

3-27-2008

Washington University Record, March 27, 2008

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Recommended Citation

"Washington University Record, March 27, 2008" (2008). *Washington University Record*. Book 1138.
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Record



Washington University in St. Louis

March 27, 2008

record.wustl.edu



Citizen of the Year Chancellor Mark S. Wrighton (right), the 2007 Citizen of the Year, was feted by some 700 attendees at an award ceremony March 25 in Graham Chapel. Sponsored by the St. Louis Post-Dispatch, the annual award honors an individual who best exemplifies an inspirational level of citizenship, leadership in generating civic pride, and dedication to the growth and vitality of St. Louis. David Kemper, chairman, president and CEO of Commerce Bancshares, president of WUSTL's Board of Trustees and the 2006 award recipient, presented Wrighton with an engraved Steuben crystal bowl. To access the chancellor's remarks and view a slide show of the event, go to record.wustl.edu/news/page/normal/11373.html.

WUSTL physicians expand patient-care services at Barnes-Jewish West County

The School of Medicine is doubling the size of its clinical presence at Barnes-Jewish West County Hospital to provide St. Louis County residents greater access to more physicians and additional treatments and therapies.

Among the clinical offerings available now, or soon, are the full range of adult and pediatric medical specialists, selected surgery services and a major expansion of the Siteman Cancer Center. Most are expected to be in place by August 2008. The medical school's \$7.5 million expansion

project brings the square footage of Washington University physician offices on the campus from less than 50,000 to about 100,000 square feet.

"Patients and their families prefer to receive their medical care, especially ambulatory care, close to home. Expanding our clinical presence on the Barnes-Jewish West County Hospital campus allows us to offer geographically convenient, patient-focused services to those living in west St. Louis County," said James Crane, M.D., associate vice chancellor for clinical affairs and CEO

of Washington University Physicians. "More than 35 medical and surgical subspecialties will be available on the Barnes-Jewish West County Hospital campus."

Pediatric subspecialists — including allergy and pulmonary, cardiology, dermatology, endocrinology and diabetes, general surgery, gastroenterology and nutrition, hematology and oncology, neurology, plastic and reconstructive surgery, psychiatry, renal and urology — have established outpatient offices on the campus. Many of the pediatric services are

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New healthcare management major offered at Olin Business School

By SHULA NEUMAN

Health care is not only one of the hot-button issues of the 2008 presidential election, but it's also one of the fastest growing industries in the country and has the most demand for professionals qualified to take on its unique challenges. Washington University has turned to the strengths of its medical and business schools to fill that need.

The Olin Business School now offers a major in healthcare management. Although other universities may offer similar degrees, Olin's healthcare management major is a true collaboration between faculty members at the business and medical schools. Professors from both schools will teach courses, and students will develop a strong grounding in all

business aspects of the health care industry as well as in the science behind medicine.

"Several of our faculty members have established an expertise in the health care industry," said Mahendra Gupta, Ph.D., dean of the Olin Business School. "This program allows the University to marry the strength of Olin's faculty with WUSTL's outstanding medical school."

The program is open to both business and non-business students who can choose to major or minor in healthcare management. The primary difference between the two options is that students who major in the subject will conduct individual research in healthcare management issues under the guidance of a faculty member. The research project is optional for those who

chose to minor.

Barton H. Hamilton, Ph.D., the Robert Brookings Smith Distinguished Professor in Entrepreneurship, developed the degree program with medical school faculty member Bruce Hall, M.D., Ph.D., associate professor of surgery. Hamilton said the creation of the degree option came about from the demand of the students and the marketplace.

"Health care is certainly one of the fastest growing sectors of the economy, and everyone is touched by it," Hamilton said. "It's not like other industries, either. The institutions are so complex that you can't necessarily figure out what's going on without an understanding of all the different constituents. There are hospitals, doctors, insurance compa-

See **Healthcare**, Page 6

National champs Ruths leads Bears to first men's basketball title

Senior Troy Ruths scored 33 points to lead the Bears to their first NCAA Division III men's basketball national championship with a 90-68 victory. The Bears defeated defending national champion Amherst College March 22 at the Salem Civic Center in Salem, Va.

The title gave WUSTL its second national championship this academic year — along with women's volleyball — and its first-ever men's team national title in any sport.

The Final Four victories came in front of a thrilled contingent of WUSTL fans, who came in busloads to watch the Bears. Chancellor Mark S. Wrighton was there for the title game and joined the celebration at center court for the presentation of the national championship trophy.

"Obviously it is a tremendous thrill for us to come out here and win the national championship. I think we played two great games against two good teams," said head coach Mark Edwards, who improved his overall record to 477-233 in 27 seasons on the Danforth Campus. "To me, that's what basketball is all about. That's Division III athletics, and these are the kids that exemplify that."

Ruths, who was named Most Outstanding Player of the championship tournament and the D3hoops.com National Player of the Year, was 9-of-13 from the field and hit a career-high 15-of-

17 from the foul line in the title game. He averaged 31.5 points and 7.0 rebounds per game at the Final Four, shooting 71.4 percent (20-28) from the field and 88.5 percent (23-26) from the foul line.

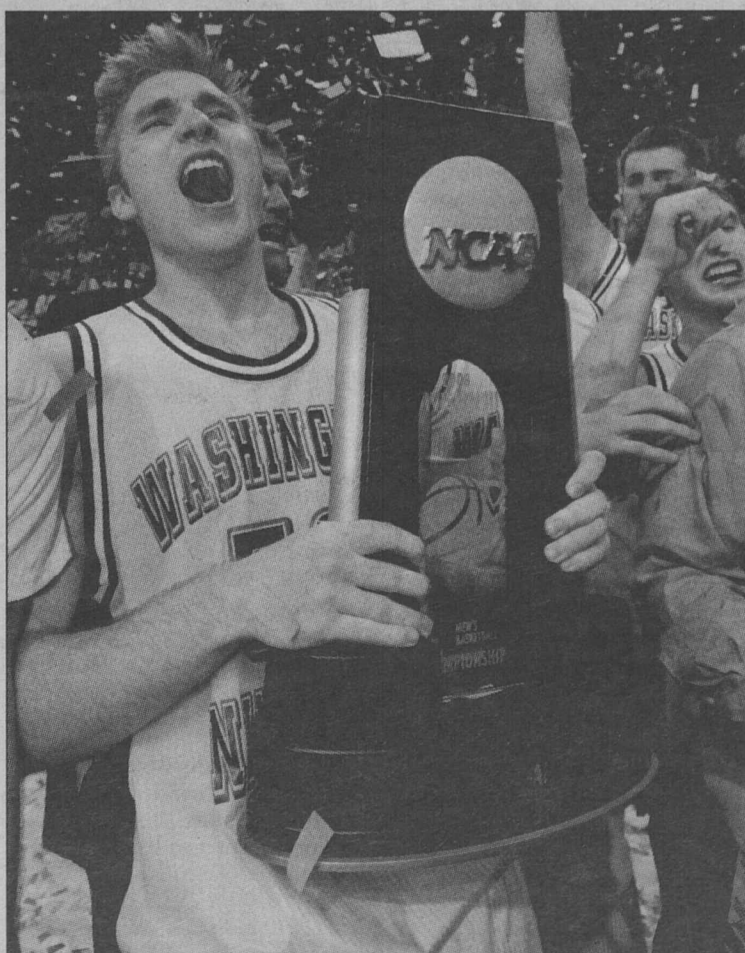
Sophomore Aaron Thompson contributed 19 points and four assists against Amherst and joined Ruths on the All-Tournament Team. Thompson averaged 17.0 points and 4.0 assists per game during the two-game stretch.

"Throughout the whole season, I saw a lot double-teams and triple-teams, and these last two games, they decided to play me straight up, and that's what I was praying for," said Ruths, who finished his WUSTL career second in points with 1,801.

The Bears made it clear early they were going inside to Ruths as he scored six of the first eight points, giving WUSTL an 8-2 lead.

WUSTL held a 45-32 halftime advantage after shooting 53.3 percent (16-30) from the field and 88.9 percent (8-9) from the free-throw line.

Tyler Nading added 13 points, five rebounds, four assists and four steals against Amherst for the Bears, who tied a school record with their 25th win of the season. The Bears also won 25 games in 2001-02 and 2006-07. WUSTL outrebounded Amherst, 28-23, and improved its season record to 17-0 when leading at the half.



