.

### No. 11 women's soccer sweeps two games

The 11th-ranked women's soccer team improved to 4-1 with two victories last week.

WUSTL opened with a 2-0 win Sept. 9 at Millikin University. In the 12th minute, junior Sara Schroeder took a cross from sophomore Breta Kennedy then volleyed it into the back corner for her first goal of the season. Freshman Lauren Mehner made it 2-0 at 36:24 when she scored from 25 yards out for her second goal of the season.

On Sept. 11, sophomore Abbey Hartmann scored two goals and added an assist to lead the Bears to a 3-1 upset of No. 3 Wheaton (Mass.) College.

For complete sports schedules and results, go to [bearsports.wustl.edu](http://bearsports.wustl.edu).

## Campus Watch

The following incidents were reported to University Police **Sept. 7-13**. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at [police.wustl.edu](http://police.wustl.edu).

### Sept. 13

10:27 a.m. — The Sigma Alpha Epsilon fraternity reported that someone forced entry into the Chapter Room on the first floor and vandalized a laser-jet printer, valued at \$1,781. The incident occurred following a party. An investigation is continuing.

### Crime alert

University Police issued the following crime alert Sept. 13: A person stated he had parked his vehicle in front of his house on the 6000 block of Kingsbury Avenue at approximately 3:30 a.m. Sept. 11. As he was walking toward his front door, four males approached him. The person stated he was grabbed and struck by three of the subjects, while the fourth subject removed his wallet and keys

from his pockets. The victim stated all four males then ran East on Kingsbury.

### Precautions:

- Avoid walking or jogging alone and never walk or jog alone after dark.
- Always choose a well-lit path and avoid dark or vacant areas.
- Be alert to your surroundings.
- If you are confronted by a thief, give them what they want and don't chase them as they leave.
- Report suspicious persons or activity immediately to the police.
- Be extra cautious if someone approaches your car and asks for information.

Additionally, University Police responded to three lost articles, two larcenies, two auto accidents and one report each of damaged property, trespassing, judicial violation and suspicious vehicle.

## Hurricane

— from Page 1

ing money around the University and has collected donations in excess of \$1,000 to benefit the American Red Cross.

Donation canisters are available at several locations around the University. For a complete list of locations, go online to [communityservice.wustl.edu/hurricanerelief/donate/sos.php](http://communityservice.wustl.edu/hurricanerelief/donate/sos.php).

• Karen Levin Coburn, assistant vice chancellor for students and dean for the freshman transition, led an orientation session Sept. 9 for many of the undergraduate and graduate students the University has accepted on a visiting, non-degree-seeking basis.

• The Pediatric Interest Group at the School of Medicine collected teddy bears to be sent to affected areas.

• The Campus Store in Mallinckrodt Student Center is collecting donations for the American Red Cross at its cash registers.

• Operation Food Search has placed donation bins at various locations around the Hilltop and West campuses. Canned food and personal care items will be collected.

• The Tau Kappa Epsilon fraternity is organizing a clothing drive on the Hilltop Campus. Clothing and shoes can be donated through Sept. 30.

• Today only, the Subway restaurant in Umrath Hall will donate 50 cents to the American Red Cross for each sub, salad or wrap sold. Customers will also be welcome to make additional contributions. Subway is open from 10:30 a.m.-9 p.m.

• A University faculty roundtable discussion titled "Storms, Politics, and the Destruction of the American Gulf Coast: What Hurricane Katrina Wrought" was held Sept. 14. Panelists discussed public policy issues, the short- and long-term environmental issues for the Gulf region, the rebuilding of New Orleans and economic impacts of the hurricane.

*Editor's note: The Record will continue to cover this story and provide updates on new efforts related to hurricane relief. E-mail any information related to this topic to [record@wustl.edu](mailto:record@wustl.edu).*

## Diversity

**Daylong retreat scheduled for Oct. 15**  
— from Page 1

staff at Washington University," Merrifield said. "The initiative is designed to assist the University in attracting and maintaining a diverse and more representative population of faculty and staff."

One of the first activities undertaken by this coordinating council will be a daylong retreat with the University Council Oct. 15.

