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Record



Washington University in St. Louis

April 2, 2009

record.wustl.edu

Teach For America founder Kopp to deliver Commencement address

Wendy Kopp, founder and chief executive officer of Teach For America — the national corps of outstanding college graduates who commit to teach for at least two years in some of the country's highest-need schools — has been selected to give the 2009 Commencement address, according to Chancellor Mark S. Wrighton.

The University's 148th Commencement will begin at 8:30 a.m. May 15 in Brookings Quadrangle on the Danforth Campus.

"Wendy Kopp is an inspiring person who represents a role model for our students who themselves have the ability and creativity to make a positive difference in the world," Wrighton said. "Advancing education in the United States is an important imperative, and we are very well rewarded that the founder of Teach For America has agreed to be our Commencement speaker."

Kopp, who gave an Assembly Series talk at WUSTL in March 2006, will receive an honorary doctor of humanities degree during the ceremony.

Kopp proposed the creation of Teach For America in her Princeton University undergraduate thesis in 1989.

She was convinced that many in her generation were searching for a way to assume a significant responsibility that would make a real difference in the world and that top college students would choose teaching over more lucrative opportunities if a prominent teacher corps existed.

As a 21-year-old, Kopp raised \$2.5 million of start-up funding, hired a skeleton staff and launched a grass-roots recruitment campaign. During Teach For America's first year in 1990, 500 men and women, selected from 2,500 applicants, began teaching in six low-income communities across the country.

Since then, 20,000 individuals have participated in

Teach For America, impacting the lives of approximately 3 million students.

Teach For America trains more teachers for low-income communities than any other organization or institution in the nation, and it has been recognized for building a pipeline of leaders committed to educational equity and excellence.

Teach For America recruits outstanding college seniors and recent graduates of all majors and career interests as well as working professionals. It invests in the training and professional development necessary to ensure their success as teachers in the country's highest-need urban and rural communities.

During the 2008-09 school year, some 6,200 corps members taught in 1,600 schools in 29 regions that are profoundly affected by the academic achievement gap, reaching approximately 400,000 students. Teach for America received more than 35,000 applications for the 2009 teaching corps — a 42 percent increase over last year's record numbers.

More than 14,000 Teach For America alumni continue working from inside and outside the field of education to level the playing field for children and families in low-income communities. Nearly two-thirds of Teach For America alumni remain in education, almost half of them as classroom teachers.

In addition, more than 360 alumni school leaders reach more than 330,000 students each year, while 21 alumni have founded and continue to lead some of our country's most innovative nonprofits.

Kopp also serves as chief executive of Teach For All, which supports the development of Teach For America's model in other countries.

WUSTL students are applying in increasing numbers to Teach For America; applications from seniors

See Kopp, Page 6



Kopp



MARY BUTKUS

Sharing culture through dance Ruben Littlehead Jr. performs a traditional dance during the 19th annual Pow Wow March 28 in the Field House. The Pow Wow, sponsored by the George Warren Brown School of Social Work's Kathryn M. Buder Center for American Indian Studies, featured dancing, singing, drumming, arts, crafts and food. As part of the event's theme, "Celebrating Community Health and Wellness," the Pow Wow also included health information booths.

A 'proud moment' in WUSTL history

Schaal installed as first Mary-Dell Chilton Professor

By BARBARA REA

In naming biologist Barbara Schaal, Ph.D., the Mary-Dell Chilton Distinguished Professor in Arts & Sciences, Washington University honors two of its pioneering women biologists, said Chancellor Mark S. Wrighton at Schaal's installation in Holmes Lounge March 9.

"This is a proud moment in Washington University's history," Wrighton said. "While conducting research in the biology department in the late 1970s, Mary-Dell Chilton, Ph.D., made an astonishing discovery that led to the emergence of the new scientific field of plant genetic engineering. This discovery revolutionized plant science and gave plant geneticists who followed, such as Barbara Schaal, the ability to translate that knowledge into improving the world's food crops."

Schaal, previously the Spencer T. Olin Professor in Arts & Sciences, also holds a joint position as professor of genetics in the School of Medicine. In addition, she is serving as the first female elected vice president of the National Academy of Sciences.

"Through her outstanding work, Barbara brings a high level of distinction to the biology department, to Arts & Sciences and to Washington University," said



MARY BUTKUS
Mary-Dell Chilton, Ph.D. (left), celebrates with Barbara Schaal, Ph.D., at the installation ceremony naming Schaal the Mary-Dell Chilton Distinguished Professor in Arts & Sciences.

Edward S. Macias, Ph.D., provost, executive vice chancellor for academic affairs and the Barbara and David Thomas Distinguished Professor in Arts & Sciences.

"In addition to being a pre-eminent scientist, she has been a leader in a host of professional organizations," Macias said. "Scientists from around the world

are familiar with her achievements. In so many ways, her work has global impact." Schaal's research, which has been published in more than 150 scholarly journals, involves studying the evolutionary genetics of plants, with the goal of applying that research to enrich plants such as the cas-

sava, which serves as a major food source for sub-Saharan African populations. Her team studies the use of DNA sequences to understand evolutionary processes such as gene flow, geographical differentiation and the domestication of crop species.

Ralph Quatrano, Ph.D., interim

See Moment, Page 6

Brain functions differently in people with depression

By JIM DRYDEN

School of Medicine neuroscientists have identified a key difference in the way the brain functions in people who are depressed compared with those who are not.

The study, published in a recent issue of the Proceedings of the National Academy of Sciences, demonstrates that brain regions, collectively known as the default mode network, behave differently in depressed people. The default network typically is active when the mind wanders. It shuts down when an individual focuses on the job at hand. But the researchers found the network stays active in people who are depressed, even when they are concentrating on specific tasks.

The work suggests individuals with depression may not be able to "lose themselves" in work, music, exercise or other activities that enable most healthy people to get "outside" of themselves.

"When healthy people engage in a very focused activity, they, in a sense, lose themselves," said senior investigator Marcus E. Raichle, M.D., whose research group in

2001 first identified the default mode network. "If you really are engaged in something, you kind of forget yourself, and that loss of self corresponds to the deactivation we observe in brain scans of the default network. But that doesn't seem to happen in the brains of people with depression."

Raichle, a professor of radiology, of neurology, of neurobiology, of biomedical engineering and of psychology in Arts & Sciences, said one characteristic of the default network is that it tends to involve self-referential functions. For example, it may involve memories, not just memories of facts or information but about our own experiences and how they relate to that information — the difference between remembering that hijacked planes crashed into the World Trade Center Sept. 11 and remembering where you were when you watched or heard about the attack.

Brain regions in the default network assess what is going on inside of us, to survey the effects of the environment around us and to make judgments about whether

See Depression, Page 2

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Academy of Science honors eight at WUSTL

BY BETH MILLER
AND TONY FITZPATRICK

Eight Washington University faculty members will receive Outstanding St. Louis Scientist Awards from the Academy of Science of St. Louis. Five are from the School of Medicine, and three are from the Danforth Campus.

The awards' focus is on individuals and institutions in St. Louis known worldwide for scientific contributions to research, industry and quality of life. Awards will be given at an April 30 ceremony at the Chase Park Plaza Hotel.

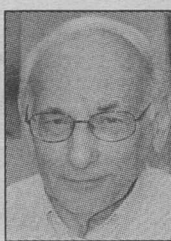
Carl Frieden, Ph.D., professor and former head of the Department of Biochemistry and Molecular Biophysics, and **Eduardo Slatopolsky**, M.D., the Joseph Friedman Professor of Renal Diseases in Medicine, each will receive the Peter H. Raven Lifetime Achievement Award.

Frieden has made significant contributions to understanding the role of conformational changes in enzymes and proteins and to the mechanism of protein folding.

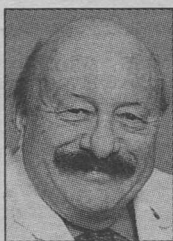
He is recognized for the development of the first user-friendly, freely provided computer program to analyze kinetic data and for the development of innovative nuclear magnetic resonance methods using fluorine-labeled amino acids to study protein folding. His current research focuses on proteins and peptides related to neurodegenerative diseases.

Slatopolsky is a world leader in the study of mineral and bone metabolism in patients with chronic kidney failure.

Over his more than 40-year career, his work has defined the way nephrology is practiced worldwide. His work has been instrumental in defining specific



Frieden



Slatopolsky



Peck



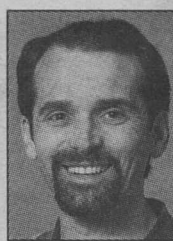
Medoff



Agarwal



Chase



Holy



May

aspects of renal failure and developing bedside therapies to treat it. He has made major scientific contributions in at least five investigational areas: the role of phosphorus in secondary hyperparathyroidism; phosphate binder therapy; Vitamin D sterols; peripheral metabolism of parathyroid hormone; and the loss of calcium-sensing receptor.

William A. Peck, M.D., the Alan A. and Edith L. Wolff Distinguished Professor of Medicine, director of the Center for Health Policy and former dean and executive vice chancellor for medical affairs, will receive the Science Leadership Award.

Peck is a nationally recognized leader of health policy, particularly in disparities in access to care and insurance, rising costs, workforce shortages and errors and inefficiencies in providing medical care. The mission of the center that he heads is to sponsor research that will aid in identifying solutions to these problems.

During his time as dean, the School of Medicine's research activities expanded markedly, contributing to the school's ranking among the top few in federal research funding. Regionally, Peck serves on the boards of two incubators emphasizing the life sciences, the Center for Emerging Technologies and the Nidus Center. Nationally, he has been the vice chairman of Research!America, chaired the

Association of American Medical Colleges, founded the National Osteoporosis Foundation, and is a member of the Institute of Medicine of the National Academies of Science.

Gerald Medoff, M.D., professor emeritus of medicine, will receive the Fellows Award.

The founder of the School of Medicine's Division of Infectious Diseases, Medoff has inspired trainees over more than three decades with his commitment to clinical medicine and his love for its scientific underpinnings. He built the division into a nationally renowned group and strengthened the area of clinical infectious diseases, serving as associate chair for clinical affairs for the Department of Medicine.

His own research in fungi and antifungal regimens is an example of scientific contributions often very relevant to clinical disease, and his careful studies of the mechanisms of antifungal agents are considered landmarks.

Ramesh K. Agarwal, Ph.D., the William Palm Professor of Engineering, will receive the James B. Eads Award.

Many of the principles developed by Agarwal and his colleagues have benefited generations of aircraft design, including improved techniques for control of advanced fighter aircraft in "phantom yaw" and the development of promising new ways to control buffeting of commercial aircraft.

In 2007, he received the gold award from Royal Aeronautical Society of United Kingdom, awarded to fewer than five Americans in more than 50 years.

In 2008, he received the Aerodynamics Award from the American Institute of Aeronautics and Astronautics (AIAA) — the highest national technical award given in aerodynamics. He also received the William Littlewood Award — a joint award from AIAA and the Society of Automotive Engineers.

Jonathan M. Chase, Ph.D., associate professor of biology in Arts & Sciences, and **Timothy E. Holy**, Ph.D., assistant professor of anatomy and neurobiology, each will receive the Innovation Award.

Chase has made important contributions to the understanding of patterns of biodiversity through space and time.

His research focuses on how communities of species are put together, what limits the numbers and types of species that can live in a given community and how those species interact with one another in food webs.

As director of the Tyson Research Center, he is applying these principles into a more general framework for the restoration of natural ecosystems in the St. Louis area.