Senior Troy Ruths joyfully holds the trophy while confetti showers the court. To view a slide show of more championship weekend photos, visit record.wustl.edu/news/page/normal/11365.html.

Assembly Series announces four upcoming programs

BY BARBARA REA
AND KURT MUELLER

It's a busy, event-filled week for the Assembly Series, as four nationally-renowned speakers — a noted plant biologist, an Academy Award-winning filmmaker, an editor of a national newspaper and an acclaimed humorist — all will speak on campus.

The importance of plant biodiversity

The critical role played by flowering plants may not be obvious, but they hold clues to the evolutionary history of our planet; provide sources of food, medicine and shelter to humans; and serve as food and habitat for many other organisms. Pamela Soltis, Ph.D., a distinguished scholar in angiosperms (flowering plants), will discuss the importance of "Conservation Genetics and the Preservation of Plant Biodiversity"

for an Assembly Series program 2 p.m. Friday, March 28, in Steinberg Hall.

Soltis will be on campus as a Phi Beta Kappa Visiting Scholar, sponsored by the Department of Biology in Arts & Sciences. Co-sponsors are the University chapters of Phi Beta Kappa and Sigma Xi honoraries. The talk is free and open to the public.

Soltis is curator of the Laboratory of Molecular Systematics and Evolutionary Genetics at the Florida Museum of Natural History at the University of Florida. She also is instrumental in reconstructing the plant branch of the Tree of Life Web project. This collaborative effort of biologists



Soltis

from around the world provides information about the diversity of organisms on Earth, their evolutionary history and characteristics.

Active in her profession, Soltis is the president of the Botanical Society of America and the former president of the Society of Systematic Biologists.

She has served on the councils of the Society for the Study of Evolution, the American Society of Plant Taxonomists and the American Genetics Association. Among her honors are the Centennial Award from the Botanical Society, a Mellon Faculty Fellowship, a Fulbright Distinguished Professor Award and a Research Professorship from the University of Florida Research Foundation.

Soltis earned a bachelor's degree from Central College and master's and doctoral degrees from the University of Kansas.

The Palestinian-Israeli conflict as musical comedy

"West Bank Story" is a little film about a big subject, uses music and comedy to deliver a serious message, and was created by a young man wise beyond his years.

That person, Ari Sandel, will show his Oscar-winning film short and discuss how he came to make it at 4 p.m. Tuesday, April 1, in the Lab Sciences Auditorium. It is free and open to the public.

Sandel's program is sponsored by the Rabbi Ferdinand Isserman Fund and Students for a Peaceful Palestinian-Israeli Future. The Isserman Lecture was established to honor the life and work of the late Rabbi Isserman, who devoted



Sandel

his life to nurturing interfaith relationships.

Sandel is a director, writer and producer for film, television and music videos. "West Bank Story," which won an Academy Award in 2007 for Best Live Action Short Film, is a humorous and hopeful look at the Israeli-Palestinian conflict. The story, modeled as a musical parody of "West Side Story," involves two families — one Israeli and one Palestinian — who have competing falafel stands in the West Bank. At the heart of the story is a star-crossed love affair between an Israeli soldier and a Palestinian woman, and it even features a camel named Stormy.

Sandel premiered "West Bank Story" at the Sundance Film Festival in 2005, and it has since been screened in more than 115 film festivals worldwide. It has won 26 festival awards. His most recent film is "Vince Vaughn's Wild West Comedy Show: 30 Days & 30 Nights — Hollywood in the Heartland."

Sandel earned a master's in directing from the University of Southern California's School of Cinema-Television.

Rebooting America:

news for a new generation

Ken Paulson, J.D., editor and senior vice president of news for USA Today and usatoday.com, will discuss the role of the newspaper in today's Internet-savvy society at 4 p.m. Wednesday, April 2, in Graham Chapel.

Before joining USA Today in 2004, Paulson was executive director of the First Amendment Center at Vanderbilt University. There, he drew on his background as a journalist and lawyer to promote a greater understanding of the First Amendment. His syndicated column, "Inside the First Amendment," appeared in newspapers nationwide. Paulson also

hosted "Speaking Freely," a weekly half-hour television program about the First Amendment and the arts.

As reporter and editor with Gannett Newspapers for 18 years, Paulson served as executive editor of the Suburban Newspapers in Westchester County, N.Y. He also served as the executive editor of Florida Today and editor of the Green Bay Press-Gazette in Wisconsin. The Society of Professional Journalists named him a Fellow in 2007.

Paulson earned a bachelor's degree in journalism from the University of Missouri in 1975. Following his studies at Mizzou, he attended the University of Illinois at Urbana-Champaign, where he earned a law degree and specialized in first amendment law. While in school, he kept his journalism skills honed by working on the Daily Illini. Paulson is a member of both the Illinois and Florida bars.



Paulson

Spend an 'Afternoon with Calvin Trillin'

Calvin Trillin, the versatile veteran writer, journalist and humorist, will appear at 4 p.m. April 3 in Steinberg Auditorium. His talk is the keynote address for the upcoming symposium "Consuming News: Newspapers & Print Culture in Early Modern Europe (1500-1800)," sponsored by the German department in Arts & Sciences and Delta Phi Alpha, the German student honorary.

Trillin has been writing for more than four decades, beginning in the 1960s for Time maga-

zine. Since then, his work has appeared in The New Yorker, The Nation and in more than 20 books ranging from fiction to nonfiction to essays to comic verse.

His long association with The Nation began with a column called "Variations," moved on to "Uncivil Liberties," and continues today with his weekly "Deadline Poet" column, featuring current events in rhythm.

His first book, "An Education in Georgia: Charlayne Hunter, Hamilton Holmes, and the Integration of the University of Georgia," about the racial integration of the University of Georgia, was published in 1964.

Since then, Trillin's books have covered a range of subjects, among them his life and family ("Messages From My Father," "About Alice" and "Travels with Alice"); the culinary arts ("Third Helpings" and "American Fried: Adventures of a Happy Eater"); and political satire ("Uncivil Liberties," "Obliviously On He Sails: The Bush Administration in Rhyme" and "A Heckuva Job: More of the Bush Administration in Rhyme"). His three novels, also satirical, are "Runestruck," "Floater" and "Tepper Isn't Going Out."

Trillin wrote for the Yale Daily News before earning a bachelor's degree from Yale University in 1957. He also served in the U.S. Army.

For more information on this or any all the Assembly Series lectures, visit the Web page at assemblyseries.wustl.edu or call 935-4620.



Trillin

Stewards receive ninth annual Harris community service award

BY BARBARA REA

The ninth annual Jane and Whitney Harris St. Louis Community Service Award, given to a husband and wife that has provided exemplary leadership in community advancement, was presented to Thelma E. and David L. Steward at the Harbison House Feb. 28.

At the ceremony, Chancellor Mark S. Wrighton praised the couple's strong record of civic and philanthropic engagement in the St. Louis region.

"Today, we are celebrating the legacy of Jane Harris, the continuing good work of Whitney and Anna Harris, and this year's honorees, Thelma and David Steward," Wrighton said. "The Stewards have demonstrated the type of commitment and dedication to the St. Louis region that Jane cherished so highly. Through their widespread involvement in the community, their exemplary work ethic and their commitment to faith and family, they have made a lasting impact."

Wrighton also praised the ongoing service and support by Anna and Whitney Harris, which exemplifies the rich and important tradition of service being carried forward.

As the late Jane Harris and her husband, Whitney, specified in their gift, the award's recipients are given a cash prize to donate as they see fit. The Stewards chose to distribute their \$50,000 cash prize among three organizations: Union Memorial United Methodist Church, Girls Inc. of St. Louis and Washington University.

David Steward is a business leader in St. Louis and the founder/chairman of World Wide



Thelma E. and David L. Steward address the luncheon gathering in Harbison House Feb. 28 when they received the ninth annual Jane and Whitney Harris St. Louis Community Service Award.

Technology Inc. (WWT), a value-added reseller of products that offer advanced technologies such as IP telephony, wireless communications, adaptive network security and secure data storage, along with a range of professional services for those products. Headquartered in St. Louis, WWT rose from a four-person office in 1990 to employing more than 1,000 and generating \$2 billion in sales. WWT's success has been hon-

ored with many industry awards, among them: From 2004-06, it was ranked by Black Enterprise magazine as the top minority-owned business in the United States; it was singled out by Diversity Business as the second-largest revenue producer; and it landed on Deloitte's list of "Widely Watched Technology Fast 500 Companies." Steward's rise to the top of his field also was noted by the National Minority Supplier

Development Council.