The retreat will bring the University's top leadership team together with the diversity group to begin the process of identifying the University's diversity needs and strategies to address those needs.

The coordinating council members, nominated by deans and vice chancellors and select-

ed by Wrighton, are:

- John Baugh, Ph.D. (Arts & Sciences faculty);
- Georgia Binnington (art);
- Jim Burmeister (public affairs);
- Justin Carroll (student affairs);
- Legail Chandler (human resources, Medical Campus);
- Mike Dunlap (finance);
- Ida Early (alumna & development);
- Lorraine Goffe-Rush (human resources, Hilltop Campus);
- Diana Gray, M.D. (medicine);
- Bob Hansman (architecture);
- Denise McCartney (research);
- Kim Norwood, J.D. (law);
- Judi McLean Parks, Ph.D. (business);
- Susan Rollins (Arts & Sciences staff);
- Gruia-Catalin Roman, Ph.D. (engineering);
- Will Ross, M.D. (medicine);
- Bill Wibbing (libraries); and
- Luis Zayas, Ph.D. (social work).

## Employment

Go online to [hr.wustl.edu](http://hr.wustl.edu) (Hilltop Campus) or [medicine.wustl.edu/wumshr](http://medicine.wustl.edu/wumshr) (Medical Campus) to obtain complete job descriptions.

### Hilltop Campus

For the most current listing of Hilltop Campus position openings and the Hilltop Campus application process, go online to [hr.wustl.edu](http://hr.wustl.edu). For more information, call 935-5906 to reach the Human Resources Employment Office at West Campus.

Clinical Study Coord. 050048

Asst. Dir. for Disability Resources 050099

Software Developer 050104

Coord. of Experimental Computing 050186

Curator 050226

Data Manager and Analyst 050234

Exec. Dir. Regional Development Progs. 050248

Islamic Studies Catalog/Subject Librarian 050260

Reference/Web Services Librarian 050261

Assoc. Dir. MBA Career Advising 050278

Dir. of MBA Admissions and Financial Aid 050288

Network Systems Engineer (Microsoft) 060006

Network Security Analyst 060008

User Services Supervisor 060009

Senior Dir. of Capital Projects 060012

Deputized Police Officer 060014

Dir., Lifelong Learning Institute 060016

School Accountant—Business & Law 060017

Admissions Officer 060018

Administrative Asst. 060019

Student Financial Service Rep. 060020

Project Leader/IS 060021

Administrative/Budget Asst. 060023

Assoc. Dir. of Alumni Relations 060024

Assoc. Dir. of Development, En. & App. Sci. 060025

Administrative Asst. 060028

Hazardous Materials Tech II 060029

Senior Compliance Auditor 060032

Administrative Asst. 060034

Compensation Analyst 060036

Programmer Analyst III 060037

University Safety Officer 060038

Lab Technician I 060040

Career Development Specialist 060041

Career Development Specialist—Engineering 060042

Business Development Specialist 060043

Regional Dir. of Development 060045

Communications Coordinator 060046

Senior Medical News Writer 060047

University GIS Coordinator 060048

Dir. of Community Rel. & Local Govt. Affairs 060049

Accounting Clerk III 060050

Editorial Asst. 060051

Department Secretary 060052

Lab Technician III 060053

Asst. Accountant I 060054

Staff Accountant—Tax 60055

Communications Technician I 060056

Department Secretary 060057

Computer System Specialist 060059

Temporary Filing Clerk 060061

Temporary Data Entry Clerk 060062

Accounting Asst. 060063

Sr. Research Technician 060222

Database Analyst 060223

Research Asst. 060224

Medical Asst. II 060225

Systems Manager 060228

Medical Secretary 060229

Clinical Research Nurse Coord. 060231

Research Asst. 060233

Research Patient Coord./Professional 060234

Analyst, Financial/Project Management 060235

Sr. Departmental Accounting Asst. 060237

Research Technician II 060238

Administrative Coord. 060239

Senior Budget Analyst 060241

Professional Rater I—Part Time 060242

Research Patient Coord. 060243

Staff Scientist 060246

Medical Asst. II 060247

LPN—Part Time 060252

Clinical Nurse Coord. 060255

Patient Billing/Services Rep. I 060209

Clinical Nurse Coord. 060213

Research Technician II 060220

Research Technician II 060221

Medical Secretary II 060262

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## Record

Founded in 1905  
Washington University community news

Associate Vice Chancellor Judith Jasper Leicht  
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Record (USPS 600-430; ISSN 1043-0520), Volume 30, Number 6/Sept. 16, 2005. Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130. Periodicals postage paid at St. Louis, MO.