His recent book on ecological niches has received widespread acclaim, and his ecological outreach to teachers and high-school

students is a model for the country.

Holy has made important innovations on both scientific and technical fronts that have had a major impact in neuroscience. One important discovery is male mice emit certain ultrasonic songs when close to a female mouse or her scent.

Another discovery involves a powerful new optical method for simultaneously visualizing the activity of large numbers of neurons.

Victoria L. May, assistant dean in the College of Arts & Sciences, will be honored with the Science Educator Award. May has fostered innovation in K-12 education over more than 20 years as a local and national leader.

As director of Science Outreach, she leads programs designed to improve learning through investigative experiences for students and teachers.

A believer in the power of partnership, she facilitates efforts that involve scientists and K-12 educators in classroom instruction and gets local institutions such as the Academy of Science, Missouri Botanical Garden, Saint Louis Science Center and the Saint Louis Zoo involved as well. May leads school programs funded by the National Science Foundation, the National Institutes of Health, the Howard Hughes Medical Institute, the Monsanto Fund, Boeing and MasterCard.

Campus community to donate hair for good cause

BY NEIL SCHOENHERR

Washington University Locks of Love will join forces with St. Louis' D-Zine Hair & Art Studio Monday, April 6, to host a haircut event supporting children afflicted by disease-related hair loss.

The event will take place from 11 a.m.-7 p.m. in the Danforth University Center.

Locks of Love is a national organization that makes wigs for children who have cancer or other illnesses that cause hair loss. For those wishing to donate 10 inches of hair or more, the cuts are free. All other haircuts will be \$20.

A WUSTL Locks of Love event in November raised more than \$800, and 21 heads of hair were

collected. Organizers hope to double that this time, striving to collect hair from 40 donors and \$1,600 in donations.

"I joined Locks of Love because I had always wanted to donate my hair and thought it was a great cause," junior Xin "Cissy" Si said. "Hair can always grow back, but giving self-confidence to a child can have a long-lasting benefit."

"Our events allow people to donate their hair on their own time, which I think is appealing to busy college students and faculty members. People who donate are excited to have their hair cut, and it's always fun to see the 'before and after' pictures," Si said.

Laughing Penguins photo booth studio of St. Louis will be

available to take before and after photographs for free.

D-Zine's professional stylists donate their time to the event. All hair and money collected at the event are donated directly to the national Locks of Love organization in Florida.

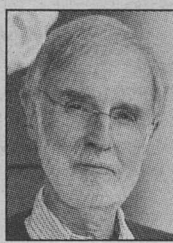
The hair is made into custom-fitted wigs for children afflicted by disease-related hair loss, while the money is used to offset the cost of wig production.

In addition to haircuts, D-Zine will sell hair-care products and donate a portion of the proceeds to the national Locks of Love organization. A bake sale will benefit WUSTL Locks of Love.

For more information, visit sugroups.wustl.edu/~washulol.

Depression

Giving people tools to reorient thinking
— from Page 1



Raichle



Sheline

or not we approve. Scientists have linked the network to inward-looking activities, a kind of internal narrative of our life stories.

The research team used functional magnetic resonance imaging (fMRI) to scan the brains of 20 people with major depression as well as 21 individuals who were not depressed. None of the people in the study were being treated with antidepressant drugs at the time of their brain scans.

Once in the scanner, subjects were shown pictures designed to evoke emotion, from snarling dogs and violent scenes to pictures of flowers and smiling faces. Sometimes, study subjects simply reacted to the picture as they saw it.

At other times, they were coached to regulate their responses. That is, if they saw a frightening picture of a snarling dog, they might remind themselves it was an imaginary scene or think to themselves that the dog was behind a fence and unable to hurt them.

Whether subjects simply reacted to the pictures or regulated their responses, brain regions in the default network became inactive as healthy participants looked at and responded to the pictures. Not so for those with depression.

"Some parts of the default network, such as the brain's amygdala, are related to emotion," said Yvette I. Sheline, M.D., professor of psychiatry and the study's first author. "And

emotional pictures made those regions more active in depressed people. Meanwhile, other structures that normally deactivate did not deactivate as much. They weren't able to shut down in the same way as a normal person's brain."

As she continues this research, Sheline is looking at the brains of depressed people following treatment with antidepressant drugs. Preliminary results suggest that their default networks function more normally.

She's also planning to test cognitive behavior therapy to see whether it might help "reset" the brain's default network in people with depression.

"People with depression often suffer from cognitive distortions," Sheline said. "This is the thinking that leads from the idea that 'I made a mistake' to the notion that 'I am a bad person.' Cognitive behavior therapy gives people tools to fight against that kind of thinking and reorient themselves in ways that make them less vulnerable to depressive thoughts."

The hope, she said, would be that treatment — with medication, cognitive behavior therapy or both — might help deactivate overactive brain regions that keep depressed people embroiled in depressive thoughts and reset the brain to function more normally.

LGBT leadership honor named for Holobaugh

BY NEIL SCHOENHERR

Lesbian, Gay, Bisexual, and Transgender (LGBT) Student Involvement and Leadership in the Campus Life Office has created a new honor named after WUSTL alumnus Jim Holobaugh (B.S., Engineering, 1990).

Holobaugh and three others will be the inaugural recipients of the award, which will be presented at 7:30 p.m. Tuesday, April 7, in Holmes Lounge.

Holobaugh was a WUSTL student and cadet in the campus Reserve Officer Training Corps program.

In 1989, after coming out as gay to his squad commander, Holobaugh was removed from the program and ordered to repay the U.S. Army for his scholarship.

Eventually succumbing to pressure from campus groups and LGBT rights organizations across

the country — in addition to an impassioned response from WUSTL administrators — the Army reversed its decision. Holobaugh went on to travel across the country, engaging diverse groups in dialogue on issues of service and citizenship.

The James M. Holobaugh Honor recognizes individuals and organizations that live and lead with integrity, engage diverse communities on issues relevant to LGBT equality, perform direct advocacy and service to the St. Louis metro community and incorporate education and dialogue as part of their practice.

In addition to Holobaugh, the other winners of the inaugural recognition are:

• Tom Broun, Ph.D., chief of mental health services at the Habib Health and Wellness Center. Broun helped found the Safe Zones program as well as Black

Men/White Men. He has worked extensively on LGBT mental health issues on campus.

• Nancy Twilley, doctoral candidate in the Department of German Languages & Literatures in Arts & Sciences. In addition to serving as a board member of Pride St. Louis, Twilley has helped create OUTgrads, WUSTL's first cross-campus social and support organization for LGBT graduate students.

• Lori Weingarten, who earned a bachelor's degree in photography from WUSTL in 2008, worked to revitalize the Safe Zones peer educators program, now used as a model for other Missouri schools. He was a member of the Student Union task force that ultimately resulted in the hiring of a LGBT programs coordinator.

For more information on the Holobaugh Honor, contact Michael Brown at 935-8029.

School of Medicine Update

Weber awarded \$4 million to study cancer cell growth

By GWEN ERICSON

Jason Weber, Ph.D., associate professor of medicine in the Division of Oncology, has received a \$4 million Era of Hope Scholar Award to study potential new ways to control breast cancer cell growth. Surprisingly, that's an area of research that has been relatively neglected.

"For the last two decades, much of cancer research has focused on how to prevent cancer cells from dividing," said Weber, also associate professor of cell biology and physiology and a researcher with the Siteman Cancer Center.

"But before cancer cells divide, they have to grow larger. My lab is investigating molecular processes that control cell growth. We think that we can find ways to interfere with growth processes. And once you stop cancer cells from growing, it should be easier to kill them," Weber said.

Era of Hope Scholar Awards are given by

the U.S. Department of Defense to individuals in the early stage of their careers who have shown a high potential for innovation in breast cancer research. Three or four of the five-year awards are given each year.

"Competition for the awards is strong," Weber said. "My lab is very excited and happy to have received one."



Weber

To grow in size, tumor cells have to ratchet up their protein production to rev up their metabolism and increase their bulk. Weber and his laboratory members are studying a key source of cell protein production with

the idea that by targeting this process they can slow or stop cancer cell growth.

They found that a well-known tumor

suppressor protein called ARF controls the activity of one of the main protein-producing components inside of cells. They showed that cells are so sensitive to the amount of ARF that slight variations in ARF levels can work like a "thermostat" to control the rate of protein synthesis and therefore cell growth. That makes ARF — and the cell components it interacts with — good potential targets for new drugs against cancer.

The researchers have identified two protein molecules that ARF controls and that are essential components of protein production. These proteins function in the nucleolus, an organelle in the nucleus of cells that produces ribosomes, which are basically molecular machines for assembling proteins.

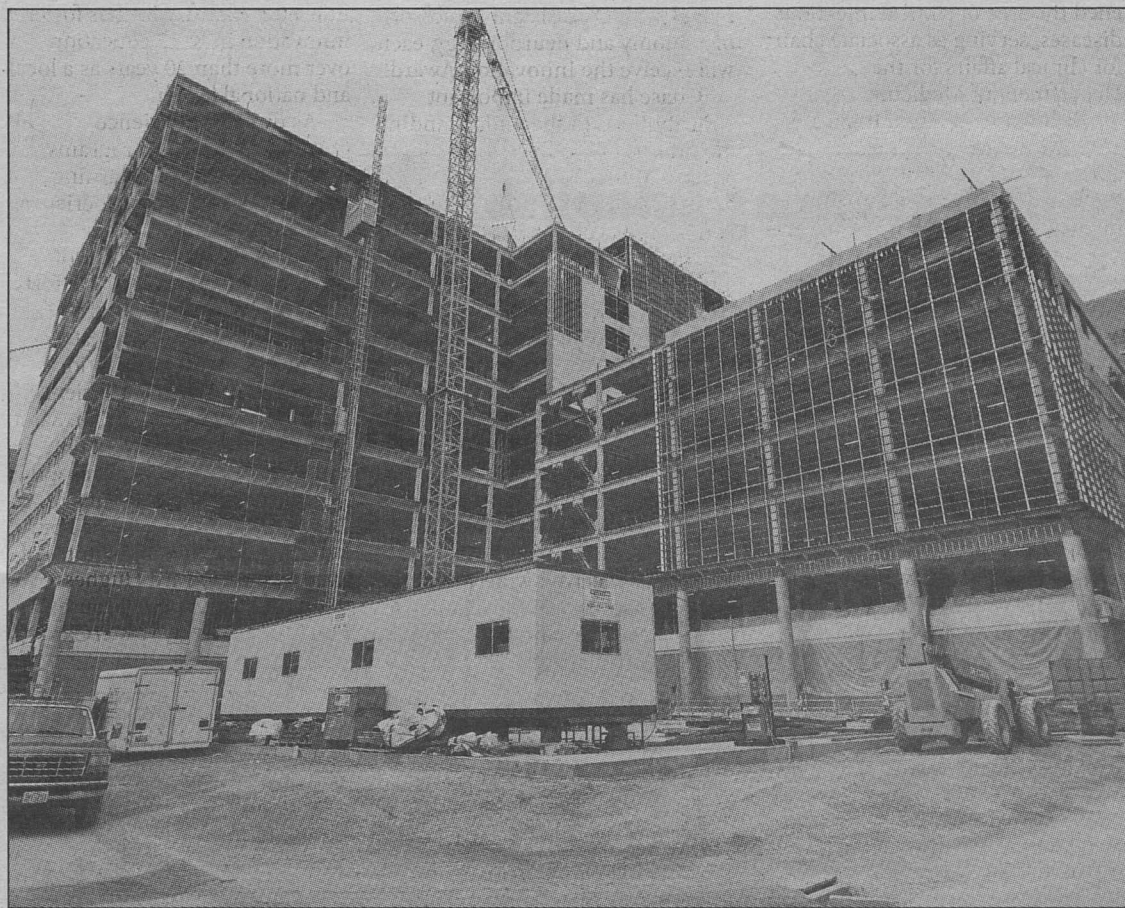
One of these nucleolar proteins has been found in unusually high amounts in almost half of breast tumors. That strongly suggests that accumulation of this molecule could be

an important aspect of breast cancer development, Weber said.