WWT shows up on many coveted listings by the government and major high-tech companies as preferred contractors and resellers. Equally important, WWT has consistently been awarded high marks by its customer base for customer service and excellence.

For nearly 32 years, David has been married to Thelma E. Steward, a St. Louis native and graduate of the St. Louis Municipal School of Nursing. Her commitment to infant health care began as a registered nurse in Homer G. Phillips Hospital's newborn and premature nursery and has grown to focus on enhancing the larger community and contributing to a higher quality of life for all St. Louis citizens through active volunteerism.

As a dedicated member of the United Methodist Church, Thelma has been active with its Methodist Women organization, has co-chaired the stewardship enrichment committee for Union Memorial United Methodist Church and continues to teach Sunday School at Salem in Ladue United Methodist Church. She also is active in the Charmaine Chapman Society of the United Way and has served as its co-chair. She is a former member of Charitable Women and supports Family Ministries. Thelma was an active parent at Whitfield Academy and Mary Institute and Saint Louis Country Day School for many years. Her current board positions include Variety the Children's Charity of St. Louis, Girls Inc., Saint Louis Art Museum and the Sheldon Center.

Born in Clinton, Mo., David Steward graduated from Central Missouri State University, now

known as the University of Central Missouri. Before founding WWT, he held sales and marketing positions with Wagner Electric Corp., Missouri Pacific Railroad and Federal Express. In 2004, he published a book co-written with Robert L. Shook, "Doing Business by the Good Book: Fifty-two Lessons on Success, Straight From the Bible." It includes a foreword by former president George H. W. Bush.

Being named St. Louis Variety's 2006 "Man of the Year" shows the impact Steward has had on his adopted hometown. In the business sector, he holds leadership roles in Civic Progress of St. Louis, the St. Louis Regional Chamber and Growth Association, the Regional Business Council and the Missouri Technology Corp. He supports the community's academic, cultural and social services by serving Webster University, Barnes-Jewish Hospital, First Banks Inc., Saint Louis Science Center, St. Patrick's Center, United Way of Greater St. Louis (for which he served as campaign chair in 2005 and currently chairs its Board of Directors), the Greater St. Louis Area Council of Boy Scouts of America and Harris-Stowe State College's African American Business Leadership Council.

Past recipients of the Harris Community Award include Nancy and Kenneth Kranzberg (2007); Ruth and Alvin Siteman (2006); Mary Ann and E. Desmond Lee (2005); Marilyn and Sam Fox (2004); the late Elizabeth and William H. Danforth (2003); Ann and Lee Liberman (2002) and Alice and the late Leigh Gardine (2001). Lucy and the late Stanley Lopata were the inaugural awardees in 2000.

School of Medicine Update

Fugitive cancer cells can be blocked by stopping blood cells that aid them

BY GWEN ERICSON

Cancer cells get a helping hand from platelets, specialized blood cells involved in clotting. Platelets shelter and feed tumor cells that stray into the bloodstream, making it easier for cancer to spread, or metastasize. School of Medicine research suggests that inactivating platelets could slow down or prevent metastasis.

In advance online publication in the *Journal of Cellular Biochemistry*, the scientists report that a combination of two platelet inhibitors reduced the number and size of breast cancer or melanoma tumors that grew in the bones of laboratory mice. One of the drugs was aspirin, a widely used inhibitor of platelet clotting. The other was an experimental drug, APT102, which also prevents platelet clotting, but by a different mechanism. Both drugs were needed to reduce bone tumors.

"Past research has shown that tumor cells activate platelets and that mice with defective platelets have significantly fewer metastases," said Katherine Weilbaecher, M.D., associate professor of medicine and of cell biology and physiology. "We also know that platelets have several traits that can aid tumor cells, and we are working to break up that potentially lethal partnership."

Metastasis of cancer cells to sites away from the main tumor can cause pain and other symptoms and greatly increases the likelihood a patient will die of the disease. In fact, more than 90 percent of cancer deaths are the result of metastasis, which is difficult to control with current therapies.

Cancer cells that leave the primary tumor and circulate in the bloodstream can readily take advantage of platelets they encounter. The circulating tumor cells secrete factors that make platelets stick together, creating a shield of platelets that protects cancer cells from immune attack. In addition, platelets release growth factors that help tumor cells survive, and platelets' capacity to stick to particular sites enables companion tumor cells to

settle in and proliferate in new areas.

Weilbaecher, an oncologist with Siteman Cancer Center, and colleagues, including Özge Uluçkan, a predoctoral trainee in molecular genetics, and Mark Egleton, a research technician, tested the effect of aspirin and APT102 in mice that received an injection of either melanoma or breast cancer cells.

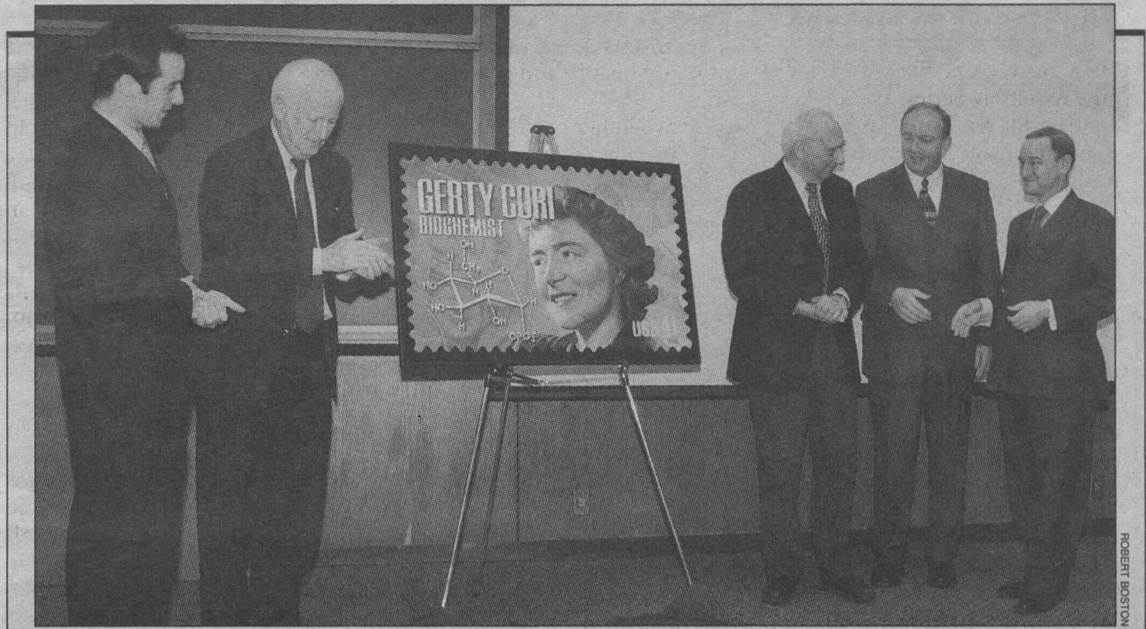
The cancer cells establish themselves in bones in as little as two days and proliferate to produce large bone tumors in less than two weeks. But the researchers found the bone tumors were smaller and fewer in mice that got a dose of aspirin and APT102 before inoculation with cancer cells and additional treatments twice a day for two days after that.

"We only had a small amount of APT102 to test, so in this set of experiments, we gave only a few doses of the drugs to the mice," Uluçkan said. "At this point, we don't know if additional treatment would have further reduced the tumor burden, but it's clear that reducing platelet function had a positive result in this model of metastatic cancer."

By themselves, neither aspirin nor APT102 lessened the amount and size of bone tumors in the mice, possibly because cancer cells can activate platelets in several different ways, making a dual approach more effective, Weilbaecher said.

"Aspirin prevents platelets from making thromboxane, a substance that facilitates clotting," she said. "APT102 is an especially interesting drug because it gets rid of a compound called ADP, which tumor cells release and which stimulates platelets to clump. So APT102 prevents platelet activation in response to tumor cells."

The researchers noted that the drug combination would likely be well tolerated because it did not cause excessive bleeding in the mice, as might be expected from platelet inhibitors. The research group plans to continue to study the process of metastasis and the role played by platelets.