### Where to send address changes

Postmaster and nonemployees: Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130.

Employees: Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130.



## Notables

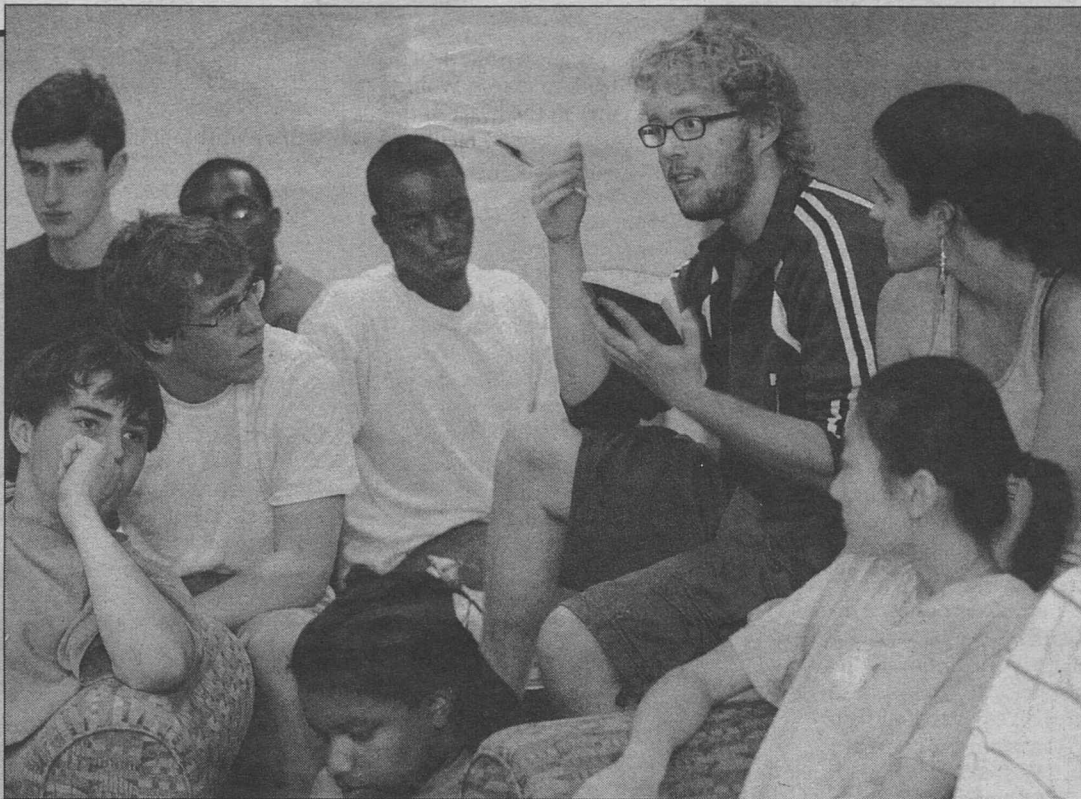
### Introducing new faculty members

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

**Lubomir P. Litov**, Ph.D., joins the Olin School of Business as assistant professor of finance. Previously, Litov taught at the Stern School of Business, New York University, while pursuing his doctoral degree. He is a recipient of the Glucksman Award for Best Working Paper in Finance as well as of the Dean's Commendation for Excellence in Teaching at the Stern School of Business. Litov's areas of expertise include corporate finance, corporate governance, international corporate finance and behavioral corporate finance. His research focuses on the impact of managerial agency costs on corporate investment and financing policy decisions. He also has studied the causes of market manipulation, the performance evaluation of mutual fund managers, and the impact of bondholder vs. equity-holder conflicts on the nature of corporate mergers and acquisitions.