The researchers plan to study that molecule further and to learn more about the second molecule, whose role in protein production is almost completely undetermined at this point.

Weber said medical research has already uncovered several other drugs that target cancer-specific cell processes. But these agents often affect a component at a point "high up" in a complicated network of reactions within cells. That means it's possible for cancer cells to adapt to the drug by using another branch of the reaction pathway. That's why cancers often can develop resistance to drugs.

But, the protein synthesis processes associated with ARF are at the root of reaction pathways for growing cells. If a drug can knock out this part of the process, cells can't easily adapt and develop drug-resistance, Weber said.



The enclosing of the BJC Institute of Health at Washington University in brick, limestone and glass should be completed later this month.

Exterior nearly complete on BJC Institute of Health

The St. Louis area will have a lot to celebrate this December. Construction will be complete on both the new Interstate 64 and the BJC Institute of Health at Washington University.

The 11-story, 700,000-square-foot BJC Institute of Health will be the hub for BioMed 21, the University's initiative to speed scientific discovery and apply breakthroughs to patient care rapidly. It also eventually will house Barnes-Jewish Hospital support operations, potentially dietary services, clinical laboratories and pharmacies. WUSTL researchers will begin occupying the building and continue their quest to uncover new treatments and cures.

Enclosing of the building in brick, limestone and glass is under way and should be completed this

month. The concrete has been poured for what will become a scenic plaza for medical center staff and physicians and the general community to enjoy. Crews are putting the finishing touches on the service road, which will lead from Taylor Avenue to the underground loading docks. For the remainder of 2009, work will shift to finishing the interior as well as to building the plaza and streetscape.

The School of Medicine laboratories are designed to be open to facilitate teamwork and interaction. A two-story lobby with a glass entryway will lead into the building.

The Barnes-Jewish Hospital floors will be left as flexible shell space for the hospital to develop in the future.

Faculty, staff take surgical skills to Dominican Republic

Brent Matthews, M.D., associate professor of surgery, and Steve Hodgett, M.D., a fellow in the Section on Minimally Invasive Surgery, recently led a team of 11 health-care professionals on a surgical mission trip to the Dominican Republic.

The team performed primarily hernia repairs but also performed other procedures to help Dominicans who lacked access to surgical care.

The idea to organize a surgical mission had been in the works for several years. When Matthews, chief of the Section of Minimally Invasive Surgery, first arrived at the School of Medicine and Barnes-Jewish Hospital in 2004, he and Peggy Frisella, minimally invasive surgery lab administrator, discussed their experiences volunteering in developing countries and worked together to plan a surgical mission trip.

Matthews and his team traveled to Santiago in late January. They worked in conjunction with the Institute for Latin American Concern (ILAC), a faith-based group that has a freestanding clinic with three operating rooms and five exam rooms.

ILAC has a system of health-care workers, called *cooperadores*, who live in remote villages and perform health screenings. The *cooperadores* brought surgical candidates to the clinic, where the WUSTL team examined them. Four team members spoke Spanish and were strategically placed in the exam room, pre-operative and postoperative areas.

Matthews, who routinely uses advanced laparoscopy to repair abdominal wall and inguinal



Matthews



Frisella

hernias, and Hodgett performed traditional open surgery because of the limitations on the surgical equipment they could ship ahead of the trip. In addition, because most patients had a significant delay in surgical care, many of these hernias would not have been appropriate for minimally invasive techniques due to their large size and chronic nature.

"The intent was to do something that we do clinically, in an outpatient setting, for which there was a great need," Matthews said.

"Hernias are quite common as manual labor and an agrarian lifestyle predominate for most Dominicans in rural areas."

Along with Matthews and Hodgett, general surgery residents Eric Jenkins, M.D., and Lora Melman, M.D., assisted with the surgeries. Altogether, the team performed 61 surgeries on 53 patients with hernias and other conditions.

Other members of the team were Kathleen Miller, research coordinator; Kathryn Cook, veterinary technician; Susana Rodriguez-Ferrer, medical secretary; Wes Vega, a WUSTL alumnus; and Ross Thomas and Gosia Borchardt, anesthesiologists. The local Dominican health-care staff was critical in handling the flow of patients through the preoperative and postoperative areas.

The mission was made possible through grants from the Barnes-Jewish Foundation and Christian World Relief, a philanthropic group interested in supporting such mission work. The team also solicited donations of surgical equipment and supplies from private companies.

"Despite the rural setting, the care that we provided was similar to what we would do daily at the Center for Advanced Medicine in the same-day surgery center," Matthews said. "I think the patients received the best care we could deliver."

The team is planning another mission at the ILAC clinic in early 2010.

Health Happening wellness fair to be held April 9 and 10

School of Medicine employees can take advantage of a variety of screenings and information at Health Happening '09 at the Eric P. Newman Education Center.

The event will be held Thursday, April 9, from 7 a.m.-5 p.m., and Friday, April 10, from 7 a.m.-noon.

Employees will have the opportunity to get blood pressure, blood glucose and glaucoma screenings; a foot and shoe assessment; hand-strength testing; height, weight, body mass index measurement; lung-function testing; skin-

sensation reaction; and posture, fitness and flexibility screening.

In addition, Washington University physicians will be on hand throughout the day to answer employees' health questions.

Also available will be information on how to learn about and register for clinical trials, on consumer health, diabetes education, smoking cessation strategies and environmental health and safety.

Representatives from the University's health, vision and dental insurance plans will be available to answer questions

about their plans, and representatives from fitness centers with which the School of Medicine has discounts will be on site.

There also will be a spring eyeglass trunk show. Employees who bring their eyeglass prescription and choose frames will get a 25 percent discount for themselves or their family members.

Employees can purchase organic produce from a local supermarket and learn about healthy snacks, nutrition counseling and walking tips. The school's Bear Bikers cycling team will offer bike safety tips

and recruit for its team. There also will be a golf swing analysis, a yoga demonstration and chair massages.

There also will be many giveaways, including 10 \$300 gift certificates to be awarded by lottery.

"This is the largest health event ever held for School of Medicine employees," said Legail Chandler, director of human resources at the School of Medicine. "We've pulled together experts from all areas of the medical school to offer our employees a wide range of useful information."

University Events

Two WUSTL a cappella groups featured on Ben Folds album

By NEIL SCHOENHERR

Two WUSTL a cappella singing groups have been selected to appear on a new recording by pop music singer and pianist Ben Folds.

The Mosaic Whispers and Amateurs were chosen by Folds after submitting YouTube videos of themselves in an online contest. They were selected from more than 250 a cappella groups from around the country. While groups from 13 universities and one high school will appear on the album, WUSTL is the only school to feature two groups.

The album, "Ben Folds Presents: University A Cappella!" goes on sale April 28.

"We're incredibly excited," said sophomore Ellen Miller, group coordinator for Mosaic Whispers. "Ben has been great to work with, and we had a ton of fun recording our song with him."

Miller entered Mosaic Whispers in the competition unbeknownst to the other members.

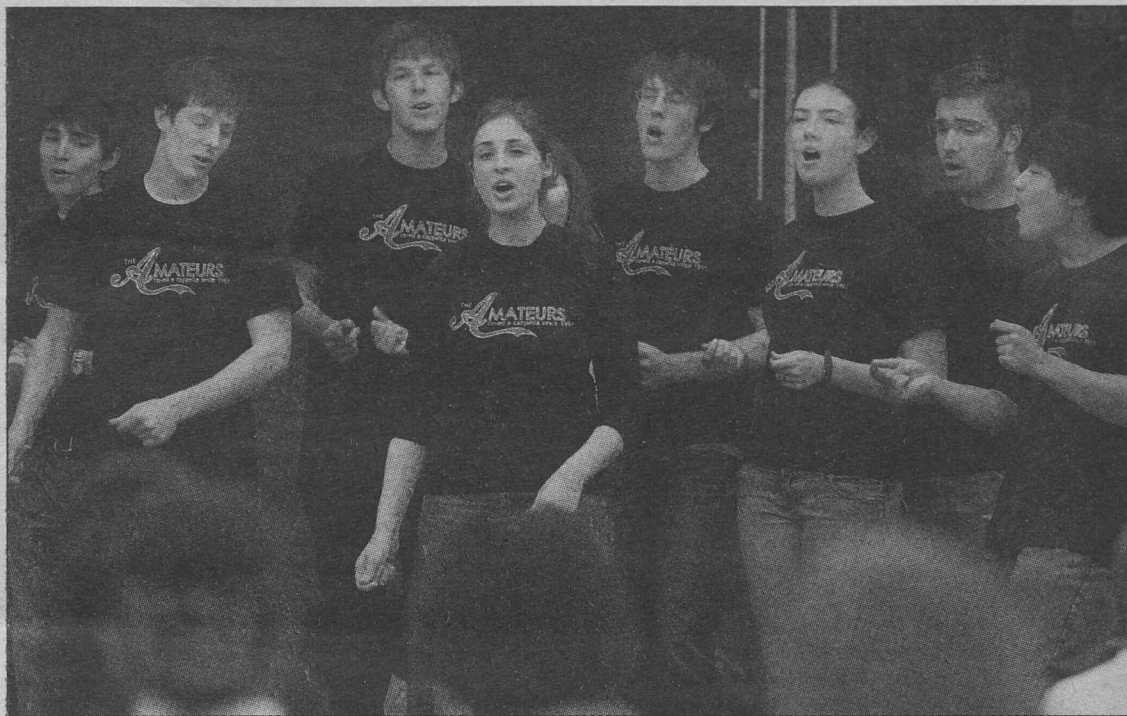
The group already had a video online performing Folds' "Still Fighting It." Miller submitted it and later was thrilled to get an e-mail from Folds saying the group had been selected.

The Amateurs had a similar experience. Emily Flanders, alumni coordinator, submitted a 2006 video of the group singing Folds' song "The Luckiest."

"Ben actually called me and told me he liked our version so much it was one of the reasons he decided to go through with this project," said Flanders, a 2007 graduate.

Many of the students who sang on the 2006 video have graduated but came back to WUSTL at Folds' request to record the song alongside current members of the Amateurs.

Both groups recorded with Folds in December at the University's 560 Music Building. Miller said Folds was looking for a very raw sound for the recording and used older microphones and equipment.



The Amateurs, one of two WUSTL a cappella groups on Ben Folds' new album, perform at the Gargoyle in the Mallinckrodt Student Center last December.

Folds is best known as the leader of the power pop trio Ben Folds Five but also has a significant career as a solo artist.

"This (album) is not a novelty,"

he said on his Web site. "I consider this my new record. I'm incredibly proud of this. If this were Ben World, this would be my greatest hits album."

The album is available for preorder on Amazon.com.

Proceeds from the sale will benefit VH1's Save the Music Foundation.