Stamp of approval (From left) Zack Permutt, a second-year medical student and a student coordinator of the Cori Society; Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine; Carl Frieden, Ph.D., professor of biochemistry and molecular biophysics; Robert A. Cavinder, St. Louis interim postmaster; and Chancellor Mark S. Wrighton unveil the Gerty Cori U.S. Postal Service stamp March 17 in Moore Auditorium. The stamp is one of four honoring American scientists. Cori's stamp is unique in that it contains an error: In the sketch of the formula she developed, one of the lines that connects the formula attaches to the wrong element.

Piwnica-Worms named Gerty T. Cori Professor

BY MICHAEL C. PURDY

Helen Piwnica-Worms, Ph.D., has been named the first Gerty T. Cori Professor at the School of Medicine.

Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, made the announcement.

The Gerty T. Cori Professor is named in honor of a University faculty member who shared the Nobel Prize for Medicine with her husband and fellow faculty member, Carl Cori, in 1947. They received the prize for their studies of the control of sugar metabolism.

Cori was the first female scientist to receive the Nobel Prize in Medicine. In April, she and three other U.S. scientists will be recognized for their significant accomplishments on a set of U.S. Postal Service stamps.

"Gerty Cori was one of the most preminent female scientists of the 20th century," said

"Helen's studies focus on very basic inquiries into the life cycle of the cell, and she's proven herself adept at applying the insights she gains in cancer treatment and other critical areas of clinical research."

LARRY J. SHAPIRO

Piwnica-Worms, professor of cell biology and physiology and a Howard Hughes Medical Institute investigator. "It is a tremendous honor to be awarded a professorship named in her honor. I can only hope that my work will have a fraction of the impact that her pioneering discoveries had in biomedicine."

The professorship is endowed as a component of the University's BioMed 21 initiative. That initiative is dedicated to speedily translating laboratory discoveries into new approaches for patient diagnosis and treatment.

"Helen's studies focus on very basic inquiries into the life cycle of the cell, and she's proven herself adept at applying the insights she gains in cancer treatment and other critical areas of clinical research," Shapiro said.

Piwnica-Worms' research has

helped show how mechanisms known as checkpoints interface with the cell cycle machinery to delay the cell's progress through its life stages. The delays provide cells with important opportunities to inspect their DNA for damage. If damage is detected, cells can attempt repairs or self-destruct to prevent that damage from leading to cancer.

The new position is one of four professorships established by John F. McDonnell and the JSM Charitable Trust to support the BioMed 21 initiative. The professorships all are named for Nobel Prize-winning faculty members from WUSTL. The McDonnell family, through its foundation and personal giving, has provided substantial support to University over the years.

In addition to establishing numerous professorships, they have made generous gifts in support of facilities and research efforts at the University. McDonnell, the younger son of honored aerospace pioneer James S. McDonnell, is vice chairman of the University's Board of Trustees and has served on the Board since 1976.

"Washington University is very grateful for the continued generosity and leadership of John F. McDonnell," Chancellor Mark S. Wrighton said.

"The support he and the foundation provide to the University has been essential to our ability to reward and encourage the accomplishments of talented faculty members. In turn, the achievements of these faculty members have helped maintain and advance Washington University's position as a national leader in research and education," Wrighton said.

Piwnica-Worms earned a doctorate at Duke University Medical School and did postdoctoral research at the Dana-Farber Cancer Institute. Prior to her appointment at WUSTL in 1994, she held appointments at Tufts University School of Medicine, Harvard Medical School and Beth Israel Hospital.

Scientists successfully treat new mouse model of inflammatory bowel disease

BY MICHAEL C. PURDY

Researchers trying to improve cancer immune therapy have made an unexpected find: They've produced the most accurate mouse model to date of inflammatory bowel disease (IBD), a cluster of conditions that afflicts about 1.4 million Americans with abdominal pain, constipation and diarrhea.

The two most common forms of IBD are Crohn's disease and ulcerative colitis (UC); in extreme cases, they can be fatal. The mouse model closely resembles the most serious form of human UC and is uniformly fatal. But scientists successfully treated the mice with a pair of broad-spectrum antibiotics, easing gut inflammation and increasing survival. The results, reported in *Public Library of Science-Medicine*, have researchers eager to follow up both in the clinic and the lab.

"The antibiotics we gave the mice were used individually in unsuccessful clinical trials as ulcerative colitis treatments, but now we have colleagues who are thinking



Allen



Stappenbeck

of giving combined therapy an informal try," said co-senior author Thaddeus S. Stappenbeck, M.D., Ph.D., assistant professor of pathology and immunology and of developmental biology. "The antibiotics probably won't be a cure by themselves, but they may provide us with a potent new approach to combine with other therapies."

The mice also may provide a way for scientists to learn which species of gut microorganisms are becoming embroiled in battles with host immune systems, triggering the symptoms of UC. That information could allow the development of stronger and more specific treatments.

Silvia Kang, a former graduate student in the laboratory of co-

senior author Paul Allen, Ph.D., the Robert L. Kroc Professor of Pathology and Immunology, created the mouse model by cross-breeding two mouse lines they had developed for cancer immune therapy research. Each mouse line had one protein knocked out that restrained immune T cells from shifting into attack mode.

"The idea was to see if we could create super killer T cells we could use to attack tumors," Allen said. "But all the mice became sick early on and started to lose weight, and we soon realized that they all had serious gastrointestinal issues."

Allen consulted with Stappenbeck, an expert in IBD.

"I've looked at quite a few proposed mouse models of IBD, and I recognized right away that this had the potential to be outstanding," Stappenbeck said. "The colons of the mice were incredible. They were filled with inflammatory T cells. We found the mice almost exactly replicated the most acute types of ulcerative colitis."

Unlike prior models of IBD, the mice consistently develop gastrointestinal problems within a short

time period and at a predictable point in their lifespan. When researchers treated the mice at three weeks with the antibiotics ciprofloxacin and metronidazole, colon inflammation was reduced, and the mice gained weight and survived longer.

Scientists say IBD results from the host immune system damaging the tissues of the gut while erroneously attacking food and gut microorganisms that aid food digestion. There are an estimated 500 different species of microbes living in the gut, so sorting out which species are being attacked by the immune system has been an imposing challenge.

The new model may significantly ease that challenge. Although the dual antibiotics used to treat the mice are broad-spectrum, they didn't sterilize the guts of the mice, suggesting that the treatment happened to eliminate the microorganisms causing IBD.

"We'd like to treat the mice and then reintroduce candidate microorganisms into their guts to see if this restarts the inflammatory reaction," Stappenbeck said.

University Events

79th Annual Fashion Design Show caps Saint Louis Fashion Week



Senior fashion design major Chelsea Murphy works on an evening gown for the 79th Annual Fashion Design Show, scheduled for 7 p.m. Sunday, March 30, at Lumiere Place Casino & Hotels.

BY LIAM OTTEN

The Sam Fox School of Design & Visual Arts — home to the nation's oldest four-year fashion design program — will present its 79th Annual Fashion Design Show at 7 p.m. Sunday, March 30. The show, a fully choreographed, Paris-style extravaganza, is the concluding event of Saint Louis Fashion Week.

The hour-long show takes place downtown at the Lumiere Place Casino & Hotels, 999 Second St., which is the site of several runway shows throughout the week.

Chaired by alumna Susan Block (BFA '76), the Fashion Design Show will feature dozens of outfits created by the program's 11 seniors and 11 juniors. The show will begin with ball gowns inspired by Cristobal Balenciaga (1885-1972), a Spanish designer whose spare, elegantly chic apparel exerted a strong influence over mid-20th-century fashion. Next up are "class-action" suits and daytime dress groups, the latter created as part of a larger merchandizing research project.

"The dress group project addresses the 'real life' fashion design issues of a fashion career," said associate professor Jeigh Singleton, who has directed the fashion program since 1987. "Customer profiles, geographic locales, current socioeconomic trends and fashion trends play equally important roles in the development of a wearable, believable product."

The show continues with tailored coats inspired by shoes from the collection of the Missouri History Museum, followed by dramatic cloaks and evening dresses in which silhouette is defined by movement.

"Draping in fashion design requires spontaneity, recognition and activity," Singleton said. "It is a spiritual realm where creativity thrives and also a domain of endless struggle for perfection, expression and accomplishment."

As in past years, the show will conclude with a single wedding gown. This year's gown, by graduate student Katie Trout, is a bias-cut silk dress that fuses

contemporary design with traditional forms inspired by Chicago's 1882 Elite bluebook.