**Michael D. Frachetti** joins the Department of Anthropology in Arts & Sciences as assistant professor. He earned a Ph.D. from the University of Pennsylvania in 2004, an M.Phil. from St. John's College of Cambridge University in 1998, and a B.A. from the State University of New York at Buffalo in 1997. Since 1999, he has been working on the Dzhungar Mountains Archaeology Project in Eastern Kazakhstan. His research focuses on the socio-political organization and economy of Bronze Age societies of Central Asia and the Eurasian steppe zone, with an emphasis on archaeological and ecological modeling using Remote Sensing in conjunction with Geographic Information Systems.

**Sarah Rivett** joins the Department of English in Arts & Sciences as assistant professor. Her main teaching and research interests include the literature and culture of early America and the early modern Atlantic world, with additional interests in gender studies, race, theology, and the history of science. Foregrounding an interdisciplinary approach, her work examines the intersections between science, religion, and literature from the Puritan quest for knowledge of elect souls to revivals in the age of the Enlightenment and mesmerism in antebellum reform literature. Rivett's current book project, *The Science of the Soul in Colonial New England*, examines the role of science in pious practice, demonstrating the centrality of converted women and Native Americans to a long, transatlantic history of Enlightenment empiricism.



**Book talk** A group of freshmen discuss the book *Brown* by Richard Rodriguez on Aug. 29. The book was the subject of this year's freshman reading program. All freshmen were to have read the book by the time they arrived on campus. In addition to small-group discussions, the book will be included in the curriculum of "Writing I," which most freshmen take. Rodriguez will be on campus Oct. 19-21 as a visiting Hurst Scholar and will speak with freshmen about his book.

### Rostand named communications director for School of Social Work

By JESSICA MARTIN

Ellen Rostand has been named director of communications for the George Warren Brown School of Social Work, announced Edward F. Lawlor, Ph.D., dean and the William E. Gordon Professor.

Rostand has more than 12 years of communications experience. Before joining the University, she was senior vice president of the health-care practice at Fleishman-Hillard in St. Louis, where she worked with a wide range of national clients developing and executing creative communications programs.

"Ellen's experience in health care, with universities and with social-service organizations is the perfect background for our communications work at the School of Social Work," Lawlor said. "I know that her

leadership will have a significant impact on our internal and external communications."

Prior to her work at Fleishman-Hillard, Rostand served as the special assistant to the president of the University of Chicago Hospitals & Health Systems. She also held various communications positions with the Philadelphia Health Management Corp. and other medical centers throughout the country.

Rostand earned a master's degree in business administration from the University of Chicago Graduate School of Business and a certificate in health administration and policy from Chicago's graduate program in health administration and policy.

She earned an undergraduate business degree from the Wharton School at the University of Pennsylvania.

## Campus Authors

Stephen Leet, associate professor of Architecture, Sam Fox School of Design & Visual Arts

### Richard Neutra's Miller House

(Princeton Architectural Press)

The economic factors of the Great Depression played a role in the commission and construction of the Miller House. The commissioning of any type of building in the 1930s was an incredibly optimistic venture; the investment of capital in an architect-designed winter house in the desert involved an even greater financial risk.

But the optimism and increased work brought on by a relatively brief upturn in the building industry that occurred in the mid-1930s contributed to St. Louis socialite Grace Lewis Miller's decision to carry through with her plans to build a second home.

At the same time, however, this mid-decade increase in building activity also had a negative effect on the project.

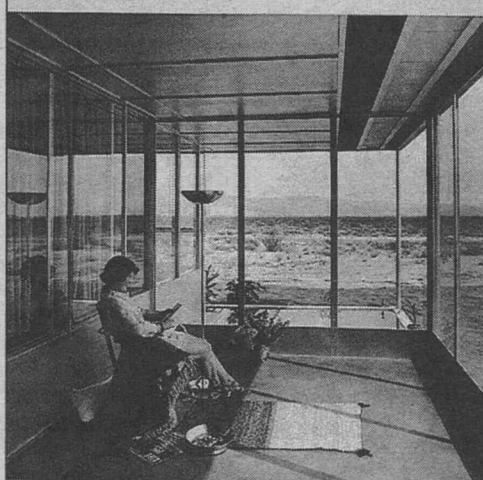
As Neutra's practice experienced a dramatic rise in commissions, the demands upon Neutra's time escalated and his health declined.