The Promise of Peace • Women in Academia • Establishing the Big Bang

"University Events" lists a portion of the activities taking place April 2-15 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (news-info.wustl.edu/calendars) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

"Eero Saarinen: Shaping the Future." Through April 27. Mildred Lane Kemper Art Museum. 935-4523.

"Expressions of Jewish Life Through Texts and Objects." April 6-June 28. Olin Library, Lvl. 1, Grand Staircase Lobby and Ginkgo Rm. 935-4151.

Film

Monday, April 6

7 p.m. **Asian and Near Eastern Languages and Literatures Film Series.** Middle East-North Africa Film Series. "Maxx." Saman Moghadam, dir. (Discussion to follow.) Seigle Hall, Rm. L006. 935-5110.

Lectures

Thursday, April 2

8:30 a.m.-5 p.m. **Center for Research on Innovation & Entrepreneurship Colloquium.** "The Economics & Law of Innovation." (Continues 8:30 a.m.-12:30 p.m. April 3, Anheuser-Busch Hall, Rm. 401.) Anheuser-Busch Hall, Rm. 310. To register: 935-9490.

10 a.m. **Postdoctoral Society Seminar Presentation.** "Academia, Research and Community: Your Responsibility to Tomorrow." Mark S. Wrighton, chancellor. Co-sponsored by Diversity Postdoctoral Association and the DBBS Student Advisory Committee. Connor Aud., Farrell Learning & Teaching Center. 852-9074.

11 a.m. **Women, Gender and Sexuality Studies Lecture.** "Strategies for Women's Success at Work." Joanne Bober, McMillan Café. 935-5102.

Noon. **Genetics Seminar.** "Decoding the Non-Coding Genome, Microbes to Man." Eddy Rubin, dir., Lawrence Berkeley National Lab. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. **Cell Biology & Physiology Lecture.** Annual Erlanger-Gasser Lecture. "Mechanisms in Endocytic Membrane Traffic." Pietro De Camilli, prof. of cell biology, Yale School of Medicine. Farrell Learning & Teaching Center, Connor Aud. 362-3964.

4 p.m. **History Colloquium.** "The Sale of Wives in Qing Dynasty China: Survival Strategies and Judicial Interventions." Matt Sommer, assoc. prof. of history, Stanford U. Eliot Hall, Rm. 300M. 935-5450.

4 p.m. **Vision Science Seminar Series.** "Boosting the Anti-Oxidant and Anti-Apoptotic Capacity of the Retina With a Novel Pharmacotherapeutic." Carl Romano, senior dir. of retina research, Alcon Lab. Maternity Bldg., Rm. 725. 362-3315.

4 p.m. **Women, Gender and Sexuality Studies Workshop.** "Negotiating the Workplace: Attitudes and Approaches." Joanne Bober, McMillan Café. Registration required. R.S.V.P. women@arts.wustl.edu.

4:15 p.m. **Earth & Planetary Sciences Colloquium.** "Mercury Pollution in California — From Subduction to Mercury in Tuna." Gordon Brown, prof. of geological & environmental sciences, Stanford U. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

7 p.m. **Assembly Series.** Congress of the South 40 Lecture. Morgan Spurlock, filmmaker. Graham Chapel. 935-5285.

8 p.m. **The Writing Program Reading Series.** David Lehman, author and poet. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Friday, April 3

11 a.m. **Energy, Environmental and Chemical Engineering Seminar.** "Metabolic Engineering: Enabling Technology for the Production of Fuels and Chemicals." Gregory Stephanopoulos, assoc. prof. of chemical engineering, Mass. Inst. of Technology. Lopata Hall, Rm. 101. 935-5548.

How to submit 'University Events'

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

e-mail — recordcalendar@wustl.edu

campus mail — Campus Box 1070

fax — 935-4259

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

Deadline for submissions is noon the Thursday prior to publication date.

Noon. **Cell Biology and Physiology Seminar.**

"Roles for A-Type Lamins on Telomere Biology and the DNA Damage Response Pathway." Susana Gonzalo, asst. prof. of radiation oncology, McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

12:30 p.m. **Biostatistics Seminar Series.** Shuangge Ma, asst. prof. of public health, Yale U. Shriners Bldg., Rm. 3307, 706 S. Euclid. 362-1565.

4 p.m. **Sam Fox School Spring Lecture Series.** "Urban Imaginaries, the Modernist Miniature and the Feuilleton." Andreas Huyssen, prof. of German and comparative literature, Columbia U. (Reception 3:30 p.m.) Co-sponsored by the Dept. of Germanic Languages & Literatures. Brookings Hall, Rm. 300. 935-9300.

5 p.m. **Dept. of Music Lecture Series.** "Yowling Freer Than We Ever Dreamed: The Godz and the Joys of Incompetence." Patrick Burke, asst. prof. of music, McMillan Hall, Rm. 149. 935-5566.

6:30 p.m. **Sam Fox School Spring Lecture Series.** Lorcan O'Herlihy, founder/principal, Lorcan O'Herlihy Architects, Culver City, Calif. (Reception 6 p.m.) Steinberg Aud. 935-9300.

Saturday, April 4

10 a.m. **Physics Saturday Science Seminar Series.** "Galileo: A Founder of Modern Physics." John S. Rigden, adj. prof. of physics, Crow Hall, Rm. 201. 935-6276.

Monday, April 6

4 p.m. **Immunology Research Seminar Series.** "Regulation of the Host Anti-Viral Response by ISG15." Debbie Lenschow, asst. prof. of medicine, Farrell Learning & Teaching Center, Connor Aud. 362-2763.

6:30 p.m. **Sam Fox School Spring Lecture Series.** Paul Monaghan, partner, Allford Hall Monaghan Morris, London. (Reception 6 p.m.) Steinberg Aud. 935-9300.

Tuesday, April 7

Noon. **Molecular Microbiology and Microbial Pathogenesis Seminar Series.** "Involvement of RNase L in Antiviral Innate Immunity." Robert H. Silverman, dept. of

cancer biology, Cleveland Clinic. Cori Aud., 4565 McKinley Ave. 362-2842.

4 p.m. **Center for the Humanities Faculty Fellows' Series.** "Haunted Heimat: The Specter of Male Violence in Postwar West German Film." Jennifer Kapczynski, asst. prof. of German and film and media studies. Duncker Hall, Rm. 201, Hurst Lounge. 935-5576.

5:30 p.m. **Biochemistry & Molecular Biophysics Biophysical Evenings Seminar.** "Single Molecule Transcription by RNA Polymerase II." Eric Galbur, asst. prof. of biochemistry & molecular biophysics. Cori Aud., 4565 McKinley Ave. 362-4152.

Wednesday, April 8

4 p.m. **Genetics Seminar.** QUAD-Departmental Seminar Series. "Epigenetics, Chromatin Remodeling and Mammalian Development." Terry Magnuson, prof. and chair of genetics, U. of N.C. at Chapel Hill. Co-sponsored by depts. of Biochemistry & Molecular Biophysics, Cell Biology & Physiology and Developmental Biology. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

Thursday, April 9

4 p.m. **Assembly Series.** Biggs Lecture. Richard Martin, Homeric poetry and ancient Greece scholar. Steinberg Aud. 935-5285.

4 p.m. **Vision Science Seminar Series.** "Genetic Origins of Cataracts: Exotic Genes for an Obscure Trait." Alan Shields, assoc. prof. of ophthalmology, Maternity Bldg., Rm. 725. 362-3315.

7 p.m. **Assembly Series.** The Onion Guys, satirists. Co-sponsored by WUunderground and University Libraries. 935-5285.

Friday, April 10

9:15 a.m. **Pediatric Grand Rounds.** "Simulation-Based Training: The Intersection of Performance Assessment and Safe Practice." David Murray, prof. of anesthesiology, Clopton Aud., 4950 Children's Place. 454-6006.

4 p.m. **Dept. of Music Lecture Series.** "In the Treasure Chamber of Memory: Medieval Music in Modernity." Annette Kreutziger-Herr, Principia College. McMillan Hall, Rm. 149. 935-5566.

Monday, April 13

Noon. **Work, Families and Public Policy Brown Bag Seminar Series.** "AIDS and Economic Development: The Role of Reproductive Health and Family Planning Policies." Raul Santaeulalia-Llopis, asst. prof. of economics, Seigle Hall, Rm. 348. 935-4918.

3 p.m. **Siteman Cancer Center Neuro-Oncology Research Group Seminar Series.** "Brain Tumor Response Assessment With Imaging." Robert McKinstry, assoc. prof. of radiology, South Bldg., Rm. 3907, Philip Needleman Library. 454-8981.

4 p.m. **Immunology Research Seminar Series.** Paul E. Lacy Lecture. "Toll-like Receptor Signaling." Shizuo Akira, Osaka U. Moore Aud., 520 S. Euclid Ave. 362-2763.

5:30 p.m. **Cardiac Bioelectricity & Arrhythmia Center Seminar.** "Impulse Propagation During Development and Disease." Glenn I. Fishman, prof. of

medicine, New York U. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

Tuesday, April 14

Noon. **Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Mining the Cell Surface: How *Helicobacter Pylori* Colonizes and Grows on the Epithelium." Manuel Amieva, asst. prof. of pediatrics and microbiology & immunology, Stanford U. School of Medicine. Cori Aud., 4565 McKinley Ave. 362-2772.

4 p.m. **Anesthesiology Lecture.** Annual C.R. Stephen Lecture. "Regulation of Oxygen Homeostasis by Hypoxia-Inducible Factor 1." Gregg L. Semenza, prof., Johns Hopkins U. School of Medicine. Eric P. Newman Education Center. 454-8701.

4 p.m. **Center for the Humanities Faculty Fellows' Series.** "The Promise of Peace: Kant's Wartime and the Tremulous Body of Philosophy." David L. Clark, asst. prof. of English and cultural studies, McMaster U. Duncker Hall, Rm. 201, Hurst Lounge. 935-5576.

4 p.m. **Center for Research in Economics & Strategy Lecture.** "Trust and Trustworthiness: An Experimental Economics Approach." Rachel T. A. Croson, prof. of economics, U. of Texas at Dallas. (Reception follows, Lopata Courtyard.) Simon Hall, Rm. 106. 935-6707.

4 p.m. **Vision Science Seminar Series.** "Motor Neurons Require Motor Proteins: From Single Molecules to Degenerating Neurons." Erika L. Holzbaur, prof. of physiology, U. of Pa. School of Medicine. Maternity Bldg., Rm. 725. 362-3315.

4:30 p.m. **Freedom From Smoking Class.** "Thinking About Quitting." (Also at 5:30 p.m. April 14.) Center for Advanced Medicine, Barnard Health and Cancer Info. Center. To register: 362-7844.

Wednesday, April 15

8:30 a.m. **Center for Research in Economics & Strategy Lecture.** "Status of Women in Academia." Rachel T. A. Croson, prof. of economics, U. of Texas at Dallas. (Reception follows.) Simon Hall, Rm. 106. 935-6707.

11 a.m. **Assembly Series.** Women's Society Lecture. "Making a Purchase That Makes a Difference: The Blessing Basket Project." Theresa Wilson, founder, The Blessing Basket. Graham Chapel. 935-5285.

11 a.m. **Computer Science & Engineering Lecture.** Cox Distinguished Lecture. "An Open Platform for Robotics Research." Steve Cousins, president and CEO, Willow Garage. Whitaker Hall Aud. 935-6160.