In addition to designing and sewing garments, students have developed choreography for the runway segments and recently organized a call for models that was attended by representatives from several local agencies. During the show, they will work backstage with the technical crew and with stylists such as Dominic Bertani of the Dominic Michael Salon, who has done the models' hair for the past 16 years.

"The fashion show is a great learning experience," Singleton said. "Students run almost every aspect of the show. There's a real sense of ownership."

The show dates back to 1929, when Irving L. Sorger, merchandise manager for Kline's, a tony St. Louis department store, visited the University's recently established Dress Design Program, as it was then known.

Sorger was hoping to get a better sense of what young women wanted to wear. Impressed by the students' work, he organized a showing for local garment manufacturers. From that show, eight dresses were selected for production, and, with sales surpassing all expectations, juniors' fashions soon became a staple of the city's garment industry.

Though St. Louis is no longer a manufacturing center, alumni of the fashion program include celebrated designers such as Paula Varsalona, Carolyn Roehm and Ellie Broady.

Recent graduates work for many of the industry's major fashion houses and clothing retailers, including Ralph Lauren, Tommy Hilfiger, Calvin Klein, Christian Dior, Nanette Lepore, Lane Bryant, J. Crew, Target and Kohl's.

Tickets for the show are \$65 for general seating and \$35 for standing-room-only and are available through the Edison Theatre Box Office, 935-6543, and all MetroTix outlets. A limited number will be available at the door.

A special VIP reception at 6 p.m. will immediately precede the show. Tickets are \$150. Proceeds will support scholarships in the fashion program.

Beautiful Dreamer • The Story of Forgetting • Canterbury Tales

"University Events" lists a portion of the activities taking place March 27-April 9 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (webevent.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

"Thaddeus Strobe: Absolutes and Nothings." Through April 21. Kemper Art Museum. 935-4523.

"On the Margins." Through April 21. Kemper Art Museum. 935-4523.

"Core Level I Exhibition." April 2. (Noon Opening Reception.) Bixby Hall. 935-9347.

"Senior Printmaking/Drawing Exhibition." April 4. (6 p.m. Opening Reception.) Des Lee Gallery, 1627 Washington Ave. 935-9347.

Film

Thursday, March 27

7 p.m. African Film Festival. "Meokgo and the Stick Fighter" and "Juju Factory." Brown Hall, Rm. 100. 935-7879.

Friday, March 28

7 p.m. African Film Festival. "Mama Put" and "Bamako." Brown Hall, Rm. 100. 935-7879.

Saturday, March 29

7 p.m. African Film Festival. "Mended" and "Clouds Over Conary." Brown Hall, Rm. 100. 935-7879.

Sunday, March 30

7 p.m. African Film Festival. "Growing Stronger" and "A Love During the War." Brown Hall, Rm. 100. 935-7879.

Tuesday, April 1

6 p.m. American Indian Awareness Week Film. "Way of the Warrior." (Discussion follows.) Brown Hall Lounge. 935-6288.

Friday, April 4

8 p.m. Italian Film Festival. "Ma Colpa Abbiamo Noi." Brown Hall, Rm. 100. 422-3102.

Saturday, April 5

8 p.m. Italian Film Festival. "Anche Libero Va Bene." Brown Hall, Rm. 100. 422-3102.

Monday, April 7

7 p.m. Jewish, Islamic and Near Eastern Middle East Film Series. "West Beirut." Wilson Hall, Rm. 214. 935-8567.

Lectures

Thursday, March 27

Noon. Genetics Seminar. "From Mouse to Man: The Role of PI(3,5)P2 and FIG4 in Motor Neuron Disease." Miriam Meisler, prof. of human genetics, U. of Mich. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

Noon. Interdisciplinary Project in the Humanities Lecture Series. "On Restlessness." Carl Phillips, prof. of English. McMillan Cafe. 935-4200.

4 p.m. Interdisciplinary Project in the Humanities Lecture Series. "The Drama of Competitive Posing: Portrait Plots in Hals and Rembrandt." Carl Phillips, prof. of English. Duncker Hall, Rm. 201, Hurst Lounge. 935-4200.

4 p.m. Romance Languages & Literatures Lecture. "La Castañeda General Insane Asylum From the Future: History, Photography and Literature in Early 20th Century Mexico." Cristina Rivera-Garza, visiting prof. of Romance languages & literature. (Reception follows.) McDonnell Medical Sciences Bldg., Rm. 250. 935-5175.

4 p.m. Vision Science Seminar Series. "Stem Cells for Repair of the Diseased Retina." Michael Young, assoc. scientist, Schepens Eye Research Inst., Boston. Maternity Bldg., Rm. 725. 362-3315.

6:30 p.m. Kemper Art Museum Curator's Dialogue. Meredith Malone speaks on "Thaddeus Strobe: Absolutes and Nothings." (6 p.m. reception.) Kemper Art Museum. 935-4523.

7 p.m. 2008 McDonnell Lecture. "The James Webb Space Telescope: A Window to the Past." Kathryn Flanagan, senior scientist and head of James Webb Space Telescope Mission Office, Space Telescope Science Institute, Baltimore, Md. Wilson Hall, Room 214. 935-5322.

7 p.m. School of Medicine Mini-Medical School II. Cost: \$125. (Continues weekly through May 15.) Eric P. Newman Education Center. To register: 362-6585.

8 p.m. The Writing Program Spring

Reading Series. Edward P. Jones, author. Whitaker Hall. 935-7130.

Friday, March 28

9:15 a.m. Pediatric Grand Rounds. "Hypoglycemia: The Limiting Factor in Diabetes Management." Ana Maria Arbelaez, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

11 a.m. Computer Science & Engineering Colloquium. "Tree-Based Overlay Networks for Scalable, Reliable Tools and Applications." Dorian Arnold, fellow research asst. in computer sciences, U. of Wis. Cupples II Hall, Rm. 217. 935-6160.

11 a.m. Energy, Environmental & Chemical Engineering Seminar Series. "What Goes Up Must Come Down ... And Then Spread Around: Particle Resuspension Indoors." Roger Lewis, assoc. prof. of community health, Saint Louis U. Whitaker Hall Aud. 935-5548.

Noon. Cell Biology & Physiology Seminar. "RNA Targets, Fat Transport and Cell Death: A Stressful Situation." Nicholas O. Davidson, prof. of medicine. McDonnell Medical Sciences Bldg., Rm. 426. 362-6630.

4 p.m. Dept. of Music Lecture Series. "Representations of Jewish Identity in Selected Operas by Rossini and Verdi." Jesse Rosenberg, asst. prof. of music studies, Northwestern U. Music Classroom Bldg., Rm. 102. 935-4841.

Monday, March 31

11 a.m. American Indian Awareness Week Poetry Reading. Alice Azure and Mi'kmaq Elder. Sponsored by the Buder Center for American Indian Studies. Goldfarb Hall Student Commons. 935-6288.

11:45 a.m. Infectious Diseases CME Lecture. "Rethinking the Role of NNRTIs: Clinical Strategies for Optimizing Outcomes With Next-Generation Agents." Pablo Tebas, assoc. prof. of infectious diseases, U. of Pa. Barnes-Jewish Hosp. Bldg., East Pavilion Aud. To register for CME: clinicaloptions.com/NNRTIgrandrounds. To R.S.V.P. for lunch & lecture only: milleria@im.wustl.edu.

Noon. Work, Families and Public Policy Brown Bag Seminar Series. "Intimate Discrimination." Elizabeth Emens, assoc. prof. of law, Columbia Law School. Eliot Hall, Rm. 300. 935-4918.

3 p.m. Siteman Cancer Center Seminar. "Olig Genes in CNS Development and Tumorigenesis." David H. Rowitch, prof. of pediatrics & neurosurgery, U. of Calif., San Francisco. South Bldg., Rm. 3907,

Philip Needleman Library. 454-8981.

4 p.m. Gephardt Institute for Public Service Lecture. "YouTube and Political Rhetoric." Sam Coppersmith and Bob McEwen, former U.S. congressmen. Co-sponsored by WU Votes. Women's Building Formal Lounge. 608-1497.

4 p.m. Immunology Research Seminar Series. "SAP Family Adaptors in Immunity." André Veilleux, lab. dir. in molecular oncology, Institut de Recherches Cliniques de Montréal. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar. "Functional Anatomy of the AV Node." Igor R. Efimov, assoc. prof. of biomedical engineering & physiology, The U. of Ala. at Birmingham. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

6:30 p.m. Architecture Lecture Series. Tom Kundig, Olson Sundberg Kundig Allen Architects, Seattle. (6 p.m. reception, Givens Hall.) Steinberg Aud. 935-9300.