This forced the architect to limit the number of visits he made to the construction site. Meanwhile, the rise in labor and building costs attendant on an improved economy helped drive the project over budget.

The increase in construction in 1936 was significant. As recently as 1934, 100 percent of the respondents to a survey of residential construction in the U.S. on the Pacific Coast answered "no" to the survey's ques-

RICHARD NEUTRA'S MILLER HOUSE

STEPHEN LEET



tion: "Is any considerable residential construction contemplated in your community?"

In the first quarter of 1936, residential building construction saw a 75 percent gain nationwide over the same period in 1935, and non-residential building construction saw a 118 percent gain.

In a letter dated October 6, 1936, Neutra warned Miller that the boom could detrimentally affect construction costs of the house and noted his dismay over the unstable economy: "It is a sad thing that we always tumble from depressions into booms and back again."

The mid-decade boom would

prove to be temporary, but it offered relief from the relentless stranglehold the depression had had on investment in the early 1930s and seemed to provide hope for the future.

By early 1936 there was growing evidence that economic conditions were improving nationally, albeit unevenly.

Unemployment had declined to approximately 13 percent (from a high of 25 percent in 1933) and industrial production had doubled since 1932.

In April 1936 the editors of *Architectural Forum* predicted a substantial recovery for the year in the building sector, noting that building activity had increased by December 1935 to approximately 82 percent of the 1920-1930 pre-depression average.

Predictions for 1936 were for a 100 percent increase over 1935 in residential construction for the largest total in building expenditures in five years.

By early 1937, there were strong indications that the worst was over and that the Great Depression might come to an end.

### Of note

**Diane L. Damiano**, Ph.D., research associate professor of neurology, has received a transfer of \$10,958 from the United Cerebral Palsy Research & Educational Foundation for the Ethel Hausman Award. ...

**Terence Myckatyn**, M.D., instructor in surgery, has received a one-year, \$3,300 grant from The American Association for Hand Surgery for research titled "Application of a Novel Auto-Fluorescing Mouse Model to Determine Where the Axons in the Terminal End of an End-to-Side Neuroorrhaphy Come From." ...

**Kevin J. Gibson**, M.D., a resident in internal medicine, and **Lawrence M. Lewis**, M.D., associate professor of emergency medicine in medicine, have received a \$2,500 grant from the Society for Academic Emergency Medicine for research titled "Verification of an Abdominal Pain Evaluation Tool: A Pilot Study." ...

**Kevin J. Black**, M.D., associate professor of psychiatry, has received a one-year, \$500 stipend from the Alpha Omega Alpha Honor Medical Society for help to support students working with him. ...

**Michael W. Peelle**, M.D., a resident in orthopaedic surgery, has received a one-year, \$15,000 grant from the Orthopaedic Research and Education Foundation for research titled "Localization and Identification of the Gene(s) Involved in Autosomal Dominant Congenital Vertical Talus." ...

**Amy L. Waterman**, Ph.D., instructor of medicine, has received a one-year, \$40,000 grant from Barnes-Jewish Hospital for research titled "Making the Donation Request: Increasing Kidney Donation Rates Through Recipient Education." ...

**Cathy K. Naughton**, M.D., assistant professor of surgery, has received a one-year, \$10,000 grant from the Midwest Stone Institute for research titled "Optimization of Whole Tissue Testis Transplantation." ...

**David A. Peters**, Ph.D., the McDonnell Douglas Professor of Mechanical and Aerospace Engineering and chair of that department, has received a \$202,815 grant from the U.S. Army for research titled "Continuation of Development of Rotor Wake Model In State Space." ...

**Michael R. Brent**, Ph.D., professor of computer science and engineering, has received a two-year, \$200,000 grant from Monsanto Co. for his research titled "Experimental Annotation of the Maize Genome." ...