3:30 p.m. **History Colloquium.** "Hermaphrodites and History: Surgery and Intersex in the Middle Ages." Leah DeVun, asst. prof. of history, Texas A&M U. (Reception follows.) Eliot Hall, Rm. 300M. 935-5450.

4 p.m. **Institute for Public Health Faculty Seminar Series.** "Recent Trends in Alcohol Misuse and Dependence in the U.S.: Implications for Policy and Prevention." Rick Grucza, research asst. prof. of psychology. Goldfarb Hall, Rm. 132. 454-7998.

4 p.m. **McDonnell Center for the Space Sciences Colloquium.** McDonnell Distinguished Lecture Series. "Establishing the Big Bang." P. James E. Peebles, prof. of science emeritus, Princeton U. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

Engineering Expo set for April 6

The School of Engineering & Applied Science will host the daylong Expo 2009 Monday, April 6.

From 9 a.m.-5 p.m., high-school students and members of the campus community are invited to visit Lopata and Whitaker halls, where a variety of activities are planned to showcase the school's achievements and research.

Activities include an admissions presentation and tour; engineering class visits;

engineering student organizations fair; laboratory tours; and research presentations by students and faculty.

Greg Sullivan, CEO of Global Velocity and a 1981 graduate of WUSTL in systems science and mathematics, will deliver a keynote address during the Expo, and student-built race cars will be available for viewing.

Members of the campus community — staff, faculty and students — should R.S.V.P. at engineering.wustl.edu.

Lehman to speak for Writing Program Reading Series

Poet David Lehman, Ph.D., editor of "The Best American Poetry" series, will read from his work at 8 p.m. Thursday, April 2, for The Writing Program in Arts & Sciences.

The talk — part of The Writing Program Reading Series — is free and open to the public and takes place in Duncker Hall, Room 201, Hurst Lounge. A reception and book signing will immediately follow.

Lehman's collections of poems include "Poetry Forum: A Play Poem: A Pfem" (with Judith Hall, 2007), "Jim and Dave Defeat the Masked Man" (with James Cummins, 2006), "When a Woman Loves a Man" (2005), "The Evening Sun" (2002), "The Daily Mirror: A Journal in Poetry" (2000), "Valentine Place" (1996), "Operation Memory" (1990) and "An Alternative to Speech" (1986).

Lehman launched "The Best American Poetry" series in 1988 and also serves as general editor of the University of Michigan Press' "Poets on Poetry" series. In 2006, he edited "The Oxford Book of American Poetry" and last year

edited a new anthology, "The Best American Erotic Poems: From 1800 to the Present."

Lehman's books of criticism include "The Last Avant-Garde: The Making of the New York School of Poets" (1998), which was named a "Book to Remember 1999" by the New York Public Library; "The Big Question" (1995); "The Line Forms Here" (1992); and "Signs of the Times: Deconstruction and the Fall of Paul de Man" (1991). His study of detective novels, "The Perfect Murder" (1989), was nominated for an Edgar Award from the Mystery Writers of America.

Born in New York City in 1948, Lehman graduated from Columbia University and attended Cambridge University in England as a Kellett Fellow before earning a doctorate in English from Columbia University. He is associate professor of writing and poetry coordinator for The New School.

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

Martin to deliver Biggs Lecture for Assembly Series

BY MARY KASTENS

Richard Martin, Ph.D., the 2009 John and Penelope Biggs Resident in the Classics, will deliver the Assembly Series' annual Biggs Lecture at 4 p.m. April 9 in Steinberg Auditorium.

His talk will center on his approach to Homeric poetry and how it is so much more than an abstract study of language. Folklore, social anthropology, the study of performance and linguistics, Martin said, all contribute to his study of Homer and how Homer's epics "existed as a performance art in Ancient Greece, as opposed to the way that we conceptualize it as written text."

Martin will present an overview of current Homeric research, then discuss his own field work in Crete, interviewing people who still memorize the traditional oral epics and recording them singing these poems. Martin compares ancient Greek poetry with modern rap.

Martin is the Antony and Isabelle Raubitschek Professor in Classics at Stanford University. Before joining the Stanford faculty in 2000, he taught classics for

18 years at Princeton University.

Born and raised in Boston, Martin studied medieval and modern Irish language and literature at Harvard University, where he earned a bachelor's degree in classics and Celtic literature and master's and doctoral degrees in classical philology.

Martin is a senior fellow at the Center for Hellenic Studies in Washington, D.C., and a member of the American Philological Association.

Among his numerous publications are "Myths of the Early Greeks" (2003), "The Language of Heroes: Speech and Performance in the Iliad" (1989), "Healing, Sacrifice, and Battle: Amechania" (1983) and "Related Concepts in Early Greek Poetry" (1983). He also edited "Bulfinch's Mythology" (1991).

Martin also will deliver a colloquium titled "Apollo the Player" at 4:15 p.m. Monday, April 6, in the Women's Building Formal Lounge.

All events are free and open to the public.

For more information, call 935-5123 or visit assemblyseries.wustl.edu.



Relay for life Bob Hansman (center), associate professor of architecture and artist-in-residence in the Sam Fox School of Design & Visual Arts, walks with a group of cancer survivors and Relay For Life steering committee members during the opening lap of the annual Relay For Life fundraising event March 21 and 22. Hansman overcame malignant melanoma in the 1970s. More than 2,000 people participated in the 12-hour walk at Bushyhead Track, helping to raise more than \$121,000 for the American Cancer Society. Donations will be accepted until Aug. 31 at relayforlife.org/washumo.

Sports

Men's tennis extends winning streak to six

The No. 2 men's tennis team extended its winning streak to six with an 8-1 victory over Grinnell College March 29 at the Tao Tennis Center.

The victory was WUSTL's 23rd straight at home dating back to the 2006-07 season and its 40th in the past 41 home court matches. The Bears are 66-6 (.917) at home under head coach Roger Follmer.

Follmer, meanwhile, has been named head coach of the World Team Tennis St. Louis Aces, which plays its matches in the summer. The 2006 ITA/Wilson Division III National Coach of the Year will continue to serve as head coach at WUSTL.

Women's tennis ends week on high note

The No. 15 women's tennis team ended a week of difficult matchups on a high note, as the Bears defeated No. 13 Middlebury College, 6-3, at the conclusion of the

Emory University Fab Five Tournament March 29 in Atlanta.

WUSTL began the week with a 6-2 loss to Division II Drury University March 24 and suffered a 5-4 setback to No. 9 Mary Washington University to open play at the Emory Fab Five Tournament March 27. The Bears then fell to No. 1 Williams, 7-1, before coming back to pick up the win over Middlebury. That win marked the third time this season WUSTL has defeated a team ranked ahead of them.

The Bears (8-3) open play at the Midwest Invitational Friday, April 3, in Madison, Wis.

Track athletes set NCAA qualifying times

The men's and women's outdoor track and field team each had a student athlete provisionally qualify for the 2009 NCAA Division III outdoor championships at the Washington University Mini Meet March 27 at Bushyhead Track.

Senior Alli Alberts placed second in the javelin, but her toss of 40.37 meters set a new school record and provisionally qualified her for the NCAA championships.

On the men's side, senior Tanner Coghill won the 400-meter hurdles with a NCAA provisional time of 53.26.

The Bears had four other first-place finishers at the meet. Senior Danielle Wadlington won the 100-meter hurdles (15.11), senior Erika Wade placed first in the 400-meter dash (58.60), junior Molly Schlamb won the 1,500-meter run (4:44.29), and freshman Elizabeth Phillips took first in the 800-meter run (2:16.45).

Postseason honors for men's basketball

After leading the men's basketball team to its second consecutive NCAA Division III national title, head coach Mark Edwards has been named the National Association of Basketball Coaches (NABC) and Molten/DIII News Division III National Coach of the Year.

Edwards will receive his NABC award Sunday, April 5, in Detroit in an awards show to be televised on the CBS College Sports Network Monday, April 6, at 6 p.m.

He will receive the coveted Molten Gold Trophy ball to recognize his DIII News Coach of the Year honor at a later date.

Three players picked up post-season honors as well. Junior guard Aaron Thompson, senior forward Tyler Nading and senior point guard Sean Wallis all were named to DIII News All-America teams. Thompson picked up first-team honors, Nading was named to the fourth team, and Wallis earned honorable mention.

WUSTL to host WBCA All-America Game

The Women's Basketball Coaches Association (WBCA) High School All-America Game will take place at 4:30 p.m. Saturday, April 4, at the WU Field House.

The game takes place in conjunction with the 28th annual WBCA National Convention and the NCAA Women's Final Four in St. Louis April 5 and 7.

Tickets for the event are \$15 and can be purchased at ticketweb.com.

Music

Thursday, April 2

8 p.m. **Jazz at Holmes.** Jan Shapiro, vocalist, and William Lenihan, guitar. Ridgley Hall, Holmes Lounge. 862-0874.

Wednesday, April 3

6 p.m. **Kemper Presents Concert Series.** Illphonics. Kemper Art Museum. 935-4523.

Thursday, April 9

8 p.m. **Concert.** Arianna String Quartet. Danforth University Center, Formal Lounge. 935-5566.

8 p.m. **Jazz at Holmes.** Wee Trio. Ridgley Hall, Holmes Lounge. 862-0874.

Friday, April 10

6 p.m. **Kemper Presents Concert Series.** FIRE DOG. Kemper Art Museum. 935-4523.

Saturday, April 11

7 p.m. **Senior Voice Recital.** Jay O'Brien. Ballroom Theater, 560 Trinity Ave. 935-5566.

And More

Thursday, April 2

4 p.m. **Gephardt Institute for Public Service Poster Session & Ceremony.** "Faces of Hope." Mark S. Wrighton, chancellor, and Richard A. Gephardt, former congressman. (Reception follows.) Whitaker Hall Aud. R.S.V.P. to 935-8628.

Friday, April 3

Noon-4 p.m. **Mentors in Medicine Symposium.** Oral presentations and poster viewing. Farrell Learning & Teaching Center. 362-8065.

Monday, April 6

9 a.m.-5 p.m. **School of Engineering and Applied Science Expo 2009.** Showcase of achievements and research. For more information: expo@cec.wustl.edu.

11 a.m.-7 p.m. **Locks of Love.** Charity hair-cutting event. Danforth University Center, Fun Room. For more information: sugroups.wustl.edu/~washulol.

Thursday, April 9

7 a.m.-5 p.m. **School of Medicine Health and Wellness Fair.** "Health Happening '09." (Continues 7 a.m.-noon April 10.) Eric P. Newman Education Center. 362-7196.

Sports

Friday, April 10

2 p.m. **Men's Tennis vs. U. of Texas-Tyler.** Tao Tennis Center. 935-4705.

5:30 p.m. **Women's Tennis vs. Carthage College.** Tao Tennis Center. 935-4705.

Saturday, April 11

10 a.m. **Men's Tennis vs. U. of Chicago.** Tao Tennis Center. 935-4705.

Noon. **Baseball vs. Westminster College.** Athletic Complex. 935-4705.

1:30 p.m. **Women's Tennis vs. U. of Texas-Tyler.** Tao Tennis Center. 935-4705.

Tuesday, April 14

4 p.m. **Men's Tennis vs. U. of Mo.-St. Louis.** Tao Tennis Center. 935-4705.

Wednesday, April 15

4 p.m. **Softball vs. Maryville U.** WUSTL Field. 935-4705.