Tuesday, April 1

9 a.m.-4:30 p.m. Center for the Application of Information Technology Workshop. "Business Strategy Fundamentals for IT Professionals." (Continues 9 a.m.-4:30 p.m. April 2.) Cost: \$850, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. 935-4444.

Noon. Interdisciplinary Project in the Humanities Lecture Series. "Beautiful Dreamer." Carl Phillips, prof. of English. Women's Building Formal Lounge. 935-4200.

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "How Cryptococcus Makes Its Coat." Tamara Doering, assoc. prof. of molecular microbiology. Cori Aud., 4565 McKinley Ave. 362-8873.

3 p.m. School of Law Public Interest Law and Policy Speaker Series. "Race and the Roberts Court." Charles Ogletree, prof. of law, Harvard U. Anheuser-Busch Hall, Rm. 401. 935-6419.

4 p.m. Assembly Series. Rabbi Ferdinand Isserman/Students for a Peaceful Palestinian-Israeli Future Lecture. Ari Sandel, filmmaker. Lab Sciences Aud. 935-5285.

5:30 p.m. Biophysical Evenings Seminar. "The How and Why of Polyglutamine Aggregation." Rohit Pappu, assoc. prof. of biomedical engineering. Cori Aud., 4565 McKinley Ave. 362-4152.

7 p.m. Film & Media Studies Book Reading. "The Story of Forgetting." Written by Stefan Block, 2004 WUSTL graduate. Duncker Hall, Rm. 201, Hurst Lounge. 935-4056.

7 p.m. School of Medicine Mini-Medical School I. Cost: \$125. (Continues weekly through May 13.) Eric P. Newman Education Center. To register: 362-6585.

Wednesday, April 2

11 a.m. Energy, Environmental & Chemical Engineering Seminar Series. "Entrepreneurial Ventures: From Classroom to Board Room." Michael Lefenfeld, President & CEO, SIGNa Chemistry, New York. Whitaker Hall Aud. 935-5548.

4 p.m. American Indian Awareness Week Lecture. "Traditional Tribal Ceremony as Therapy in Post-Traumatic Stress." Harold Barse, Kiowa/Witchita/Sisseton-Wahpeton Sioux. Brown Hall Lounge. 935-6288.

4 p.m. Anesthesiology Lecture. Annual C.R. Stephen Lecture. "Personalized Healthcare." Jeffrey R. Balse, prof. of anesthesiology, medicine and pharmacology, Vanderbilt Medical Center. Eric P. Newman Education Center. 454-8701.

4 p.m. Assembly Series. Student Union Speaker Series. Ken Paulson, editor, USA Today. Graham Chapel. 935-5285.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "How Directional Translocation is Regulated by a DNA Helicase Motor." Klaus Schulten, prof. of chemistry, U. of Ill. at Urbana-Champaign. McDonnell Medical Sciences Bldg., Rm. 264. 362-4152.

4 p.m. Physics Colloquium. "Factorisation of Numbers, Schrödinger Cats and the Riemann Hypothesis." Wolfgang P. Schleich, Institut für Quantenphysik, Universität Ulm. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

6:15 p.m. Germanic Languages & Literatures Lecture. "Orte und Praktiken Religiöser Gewalt im Drei igjährigen Krieg: Konfessionelle Unterschiede und ihre Wahrnehmungen im Spiegel von Selbstzeugnissen." Hans Medick, visiting prof. January Hall, Rm. 10A. 935-5106.

Thursday, April 3

Noon. Genetics Seminar. "Genomic Analysis of Skin Microbiome: Gene-Environment Interactions at the Skin Surface." Julie Segre, National Human Genome Research Inst., NIH. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Assembly Series. Consuming News: Newspapers and Print Culture in Early Modern Europe Conference Lecture. "An Afternoon With Calvin Trillin." Calvin Trillin, author. Steinberg Aud. 935-5285.

4-9:30 p.m. Germanic Languages and Literatures Symposium. "Transfer

Miniature book collection opens at Olin Library

By JESSICA DAUES

Throughout history, people have been fascinated by extremes, whether it's the tallest mountain, the longest river or the deepest sea.

Julian I. Edison is no exception — only instead of things large, it's small books that fascinate him.

Edison, a member of the University Libraries' National Council and a noted miniature book collector, is displaying approximately 200 of his volumes in the exhibition "Miniature Books: 4,000 Years of Tiny Treasures," which opened at Olin Library's Department of Special Collections March 17.

The exhibition is free and open to the public and closes June 6.

Among the books featured are:

- The first book on contraception;
- Abraham Lincoln's Emancipation Proclamation, first published in book form as a miniature;
- "Facts about the Candidate," which was distributed during Theodore Roosevelt's presidential campaign;
- A copy of a miniature book astronaut Edwin "Buzz" Aldrin brought to the moon in 1969;
- A Japanese prayer scroll from 770 A.D., which is the oldest-known text printing on paper;
- The smallest book ever printed with movable type. This book — containing a letter by Galileo on science and religion — is less than one inch in height, composed of 200 pages and printed in 1896. "The type font was so tiny that the work was said to have seriously injured the eyesight of both the compositor and corrector," Edison said. "It took one month just to set and print 30 pages. That book is the greatest marvel in miniature book



Miniature books have served many purposes, from political propaganda to curiosities.

publishing."

Many of the items displayed at the Olin Library exhibition were taken from an earlier showing of Edison's books at the Grolier Club in New York City. Both exhibitions displayed just a part of Edison's collection.

Many of his books were featured in a book he co-wrote with Anne C. Bromer, which shares the same title as the exhibition and is available at the campus bookstore.

Miniature books have served many purposes throughout history, according to Edison. Their small size makes them perfect for the hands of children. Their portability made them useful as political propaganda, dictionaries, religious books and almanacs. Beautifully illustrated miniature books have been created for aesthetic purposes, and others were made to amaze as curiosities.

The books may have different purposes, but they have one feature in common: For a book to be considered miniature in the United States, it must measure no bigger than 3 inches by 3 inches. The books are so small that the library had to make special cradles to display them.

Edison, who has served as the editor of *Miniature Book News* for more than 40 years, first became interested in miniature books in 1960 after his wife gave him a miniature nine-volume set of Shakespeare's complete works on their first wedding anniversary. They were the first miniature books Edison had ever seen, and he was intrigued.

His quest for more such small books during the past half-century has taken him to auction houses, book fairs and flea markets around the globe.

Edison, who will receive the Dean's Medal from Shirley K. Baker, vice chancellor for scholarly resources and dean of University Libraries, in a ceremony April 2 at Olin Library, is hesitant to name a favorite among his collection.

"They're like grandchildren," said Edison, who has two grandkids himself. "They are all my favorites."

For more information on the exhibit or the Department of Special Collections' hours, please call 935-5495 or visit library.wustl.edu.

Saturday Science seminar series to address concepts in physics

By JESSICA DAUES

WUSTL physics professors will review some fundamental ideas in physics — from thermodynamics to quantum mechanics — during the regular Saturday Science seminar series sponsored by the Department of Physics in Arts & Sciences and University College.

This semester, the theme of the lectures will be "Concepts in Physics."

The full exploration of these topics can be complex, but the Saturday Science lectures are geared to the general public. "Anyone with a desire to gain a basic understanding of these topics can take something away from the lectures," said Robert McDowell, Ph.D., professor emeritus in mathematics in Arts & Sciences, who is a regular at the lecture series with his wife, Att.

"These talks are like a normal physics lecture, but a bit slower," McDowell said, "and they are delivered by people who know this audience and take into account who's out there."

"They are very specific but give a general overview of topics in physics at the same time. This lecture series is one of the great things that takes place on this campus," McDowell said.

Now in their 16th year, these lectures have been very popular, with typical weekly attendance between 150-200, said Michael W. Friedlander, Ph.D., professor of physics in Arts & Sciences and the

series' organizer. "The audience just fills the room," McDowell said. "My wife and I know if we get there late, we won't be able to sit together."

In previous lecture series, the focus has been on subjects such as the application of physics in medicine, in astrophysics or in studying the structure of solids.

There have also been historical lectures, including some on Albert Einstein and J. Robert Oppenheimer.

The 2008 lectures begin April 5 and are offered every Saturday in April. They are free and open to the public, and no registration is required.