**Roman Stanchak** and **Michael Dixon**, graduate students working with Robert Pless, Ph.D., assistant professor of computer science and engineering, in the Media and Machines laboratory, each received a Canesta 3-D imaging camera for their research paper as part of a national contest. Each camera is worth \$7,500. ...

**Stefan R. Falke**, Ph.D., research assistant professor in the Environmental Engineering Science Program, and **Rudolf B. Husar**, Ph.D., professor of mechanical and aerospace engineering, have received a five-year, \$1.5 million grant from NASA for research titled "Application of ESE Data and Tools to Particulate Air Quality Management."

### Clarification

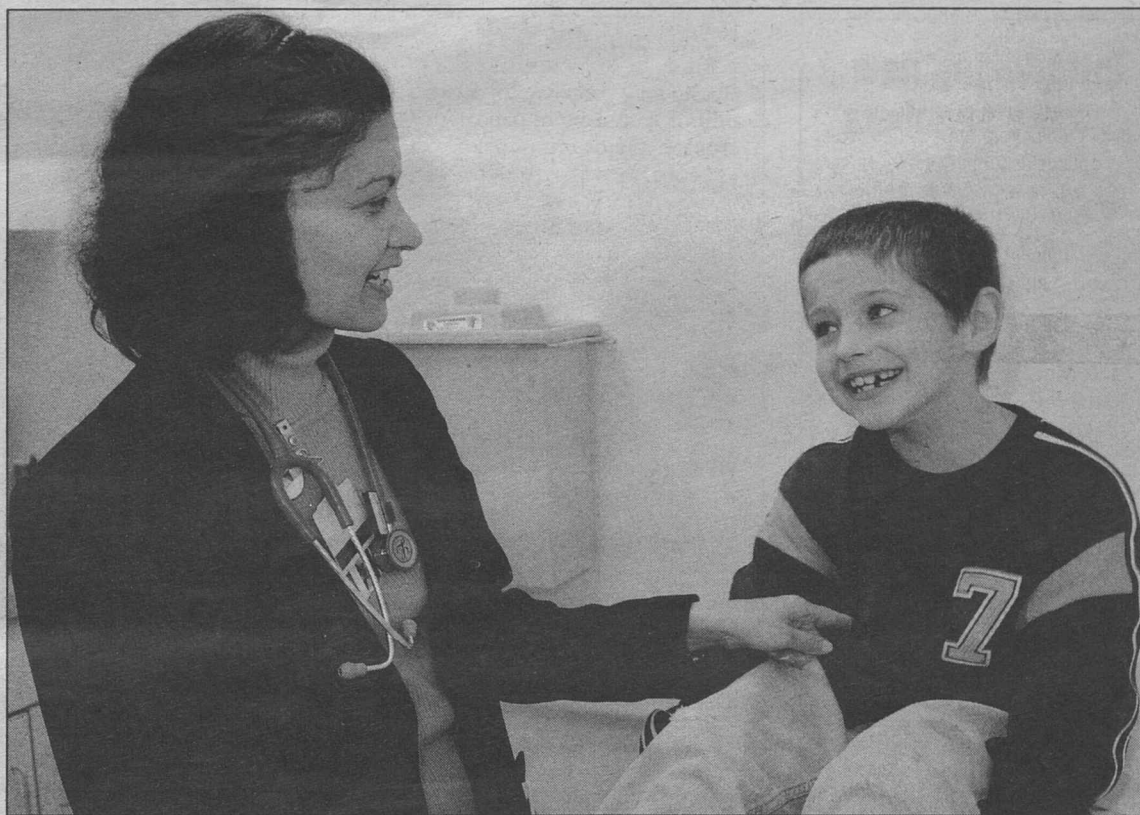
Sept. 9 issue, Page 7: Incomplete information was published with an item listed under "Of note." Tatiana Efimova, Ph.D., research assistant professor of medicine, received a Dermatology Foundation Research Career Development Award in both 2004 and 2005.



## Washington People

**"A** large part of my work involves caring for pediatric patients who are undergoing stem-cell transplants," says Shalini Shenoy, M.D. "I like what I do, because even though a transplant is a fairly rigorous intervention, the end result can be so gratifying — we can reverse a lot of very serious disorders with it."