Green Your Office

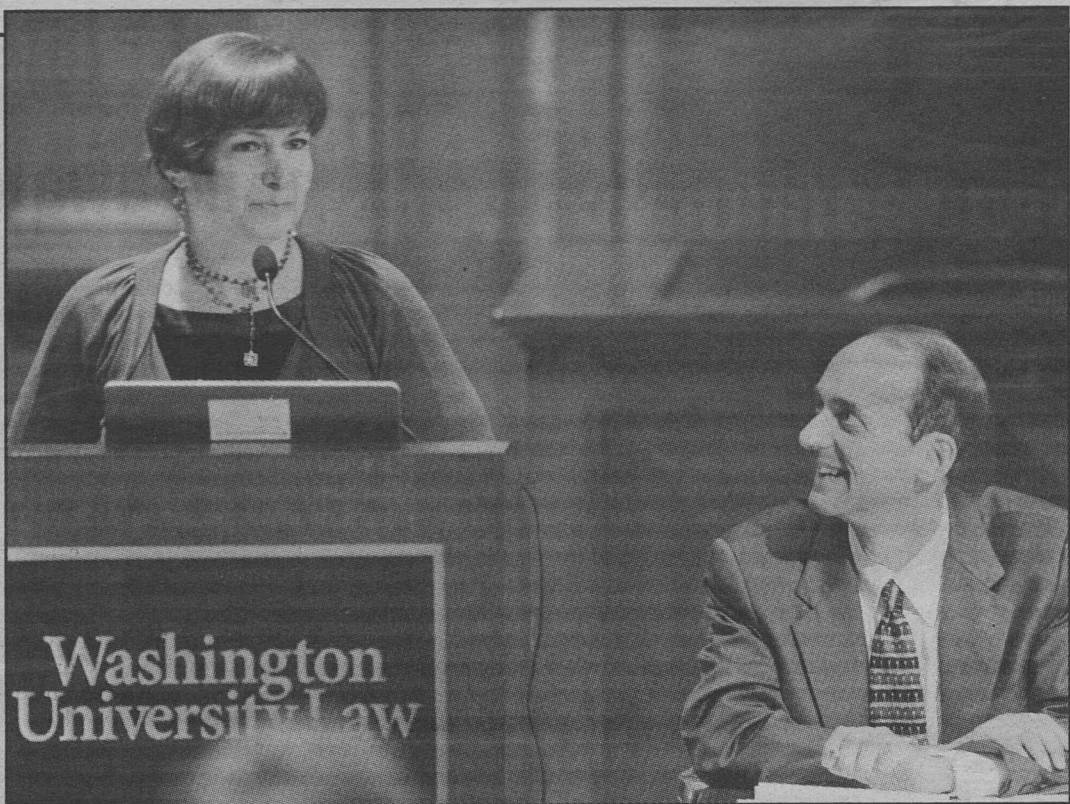
If you are going to be out of the office, unplug all appliances, including microwaves, chargers and fridges (please clean the fridge first and leave the door open).

Celebration of champions April 15

The Department of Athletics will hold a Celebration of Champions at 7 p.m. April 15 in the WU Field House.

The national champion men's basketball team will be recognized, along with the second-place women's basketball team. WUSTL will also be honoring junior swimmer Alex Beyer, who won the NCAA Division III national championship in the 400 IM, other members of the swimming team and sophomore Ben Harmon of the men's indoor track and field team.

Festivities will include the unveiling of the 2009 championship banner, a presentation of the national championship trophy and comments from the team. Free pizza, free championship posters and free 2009 NCAA national championship T-shirts will be available while supplies last.



Town hall meeting Simona Mirela Miculescu (left), United Nations ambassador from Romania, addresses a town hall meeting on "Food Security and Humanitarian Intervention" March 24 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall as Thomas Schweich, J.D., visiting professor and ambassador-in-residence at the School of Law, looks on. The meeting, hosted by the School of Law, featured a delegation of eight senior diplomats from the United Nations. The delegation was in St. Louis for three days as part of the Humpty Dumpty Institute and World Affairs Council's "U.N. Across America" initiative, which shows ambassadors and other diplomats parts of the United States that they might not normally have an opportunity to visit.

Moment

— from Page 1

dean of the faculty of Arts & Sciences and the Spencer T. Olin Professor, said of her dedication to students: "Barbara understands the centrality of the teaching mission here, the importance of collaborating and mentoring students."

Quatrano said Schaal also is an outstanding citizen of the University, having served on a number of committees, and, from 1993-97, chaired the department.

One way to gauge the importance of Schaal's research is that it is primarily supported through highly competitive funding from the National Science Foundation. Another measure involves her advisory role for scientific issues for the U.S. government as chair of the Division of Earth and Life Studies of the National Research Council.

Throughout her career, Schaal has been honored with prestigious awards, including a Guggenheim Fellowship, the Key Award from the American Genetics Association and the Distinguished Alumni Award from the University of Illinois.

At WUSTL, she has received the Founders Day Distinguished Faculty Award and the Arthur Holly Compton Faculty Achievement Award.

Born in Berlin, Germany,

Schaal grew up in Chicago and became a U.S. citizen in 1956. She earned an undergraduate degree in biology from the University of Illinois at Chicago and a doctorate from Yale University. Before joining WUSTL in 1980, she taught at the University of Houston and Ohio State University.

Kathryn Miller, Ph.D., chair of the biology department and professor, viewed Schaal's appointment as an appropriate link. "It is very fitting that this distinguished professorship honoring Mary-Dell Chilton be conferred on Barbara Schaal," Miller said. "They are both remarkable and accomplished women who have had major impact worldwide through the research they performed at Washington University."

Currently, Chilton is distinguished science fellow and principal scientist II at Syngenta Biotechnology Inc., located in Research Triangle Park, N.C. Syngenta supplies crop protection and seed products and develops all of its genetically modified crop seeds.

Chilton's contributions to the biotech company are such that her portrait hangs prominently within the administrative and conference center, which is named after her.

She has served in a number of key roles at Syngenta since leaving WUSTL in 1983 as associate professor in biology.

Prior to this, Chilton worked as a postdoctoral researcher and

research faculty member at the University of Washington. She earned undergraduate (with highest distinction) and graduate degrees in chemistry from the University of Illinois at Urbana-Champaign.

While at the University of Washington, Chilton led a team from three departments in a study of how a bacterium can cause tumors (gall) to grow on plants. They found that the bacterium carried tumor-inducing genes that it specifically transferred into the plant cell, making them grow rapidly. Chilton recalls the irony of giving cancer to tobacco plants, which were the white rats of the plant kingdom.

At WUSTL, her group studied how this worked and found a way to "disarm" the tumor-inducing genes and get the bacteria to insert genes for crop improvement. In a collaboration with Andrew Binns, Ph.D., of the University of Pennsylvania, Chilton's team produced the first transgenic plant and showed that it passed the new trait to its progeny.

In 2002, Chilton joined the list of such scientific luminaries as Thomas Edison and Marie Curie as the recipient of The Franklin Institute's Benjamin Franklin Medal in Life Sciences. Other major honors include being inducted into the National Academy of Sciences in 1985 and the American Academy of Arts and Sciences in 1993.

Jefferson Award for Public Service (1991).

Kopp serves on a number of boards, including the board of directors of The New Teacher Project and on the advisory boards of the Center for Public Leadership at Harvard University's Kennedy School of Government, Duke University's Center for the Advancement of Social Entrepreneurship, and the National Council on Teacher Quality.

She holds a bachelor's degree from Princeton, where she participated in the undergraduate program of the Woodrow Wilson School of Public and International Affairs. At 25, she was the youngest person and the first woman to receive the university's Woodrow Wilson Award (1993), the highest honor the school confers on its undergraduate alumni.

Kopp resides in New York City with her husband, Richard Barth, and their four children.

and What I Learned Along the Way," chronicles the organization's creation and development, including numerous challenges she faced in its first decade.

In 1994, Time magazine recognized Kopp as one of the 40 most promising leaders under 40; in 2006, U.S. News & World Report named her one of America's best leaders; and, in 2008, Time named her one of the world's 100 most influential leaders.

Kopp, who holds nine honorary degrees, received the Presidential Citizens Medal from George W. Bush in 2008. The medal, which is the country's second-highest civilian honor, recognizes citizens who have performed exemplary deeds of service for the nation.

She has also received the John F. Kennedy New Frontier Award (2004), the Clinton Center Award for Leadership and National Service (2003), Aetna's Voice of Conscience Award (1994) and a

Crain installed as Rutledge Professor

By JESSICA MARTIN

Marion G. Crain, J.D., was installed as the Wiley B. Rutledge Professor of Law March 30 in the Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

Rutledge served as the law school's dean and a U.S. Supreme Court Justice. Before his deanship from 1931-35, he was a beloved law professor. As a former student remembered years later, Rutledge made everyone in his classes understand that the law's ultimate goal is to produce fairness instead of advantage in its application.

Crain succeeds John O. Haley, J.D., as the Rutledge professor. Haley is now the William R. Orthwein Distinguished Professor of Law.

Kent D. Syverud, J.D., dean and the Ethan A.H. Shepley University Professor, said many parallels exist between Rutledge and Crain.

Rutledge's authoritative biography, by John Ferren, is titled: "Salt of the Earth, Conscience of the Court."

"Marion Crain's scholarship and teaching is animated by a passion for justice, rigor in analysis and a healthy seasoning of the down-to-earth knowledge of how real people work and live," Syverud said. "She is a wonderful citizen of Washington University."

Crain's scholarship examines the relationships among gender, work and class status, with a particular emphasis on collective action.

She is the co-author of two

textbooks, "Labor Law: Cases and Materials" and "Work Law: Cases and Materials," and is the co-editor, with Sen. John Edwards, J.D., and Arne Kalleberg, Ph.D., the Kenan Distinguished Professor at the University of North Carolina, of "Ending Poverty in America: How to Restore the American Dream."

As part of her commitment to legal education, Crain serves on the executive committee of the Labor Law Group, an international collective of law professors dedicated to advancing pedagogy and scholarship on labor and employment law. She also is a past chair of the Association of American Law Schools Section on Labor and Employment Law.

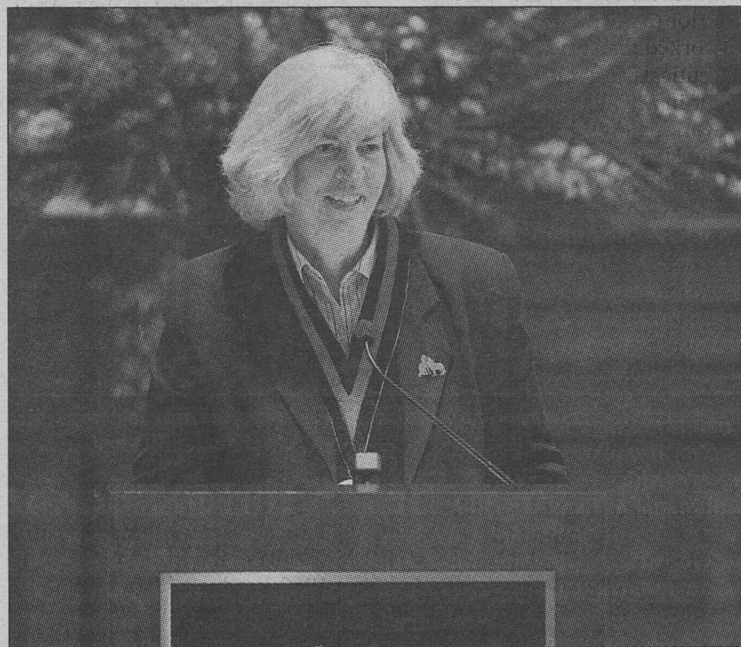
Crain serves on the editorial board of the Employee Rights and Employment Policy Journal, a peer-reviewed journal focusing on labor and employment law.