Presentations begin at 10 a.m. and will take place in Crow Hall, Room 201. The schedule is as follows:

- **April 5:** John Rigden, Ph.D., adjunct professor of physics, will present "What Do the Laws of Thermodynamics Tell Us?"
 - **April 12:** Mark Alford, Ph.D., associate professor of physics, will discuss "What Does Quantum Mechanics Tell Us About the Universe?"
 - **April 19:** Michael Ogilvie, Ph.D., professor of physics, will present "Are There More Than Four Dimensions?"
 - **April 26:** Carl Bender, Ph.D., the Wilfred R. and Ann Lee Konneker Distinguished Professor of Physics, will speak about "Turbulence."
- For more information, contact the Department of Physics at 935-6276 or visit physics.wustl.edu/Events/Docs/SaturdayMorningSeminar.php.

Effects: Appropriations of German Culture in Nineteenth-Century America." (Continues 8:15 a.m.-9 p.m. April 4; Brookings Hall, Rm. 300, and 9:30 a.m.-10 p.m. April 5, Wilson Hall, Rm. 214.) Steinberg Aud. To register: 935-5106.

4 p.m. History Colloquium. "Canterbury Tales, Rashemon and the Telling of History: Official Corruption in the Late Ottoman Empire." Donald Quataert, prof. of history, State U. of New York at Binghamton. (Reception follows.) Co-sponsored by Jewish, Islamic and Near Eastern Studies. Duncker Hall, Rm. 201, Hurst Lounge. 935-5450.

4 p.m. Vision Science Seminar Series. "Development of the Mouse Eye: Induction, Morphogenesis and Anti-Angiogenesis." Richard Lang, prof. of ophthalmology, U. of Cincinnati College of Medicine. Maternity Bldg., Rm. 725. 362-3315.

4:15 p.m. Earth & Planetary Sciences Colloquium. Stephen Zatman Memorial Lecture. "Volatiles and Melting in the Mantle." David Bercovicz, prof. of geology & geophysics, Yale U. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

6 p.m. Architecture Lecture Series. Robert McCarter, prof. of architecture. Saint Louis Art Museum, 1 Fine Arts Drive. 935-9300.

8 p.m. The Writing Program Spring Reading Series. Brian Henry and Tomaz Salamun, authors, read from their poetry. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Friday, April 4

11 a.m. Computer Science & Engineering Colloquium. "CRISTA: An Integrated Adaptive Technique for Voltage-Overscaling and Error Resiliency." Swaroop Ghosh, grad. research asst. in electrical & computer engineering, Purdue U. Cupples II Hall, Rm. 217. 935-6160.

11 a.m. Midwest Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research Guest Lecture. "Rational Vaccine Design and Emerging Infections: AIDS and Influenza." Gary J. Nabel, dir., Vaccine Research Center, NIH. (Refreshments served.) Farrell Learning & Teaching Center, Holden Case Study Rm. 286-0432.

Noon. Cell Biology & Physiology Seminar. "Dynamic Real-Time Analysis of Signaling Pathways in Live Cells and Animals With Bioluminescence Imaging." David R. Pivnicka-Worms, prof. of radiology, McDonnell Medical Sciences Bldg., Rm. 426. 362-6630.

1 p.m. American Indian Awareness Week Lecture. "Strong Hearts: Native Service and Leadership." Tom Holm, prof. of American Indian Studies, U. of Ariz. Brown Hall Lounge. 935-6288.

2 p.m. Imaging Sciences Pathway Seminar. "Shape Distributions for Histologic Grade Estimation." David Breen, asst. prof. of computer science, Drexel U. Whitaker Hall, Rm. 218. 362-6946.

2:30-7 p.m. Gynecologic Oncology CME Course. "Sixth Annual Gynecologic Cancer Conference." Cost: \$75. Eric P. Newman Education Center. To register: 362-6891.

3 p.m. Jewish, Islamic and Near Eastern Studies Colloquium. "Sufism: The Formative Period." Ahmet T. Karamustafa, prof. of history, Eads Hall, Rm. 216. 935-8567.

4 p.m. Dept. of Music Graduate Symposium. Matthew Kickasola, graduate teaching asst. and Matthew Pace, graduate teaching asst. Music Classroom Bldg., Rm. 102. 935-4841.

Monday, April 7

9 a.m.-4:30 p.m. Center for the Application of Information Technology Workshop. "Leading Change Across IT and the Enterprise." (Continues 9 a.m.-4:30 p.m. April 8.) Cost: \$1,250, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. 935-4444.

4 p.m. Physics Seminar. "Simulations of Clathrate Hydrate Structure and Dynamics with Applications to Hydrogen Storage and Carbon Dioxide Sequestration." Saman Alavi, U. of Ottawa. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

Tuesday, April 8

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Origins and Functions of Legionella Effectors." Howard Shuman, prof. of microbiology, Columbia U. Cori Aud., 4565 McKinley Ave. 362-3692.

2:45 p.m.-7:30 p.m. Center for the Application of Information Technology Executive & Management Forum. "Aligning IT and Business." Steven Romero, IT Governance Evangelist. Dennis & Judith Jones Visitor and Education Center, Forest Park. CAIT, 5 N. Jackson Ave. 935-4444.

Wednesday, April 9

Noon. Center for the Study of Ethics &

Human Values Lecture. "The Ethics of Performance Enhancement in Sport." Thomas Murray, pres., The Hastings Center, New York. Co-sponsored by Student Health Law Assoc. (Reception follows.) Anheuser-Busch Hall. 935-9358.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Protein Unfolding in the Cell." Andreas Matouschek, prof. of biochemistry, molecular biology and cell biology, Northwestern U. McDonnell Medical Sciences Bldg., Rm. 264. 362-4152.

4 p.m. Cell Biology & Physiology Lecture. Annual Erlanger-Gasser Lecture. "Telomerase and the Consequences of Telomere Dysfunction." Carol W. Greider, prof. & dir. of molecular biology and genetics, Johns Hopkins School of Medicine. Farrell Learning & Teaching Center, Connor Aud. 362-3964.

6 p.m. Kemper Art Museum Gallery Talk. "Portrait of Geraldine Lee, No. 1 (1914)." Spotlight Series on George Bellows. Kemper Art Museum. 935-4523.

8 p.m. Romance Languages & Literatures Lecture. Annual Rolando Lara Memorial Lecture. "Theorizing the New World Baroque." Lois Parkinson Zamora, prof. of English, U. of Houston. Women's Building Formal Lounge. 935-5175.

Music

Thursday, March 27

8 p.m. Jazz at Holmes. Jeanne Trevor and the Carolbeth True Trio. Ridgley Hall, Holmes Lounge. 935-5566.

Friday, March 28

6 p.m. Kemper Presents Concert Series. Learn, Artist! Kemper Art Museum. 935-4523.

7:30 p.m. Trinity Piano Trio. Recital Hall, 560 Trinity Ave. 935-4841.

Tuesday, April 1

8 p.m. Student Recital. Recital Hall, 560 Trinity Ave. 935-4841.

Thursday, April 3

8 p.m. Jazz at Holmes. Jerry Green, saxophone. Music of John Coltrane. Ridgley Hall, Holmes Lounge. 935-5566.

Friday, April 4

6 p.m. Kemper Presents Concert Series.

Psychotronics. Kemper Art Museum. 935-4523.

Sunday, April 6

2 p.m. Graduate Voice Recital. Diana Coss. Graham Chapel. 935-4841.

On Stage

Friday, March 28

8 p.m. OVATIONS! Series. "Cloudless." (Also 8 p.m. March 29.) Cost: \$30, \$25 for seniors, WUSTL faculty & staff, \$18 for students & children. Edison Theatre. 935-6543.

8 p.m. Performing Arts Dept. Presentation. "Young Choreographers Showcase." (Also 8 p.m. March 29; 2 p.m. March 30.) Cost: \$15, \$9 for seniors, WUSTL students, faculty & staff. Mallinckrodt Student Center, Annelise Mertz Dance Studio. 935-6543.

Sports

Thursday, March 27

All Day. Track & Field WU Invitational. (Continues all day March 28-29.) Francis Field. 935-4705.

3 p.m. Softball vs. Incarnate Word. WUSTL Field. 935-4705.

4:30 p.m. Women's Tennis vs. McKendree U. Tao Tennis Center. 935-4705.

Saturday, March 29

10 a.m. Softball vs. Fontbonne U. Saint Louis Invitational. WUSTL Field. 935-4705.