Shenoy is assistant professor of pediatrics and associate director of the Pediatric Bone Marrow Transplant Program at St. Louis Children's Hospital, which uses bone marrow transplantation — also called hematopoietic stem-cell transplantation — to cure potentially fatal blood, immune, metabolic or malignant



Shalini Shenoy gives patient Austin Beck, 5, a playful jab. "Her approach is very individualized and addresses the specific needs of each child. I think the best thing about working for her is seeing her go the extra mile for each patient," says Yvonne Barnes, nurse practitioner for bone marrow transplant at St. Louis Children's Hospital.

## Treating the whole patient

Shalini Shenoy does much more than perform stem-cell transplants

diseases in infants and children.

This demanding area of medicine draws on hematology, oncology, immunology and pediatrics. And while Shenoy comes across as soft-spoken and compassionate, it is also clear that she has intellectual steel backing her warm personality.

This unique combination of traits seems perfectly suited for dealing with the complexity of the field while at the same time reassuring both patients and their parents during the challenging procedure.

### Exploring options

The stem cells used in transplantation are found in the bone marrow and blood and have the ability to differentiate into any of several types of blood cells.

Allogeneic stem-cell transplants replace a patient's bone marrow with stem cells obtained from donor blood, bone marrow or umbilical cord blood.

The donor stem cells lodge in the patient's bone marrow, reconstitute the marrow and supply the patient with the healthy blood, enzymes or immune factors he or she needs.

A stem-cell transplant is often the treatment of choice for certain immune or metabolic diseases where transplant is the only option for a cure. For some cancers, stem-cell transplant is usually used only if other treatments fail or if the condition can only be cured with a transplant.

While potentially life-saving, a stem-cell transplant can be arduous. Before donor cells are given, the patients' own bone marrow or immune systems are wiped out by chemotherapy, radiation or other alternatives, leaving them exhausted and vulnerable to infection.

After the transplant, it may take months for patients' immune systems to return — and they must stay relatively isolated until then.

Stem-cell transplants are also highly involved procedures.

Timing, choice of medications, dosage and other elements of pre- and post-transplant protocols can have a great effect on the course of treatment, the body's acceptance of the donor cells and the ability to cure disease.

"There are many ways to transplant," Shenoy says, "many kinds of interventions, many subtle variations on a theme. I have to decide what would be the best approach for each patient."

Standard protocols for stem-cell transplants can have adverse side effects.

"The transplants offer hope for children suffering from chronic or terminal diseases, but their side effects can be debilitating and often include sterility," Shenoy says. "We are researching ways to spare children from the harsh side effects of stem-cell transplantation."

"Dr. Shenoy's work is having a major impact on how we approach bone-marrow transplantation in patients with non-malignant diseases," says Robert J. Hayashi, M.D., director of the Bone Marrow Transplantation Program at St. Louis Children's Hospital, and associate professor of pediatrics.

"By providing strategies that allow us to perform these procedures with relatively little toxicity, we can now offer this treatment modality to cure many patients who were not considered before because the risks previously were too high."

### Common team goal

Shenoy sees the medical aspect as just a fraction of what she does.

Even more of her time is spent managing follow-up and social and psychological aspects of treatment. She works closely with patients and their families and with a large team of professionals devoted to supporting the patients from the time of transplant to long after.

This team includes nurse practitioners and nurse coordinators,

social workers, school liaisons, physical therapists, dieticians, chaplains and child life therapists, among others. Their mutual goal is to make sure the children they treat and their families understand the procedures, goals and risks and that the patients are supported throughout the transition back to a normal life after their lengthy convalescence.

"It's a multi-disciplinary team," says Yvonne Barnes, nurse practitioner for bone marrow transplant at St. Louis Children's Hospital.

"Each person has a vital role in caring for patients. Dr. Shenoy oversees the team. Her approach is very individualized and addresses the specific needs of each child. I think the best thing about working for her is seeing her go the extra mile for each patient."

"I like the global aspect of my practice," Shenoy says. "In this field you care for the patient in many ways. It's not as if I just fix them and they go home and that's it. That's just the start. We monitor them for many months to make sure there are no late complications and to follow their progress."