Prior to joining the law faculty in 2008, Crain was the Paul Eaton Professor of Law and director of the Center on Poverty, Work & Opportunity at the University of North Carolina.

She also held faculty positions at West Virginia University and the University of Toledo.

Before entering teaching, Crain clerked for the Hon. Arthur L. Alarcon, LL.B., on the U.S. Court of Appeals, Ninth Circuit, and practiced with Latham and Watkins in Los Angeles.

She earned a bachelor's degree in social work at Cornell University and a juris doctorate at the University of California, Los Angeles, School of Law.



Marion G. Crain, J.D., at her installation in the Bryan Cave Moot Courtroom as the Wiley B. Rutledge Professor of Law March 30.

Record

Volume 33, Number 28

Founded in 1905 • Washington University in St. Louis community news

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Record (USPS 600-430; ISSN 1043-0520), 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.

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Washington University in St. Louis

Kopp

On Time's 100 most influential leaders list

— from Page 1

rose 19 percent from last year. There are 71 WUSTL graduates currently serving in Teach For America, compared with 56 in 2007. All told, 216 WUSTL graduates joined Teach For America from 1990 to 2008.

With a goal of recruiting strong, analytical leaders committed to making a difference, the George Warren Brown School of Social Work started a partnership with Teach For America in 2005 that offers corps members and alumni incentives, such as scholarships, when applying to the master of social work program.

Kopp's 2001 book, "One Day, All Children: The Unlikely Triumph of Teach For America

Notables

Introducing new faculty members

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

Eric Galburt, Ph.D., joins the Department of Biochemistry and Molecular Biophysics at the School of Medicine as assistant professor. Galburt was most recently a visiting scientist at the Max Planck Institute for the Physics of Complex Systems and of Cellular Biology and Genetics in Dresden, Germany. Previously, he was a postdoctoral fellow at the University of California, Berkeley. He earned a doctorate in biochemistry at the University of Washington and a bachelor's degree in physics at Brown University. His research interests include single molecule biophysics, optical trapping, magnetic trapping, DNA transcription and RNA splicing.

James Janetka, Ph.D., joins the Department of Biochemistry and Molecular Biophysics at the School of Medicine as research assistant professor. Most recently, he was principal scientist in medicinal chemistry at AstraZeneca Pharmaceuticals, where he contributed to and directed several projects aimed at developing novel cancer therapeutics. Prior to AstraZeneca, he worked for Vertex Pharmaceuticals as a staff investigator in medicinal chemistry, working on inhibitors targeting Hepatitis C, cancer and arthritis. Janetka was a postdoctoral research fellow at the National Institutes of Health. He earned a doctorate in organic chemistry from the University of Wisconsin-Madison and a bachelor's degree in biochemistry from the University of Illinois at Urbana-Champaign. His research interests include the design and chemical synthesis of novel compounds, structure-based inhibitor design, medicinal chemistry and novel cancer therapeutics.

Ana Ruiz Manzano, Ph.D., joins the Department of Biochemistry and Molecular Biophysics at the School of Medicine as research assistant professor. Ruiz Manzano was most recently a postdoctoral fellow at the Max Planck Institute's Molecular Cell Biology and Genetics Department in Dresden, Germany. Previously, she was a postdoctoral fellow at the University of California, Berkeley. She also did postdoctoral research at the Hospital Ramon y Cajal in Madrid. She earned a doctorate in biochemistry at Centro Nacional de Biotecnología in Madrid and a bachelor's degree in biology sciences at Basque Country University. She has received the Alexander von Humboldt Research Fellowship and three fellowships from the Basque government. Her research interests include RNA cotranscriptional splicing and transcription elongation.

Igor Marjanovic receives national education award

By LIAM OTTEN

The Basilica di Santa Maria del Fiore, popularly known as the Duomo, is an icon of Florence and one of Europe's largest churches, famous for the massive domed roof designed by Filippo Brunelleschi.

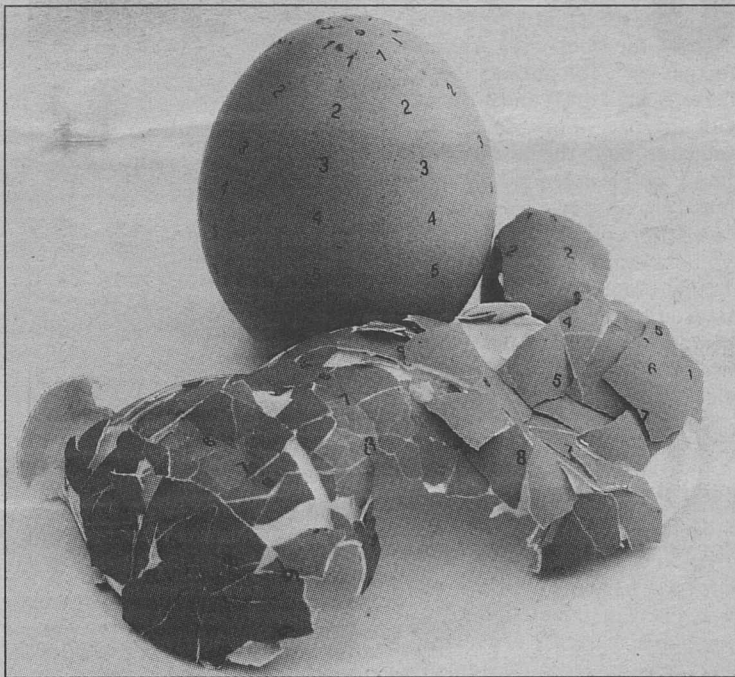
Yet, perhaps surprisingly, the structure — built between 1296 and 1436 — also boasts several attributes that today are associated with sustainable architectural design.

Last summer, Igor Marjanovic, assistant professor of architecture in the Sam Fox School of Design & Visual Arts, explored this unlikely confluence with "Intersections of Art and Architecture in Florence," an interdisciplinary class offered as part of the Sam Fox School's Florence studio.

Last week, the class earned Marjanovic a national Education Honor Award from the American Institute of Architects (AIA). One of five granted for 2009, the award was given March 27 during the annual meeting of the Association of Collegiate Schools of Architecture (ACSA) in Portland, Ore.

"Contemporary issues always have a historical trajectory," Marjanovic said. "Many Renaissance buildings were built with careful consideration of site, material and building layout in order to conserve energy and maximize ventilation or sun exposure. Thus, our contemporary concerns for sustainability have a longer tradition."

"I was interested in the idea of



Junior Daniel DuGoff used eggshells to model the Basilica di Santa Maria del Fiore as part of "Intersections of Art and Architecture in Florence." The class, led by Igor Marjanovic, has won a national Education Honor Award from the American Institute of Architects.

culture and how can we engage it by means of design — drawing, making, drafting," he said. "The students were asked to study the use of public spaces around Brunelleschi's dome. They talked to people — tourists, locals, illegal immigrants — and tried to understand the social dynamics of public space."

Students used those findings to develop a series of maps "locating spaces where tourists nap, or where police chase illegal vendors or where street artists make their artwork," Marjanovic said. They

also began using recycled materials — including eggshells and discarded train tickets — to model the building and its surrounding environs.

For example, junior Daniel DuGoff employed a pair of eggshells to demonstrate the effect of distortion in mapping the Duomo's surface.

"One shell is a replica of the dome," DuGoff said. "The other takes the idea of a dome and maps numbers across its surface, as if making a grid." As the second shell is flattened, that grid begins to

warp, highlighting the inherent difficulty of translating a three-dimensional shape onto a two-dimensional surface.

Other projects included design proposals for small public structures, such as benches, shading devices and restrooms. A sampling of the class' work will be exhibited at the 2009 AIA National Convention, which takes place April 30-May 2 in San Francisco.

Created in 1988, the Education Honor Awards program is coordinated by the AIA Educator/Practitioner Network and recognizes collegiate faculty achievements and contributions to education and the discipline of architecture.

Recipients are chosen by jury, with an emphasis on programs that deal with broad issues, particularly in cross-disciplinary collaboration and/or within the broader community; that contribute to the advancement of architecture education; that have the potential to benefit and/or change architectural practice; and that promote models of excellence that could be appropriated by other educators.

This year's jury was led by chair Randy Byers, AIA, of The Design Studio Inc. in Cheyenne, Wyo. Other jurors included architectural critic Robert Campbell, FAIA; Julie Eizenberg, AIA, of KoningEizenberg in Santa Monica, Calif.; Deana Moore, vice president of AIA Students in Washington, D.C.; and Kate Schwensen, FAIA, of Iowa State University.

Obituaries

Sparks, professor, 78

Robert Sparks, Ph.D., professor, biomedical researcher and international consultant, died March 21, 2009, of acute leukemia. He was 78.

Born in Marshall, Mo., Sparks grew up in Independence, Mo., and earned a bachelor's degree from the University of Missouri-Columbia.

He served at the Army Chemical Center in Edgewood, Md., during the Korean War and, in 1960, graduated from Johns Hopkins University with a doctorate in engineering.

After three years working for Exxon, he joined the faculty at Case Western Reserve University. In 1972, he became director of the Biological Transport Laboratory at Washington University.

He left Washington University in 1994 and founded Particle and Coating Technologies Inc., a St. Louis-based research and development company.

A lifelong lover of music and a talented tenor, he sang with the Handel Choir in Baltimore as well as the Cleveland Orchestra and Saint Louis Symphony Orchestra choruses.

He is survived by his wife of 53 years, Adna Eitemiller Sparks; sons Christian and Mark of St. Louis and David of Denver; and two grandchildren, Luke and Tory of St. Louis.

Donations can be given to The Leukemia & Lymphoma Society, The Gateway Chapter, 77 Westport Plaza, Suite 101, St. Louis, Mo., 63146.

Schuchardt, 73

Ronald E. Schuchardt, retired captain and member of University Police from 1970-1996, died March 17, 2009. He was 73.

Campus Author

Gustav Schonfeld, M.D., the Samuel E. Schechter Professor of Medicine

Absence of Closure

Booksurge (2009)

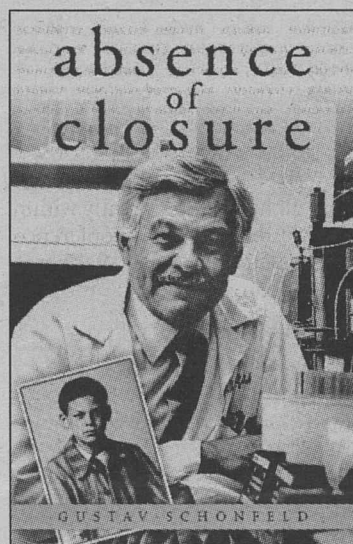
Gustav Schonfeld, M.D., the Samuel E. Schechter Professor of Medicine, spent more than a year of his childhood in four Nazi concentration camps. When he was 10 years old, his family was taken from its home in Munkacs, Hungary, which is now Mukachevo, Ukraine, by cattle car to Auschwitz and separated.

He and his father, a physician, were sent to work in three more camps, where Schonfeld did various jobs, such as peeling potatoes, digging holes and helping in the medical dispensary in support of building a secret German airplane factory. Schonfeld was liberated by Gen. George S. Patton's U.S. Army in May 1945 when he was 11.

Schonfeld recalls the details of that day vividly.

"For several weeks before the liberation, we heard and saw a lot of airplanes flying over camp," he said in an interview. "Rumor was that these were American bombers who were going to bomb factories and railroads, and we heard distant explosions. A couple of days before the liberation, guards started disappearing, but there were still enough of them around that we didn't break out of camp because we were afraid we'd get shot."

"On May 2, close to noon, we saw two American soldiers with Tommy Guns, scanning from side to side, marching on the road leading to the entrance to camp. Behind them



were a couple of tanks. My cousin, who spoke English, asked them if they were Americans, and they said yes. Everybody opened the gates, and American tanks came in and stationed themselves at the entrance of the camp."

Schonfeld's memoir, "Absence of Closure," describes his experiences in descriptive detail. In it, Schonfeld credits his father for saving his life by putting him to work in the dispensary, where his father treated sick prisoners, and giving his food to his son.

After the war, Schonfeld and his father spent a year recovering in Czechoslovakia, while relatives in St. Louis got the necessary immigration documents together to bring them to St. Louis. During this time, they were reunited with his mother, who had survived Auschwitz. The

three Schonfelds moved to St. Louis about a year after the liberation.

Schonfeld went on to earn undergraduate and medical degrees from Washington University and to serve as chairman of the Department of Medicine from 1996-99. He is renowned for his research involving lipoproteins and their role in atherosclerosis and coronary artery disease. He is credited for discovering that the concentrations, compositions, structures and metabolism of lipoproteins are affected by changes in diet, hormone status and genetic factors. His work led to the design of low-cholesterol diets widely used today.

Until now, Schonfeld has not talked much about the atrocities he experienced as a young boy. He said he decided to write his memoir for his three children and seven grandchildren.

"It's important for people to know," he said. "In another 10-15 years, very few survivors will be alive, and the story will be left to the historians to tell. I wanted to add my bit of witnessing because it is important that the truth be told and that those who deny the Holocaust not have the last word."

He plans to donate the proceeds from the book to the School of Medicine, the St. Louis Holocaust Museum and Learning Center, and two of the Hebrew day schools his grandchildren attend.

— Beth Miller

Washington People

One Friday in early February, heart surgeon Jennifer S. Lawton, M.D., wore a glittering pin on the lapel of her white doctor's coat. The pin was shaped like a cocktail dress and covered with red rhinestones. As she walked through the hospital corridors, people asked her about the unusual accessory.

Lawton told them it was a symbol for National Wear Red Day, part of the American Heart Association (AHA) campaign to raise awareness about heart disease in women. Then she would relay some startling facts.

"In this country since 1984, more women than men have died each year from cardiovascular disease," says Lawton, associate professor of surgery in the Division of Cardiothoracic Surgery. "Women are two times more likely than men to die from heart surgery, and, every year, heart disease kills more women than all cancers combined."

Although Lawton is committed to lessening the impact of heart disease on both women and men, she is especially concerned by differences in heart care between women and men.

"There are so many disparities



Jennifer S. Lawton, M.D., talks with Nader Moazami, M.D., in the intensive care unit about a patient's progress. "Jennifer has established herself as a champion for women with cardiovascular disease," says Michael K. Pasque, M.D. "She has the knowledge, speaking skill, presence, dedication and energy to take this fight to the appropriate public forums. These are our mothers, our wives, our sisters and our daughters. It is the noblest of causes, and she is the most able and dedicated of advocates on the behalf of women."

By GWEN ERICSON

Champion of the heart

Lawton committed to promoting awareness of heart disease in women

with women who have heart disease," Lawton says. "It starts when women come to the hospital with a heart attack. It takes longer for them to be admitted and longer to be diagnosed. And they are less likely to get the treatment they need."

Lawton serves on the volunteer board of the AHA and is part of its speakers bureau. She grants interviews and gives lectures around the St. Louis area to teach people about heart disease in women.

"Jennifer has established herself as a champion for women with cardiovascular disease," says colleague Michael K. Pasque, M.D., professor of cardiothoracic surgery. "She has the knowledge, speaking skill, presence, dedication and energy to take this fight to the appropriate public forums. These are our mothers, our wives, our sisters and our daughters. It is the noblest of causes, and she is the most able and dedicated of advocates on the behalf of women."

A gifted surgeon

Petite and soft-spoken, Lawton doesn't initially seem like the kind of person who would join the fast-paced, pressure-cooker world of cardiac surgery. But she says that she thrives on it.

"Heart surgery is never dull — every day is different," she says. "And it's very rewarding to be able

to dramatically improve and even save people's lives."

Ralph J. Damiano Jr., M.D., the John M. Shoenberg Professor of Surgery and chief of cardiac surgery, has worked with Lawton for 15 years.

"At every level I've been associated with Jennifer, she has been superb," he says. "During her time here, she has developed into one of the leading cardiac surgeons of her generation."

Frequently, Lawton will be in the operating room four days a week. She performs coronary artery bypasses, valve repairs and replacements, extraction and reimplantation of pacemakers and emergency surgeries, such as repairing tears in the aorta.

Nader Moazami, M.D., associate professor of surgery and surgical director of cardiac transplantation and the total artificial heart program at Barnes-Jewish Hospital, works with Lawton on the cardiac surgery team.

"Her excellent technical abilities are paired with her ability to deliver compassionate care to all her patients," he says.

As a tertiary care center, Barnes-Jewish Hospital gets many difficult cases that other clinics don't have the technology or expertise to handle. Many of these patients have had a previous heart surgery, so they might have scarring or adhesions that can disguise the heart's usual features, and it takes both patience and experience to safely treat them.

"In these cases, it can look like you poured glue in the chest cavity," Lawton says. "That makes it harder to locate structures and adds time to the surgery."

Lawton also has become adept at the demanding art of performing surgery on the beating heart. This approach can be better for patients because it eliminates the need for the cardiopulmonary bypass pump, which circulates blood and supplies oxygen to the patient's tissues while the heart is stopped for surgery. Studies have shown that women, even more than men, benefit from surgery done with the heart still beating.

Pasque says that Lawton is one of the most technically gifted heart surgeons he has worked with.

"And she has a truly extra-

ordinary work ethic that stands out even in a division that is amply populated with work ethic," he says.

Heart studies

Lawton also runs a research laboratory. The research team is studying isolated heart cells to find out how to better protect the heart from stress during surgery.

By exposing individual heart cells to low oxygen levels or high salt conditions, researchers can determine what happens to cell function under abnormal conditions.

Lawton has found that under stress conditions heart cells swell and lose some of their ability to contract. This also happens after heart surgery and is known as postoperative stunning.

In isolated heart cells, swelling and contraction problems also occur when the cells are exposed to drugs used to stop the heart for surgery. But if the cells are also treated with certain other drugs, they do fine — they can contract normally under stress.

"We believe it might be beneficial to add these drugs to the solution used to stop the heart or to the solution used to preserve hearts for transplantation," Lawton says. "The drugs might even improve the outcome for people suffering a heart attack."

The logical choice

Lawton attended medical school at Hahnemann University in Philadelphia. A class in human anatomy opened her eyes to her future career. "I loved the gross anatomy class," she says. "And then when I first did surgery, I felt like I belonged there."

Lawton was attracted to heart surgery because the physiology of the heart appealed to her. Basically, the heart is a pump, and it works by some fairly simple principles, she says.

"With the heart, there are problems that you can think through with logic," she says.

After medical school, Lawton went to the Medical College of Virginia for her general surgery residency and became a research fellow in Damiano's laboratory. She and Damiano worked together again at Penn State Milton S. Hershey Medical Center, where Lawton did her cardiothoracic fellowship.

"When Jennifer came to my research lab at Virginia, I was immediately impressed with her intellect and her curiosity,"

Damiano says. "She was one of the best research fellows I've had in my lab. Since joining the faculty here, she has excelled in every way — as a clinical surgeon, as a researcher and as a teacher for our fellows."

Family adventures

In her leisure time, Lawton shows the same love of a challenge that's evident in her work. She and her family like to ski, but her favorite vacation pastime is fishing in saltwater flats — the calm, shallow ocean waters off the southern coasts. The powerful fish lurking there can easily outweigh the person trying to snag them.

"We catch a lot of bonefish, and when they take your line out, you can't control it. It's like mad," she says.

Lawton shows off a prize fish in a photograph behind her desk — a once-in-a-lifetime catch. It's a 110-pound tarpon whose scales shine like polished steel.

"When you hook a fish like that, it jumps completely out of the water," she says. "It's so much fun."

Lawton is the mother of two young children: a son, Owen, 6, and a daughter, Madeline, 3. Her husband, Mark Grimm, M.D., is an ear, nose and throat surgeon with Sound Health Services.

As a two-doctor family with kids, they have to manage complicated work and family schedules. But all in all, Lawton says she thinks there is a significant advantage to being married to someone in the profession.

"Sometimes you can't help thinking about your work after you go home," Lawton says.

"Then it's really nice to have someone who can empathize. If you have an emergency at work and can't come home, they will say, 'I'm sorry. I know how you feel. Good luck.'"

Lawton says that heart surgery has advanced greatly and become much safer with far fewer complications and deaths. In the future, she sees cardiac surgery evolving further toward cardiac intervention, making it increasingly common to use minimally invasive techniques to repair the heart without opening the chest. She hopes that more women will be attracted to the field.

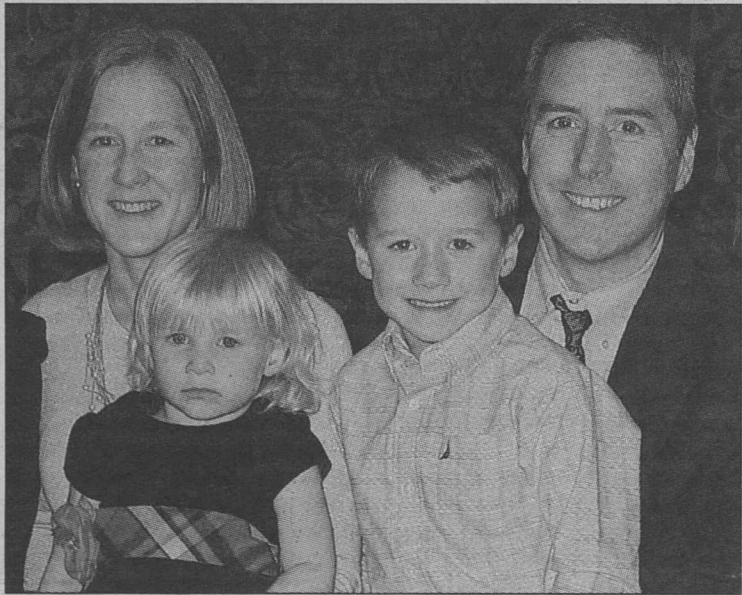
"Medical school classes are half women now," she says. "But they are choosing other specialties. I'd like to see that change."

Jennifer S. Lawton

Joined the WUSTL faculty in: August 2001

Research funding: American Heart Association Beginning Grant-in-Aid; and the Thoracic Surgery Foundation for Research and Education Nina Starr Braunwald Career Development Award, a prestigious national award for promising female cardiac surgeons

Awards: The Caring Spirit Award is Lawton's most prized honor. The Barnes-Jewish Hospital award goes to a physician who shows outstanding compassion for patients.



(From left) Jennifer S. Lawton, M.D.; daughter, Madeline; son, Owen; and husband, Mark Grimm, M.D.