"And we do all we can to get them back into their pre-transplant routines and lifestyles once their immune systems are reestablished."

A natural consequence of spending so much time with patients and their families is that strong relationships develop.

Shenoy gets invited to patients' graduation parties and receives pictures of teenagers on first dates and learning to drive. She relishes hearing about the ordinary milestones reached in her young patients' lives, because they are often so hard-won.

### Importance of family

Shenoy earned a medical degree in pediatrics from Mangalore University in Manipal, India, and practiced pediatrics in India.

At that time, India offered no opportunities to branch into a subspecialty, so Shenoy decided to move to New Orleans for training in hematology/oncology.

Two years later she came to the School of Medicine.

"I think it was after I started my fellowship here that I realized I was interested in transplant, because you needed to have such comprehensive knowledge," Shenoy says. "I was introduced to the intricacies of human immunology and transplantation in the laboratory of Thalachallour Mohanakumar and was hooked."

Mohanakumar, Ph.D., is the Jacqueline G. and William E. Maritz Chair in Immunology and On-

cology and professor of surgery and of pathology and immunology.

Shenoy is married to Surendra Shenoy, M.D., associate professor of surgery, director of the Living Donation Program and a transplant surgeon at Barnes-Jewish Hospital. He comes from a town near where Shenoy grew up, and they wed in India.

"Our interests match well," Shenoy says. "He works in liver and kidney transplantation, and the fields overlap just enough that we can share ideas. But we try not to bring specific problems home with us."

The couple has one son and one daughter. Their son, Ashish, was born in India before the Shenoy's left for the States. Ashish is a sophomore at Stanford, but Shenoy doesn't think he'll pursue medicine.

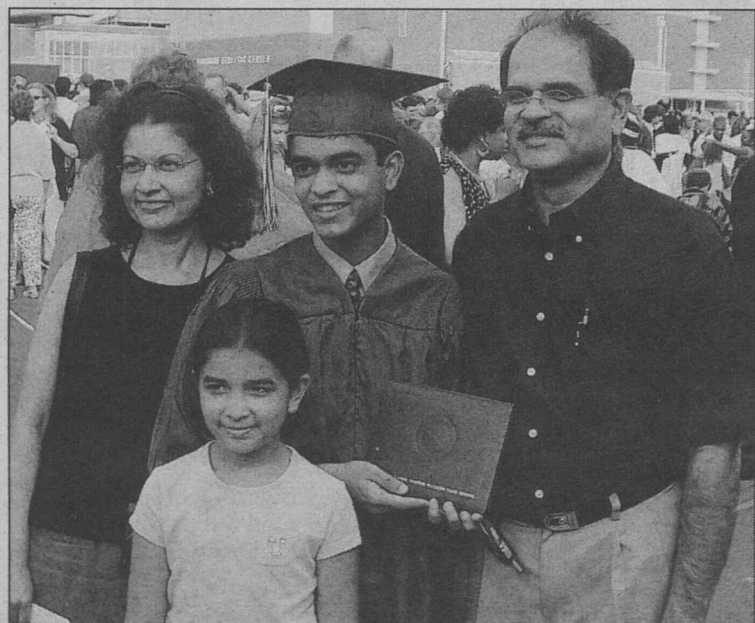
"He's interested in things like economics," she says. "He told us in sixth grade that we could essentially stop trying to teach him, because biology was not his thing. He liked math. He liked numbers. And he was fine on his own, thank you very much."

Their daughter, Neeti, is 10 and in the fourth grade. In contrast to Ashish, Neeti has expressed an interest in biology, but according to Shenoy, Neeti thinks she would rather take care of animals than people.

Family is definitely a central theme in Shenoy's life.

Her approach to her practice entails building a caring network of people around her patients. And she also feels that as part of the University, she is part of a family.

"I have a lot of friends in practice out in the community," she says. "Talking with them, makes me realize how much being at the University is like being in a family. I like the feeling of having this group I can work with. I really like that interaction."



Shalini Shenoy, husband Surendra Shenoy, son Ashish and daughter Neeti at Ashish's high-school graduation last year.