Noon. Softball vs. College of St. Scholastica. Saint Louis Invitational. WUSTL Field. 935-4705.

Sunday, March 30

Noon. Softball vs. Central College. Saint Louis Invitational. WUSTL Field. 935-4705.

2 p.m. Softball vs. Maryville U. Saint Louis Invitational. WUSTL Field. 935-4705.

Monday, March 31

4:30 p.m. Women's Tennis vs. Maryville U. Tao Tennis Center. 935-4705.

Wednesday, April 2

1 p.m. Baseball vs. MacMurray College. Kelly Field. 935-4705.

Saturday, April 5

All Day. Track & Field WU Select. Francis Field. 935-4705.

Wednesday, April 9

4 p.m. Softball vs. Westminster College. WUSTL Field. 935-4705.

And More

Friday, March 28

7 a.m.-5 p.m. School of Medicine Health & Wellness Fair. McDonnell Pediatric Research Bldg., First Fl., Atrium. Open to all School of Medicine employees. For more info: healthyliving.wustl.edu.

Sunday, March 30

8 p.m. School of Art Annual Fashion Design Show. Cost: \$65, general seating; \$35, standing room only. Four Seasons Hotel, Lumiere Place Casino & Hotels, 999 Second Street. 935-9090.

Monday, March 31

9 a.m. Breakfast With the Congressmen. Drop in and talk with Sam Coppersmith and Bob McEwen, former U.S. congressmen. Whispers Café, Olin Library, Lvl. 1. 935-8628.

Tuesday, April 1

6:30 p.m. School of Medicine Concert Reading. "W.T." Co-sponsored by Barnes-Jewish Hospital and The Repertory Theatre of St. Louis. (Reception and discussion follows.) Eric P. Newman Education Center. R.S.V.P. to 454-7116.

Thursday, April 3

11 a.m. American Indian Awareness Week Food Tasting and Information Booth. Lopata Courtyard & Goldfarb Hall Student Commons. 935-6288.

Saturday, April 5

10 a.m.-10 p.m. American Indian Awareness Week Pow Wow. Athletic Complex. 935-8868.

Expansion

Moves double size of WUSTL clinic space

— from Page 1

located in Professional Office Building 3 in space that became available when the University's orthopedic and sports medicine surgeons recently relocated to the new Washington University Orthopedics and Barnes-Jewish Hospital Outpatient Orthopedic Center on Interstate 64/40 in Chesterfield, Mo. These pediatric services bring the partnership between WUSTL and St. Louis Children's Hospital to the Barnes-Jewish West County campus for the first time.

The expanded Siteman Cancer Center at Barnes-Jewish West County Hospital will include a new linear accelerator, allowing WUSTL radiation oncologists to treat cancer patients with external radiation therapy for the first time on the campus. Radiation oncologists also will have access to a newly installed CT scanner to use in treatment planning. The linear accelerator and CT scanner are owned and operated by the hospital.

WUSTL medical oncologists and radiation oncologists will occupy Professional Office Building 2, where the expanded cancer center will be located, and a greater range of surgical specialists will be nearby in Professional Office Building 1. Currently, University medical oncologists see patients in a suite of offices at 969 Mason Road. They will move to the new Siteman Cancer Center facility when the renovations are complete. Outpatient space for cancer patients will double to 14 exam rooms and 28 chemotherapy infusion bays.

As a National Cancer Institute Comprehensive Cancer Center, Siteman Cancer Center's locations at both Barnes-Jewish West County Hospital and Barnes-Jewish Hospital at the medical center can provide comprehensive cancer care and access to the latest clinical trials, new treatment options and new technology in advance of most community hospitals.

The Siteman Cancer Center facility at Barnes-Jewish West County Hospital also will offer critical support services for cancer patients, including a cancer information center, social services and patient support groups. When a patient needs a combination of care from Siteman's main location at the medical center campus and from the new center in West County, the services will be carefully coordinated so the patient experience is seamless and the largest-possible share of the care is provided close to the patient's home.

A full range of surgical services also is available on the West County campus, including lung and thoracic, urologic, vascular, plastic and reconstructive, colon-rectal, bariatric and neurosurgical specialties. Plastic and bariatric surgery will be housed

in a new Washington University Aesthetic Surgery Center in Professional Office Building 1, which is scheduled to open in April.

The Department of Medicine will expand its presence and open a multispecialty medical practice at Barnes-Jewish West County. Dermatology and dermatologic surgery, rheumatology, gastroenterology, asthma, allergy, bone metabolism, diabetes, infectious diseases and kidney specialists all will be available, the majority from a new center in Professional Office Building 2.

In addition, the University Eye Center is doubling the size of its offices and moving from Building 1 to Building 2. New neurology services on campus include sleep specialists and experts in epilepsy, stroke and neuromuscular disorders.

Patient care provided by heart specialists at the Washington University Heart Care Institute in Building 3 also is expanding to include a greater range of hospital-based care. Washington University cardiologists now are available for inpatient consults and offer 24-hour emergency room coverage. For the first time, Barnes-Jewish West County Hospital is staffed for an inpatient cardiology telemetry unit with a focus on low- to moderate-risk patients in a new Cardiac Monitored Care Unit.

"The growth of clinical services at Barnes-Jewish West County Hospital gives patients greater access to Washington University physicians and to the services of a University-linked hospitals like Barnes-Jewish Hospital and St. Louis Children's Hospital. Expanding our partnership with Barnes-Jewish and Children's to encompass the West County location enables us to better fulfill our mission of excellence in patient care, teaching and research," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "Our patients now have more choices in where they can seek care from a Washington University physician."

"Barnes-Jewish West County Hospital is an outstanding community hospital, and we're excited to expand clinical services unique to a top 10 hospital like Barnes-Jewish and our nationally renowned Washington University physician colleagues to the West County location," said Andy Ziskind, M.D., president of Barnes-Jewish Hospital and Barnes-Jewish West County Hospital.

For a number of years, Washington University physicians have had a clinical presence on the campus in conjunction with private physicians. The expansion of services will maintain that model.

University-employed physicians and physicians in private practice will have admitting privileges at the hospital and will have outpatient offices on campus or immediately adjacent to the campus at 969 Mason Road.

Healthcare

At the intersection of business and medicine

— from Page 1

nies, pharmaceutical companies and the government, which means that there is politics involved. It's Byzantine.

"We designed this program so that a course called Olin Grand Rounds is at its core. This class introduces students to the intersection of business and medicine. In addition to case studies, we have clinicians and business people

come into class to talk about the issues they face," Hamilton said.

On top of that core class, students add courses in healthcare economics and policy, healthcare management and at least one other course in biomedical engineering, biology or anthropology.

Students aren't the only ones who benefit from having the healthcare management major option. Hall noted that St. Louis' medical sector can find value in the coursework and the program's graduates.

"Health care companies are under a lot of fiscal pressure to perform. Our program will produce smart people who have been

trained to think critically in approaching problems and who have a strong understanding of both the science and business ends of the industry," Hall said.

Jeff Cannon, associate dean and director of Olin's undergraduate programs, said he anticipates the new major will be a popular choice for WUSTL students. He said that enrollment in Olin Grand Rounds, which the school has offered the past two years, has included as many as 50 students. Cannon said it would not take long for students to realize the value of studying with top business school and medical school faculty.



Be prepared Four facilities workers — (from left) Randy Kemper, Gene Russell, Rich Bartholome and Brian Strahan — receive empty pill bottles from volunteers during the University's Strategic National Stockpile drill March 18, which was supervised by the St. Louis County Department of Health and simulated the department's and WUSTL's responses to an anthrax release in St. Louis. The purpose of the drill was to ensure that the University and the health department have the capability to get life-saving drugs to the University population in a public health crisis. Approximately 200 volunteers — including students, faculty and staff — were involved in the drill at the Gargoyle as both patients and caregivers.

Open-source innovation conference April 4-5

By JESSICA MARTIN

The Center for Research on Innovation & Entrepreneurship (CRIE) at the School of Law will host "Open-Source and Proprietary Models of Innovation: Beyond Ideology," April 4-5 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

Open-source is a set of principles and practices on how to write software. When IBM contributed 500 patents for use by open-source software developers, it cemented open-source software development's move from the fringe into the mainstream.

The open-source model of innovation has even begun migrating to other technology and creative fields, such as biotechnology and electronic publishing.

"Through all of this, there is a growing rift between the advocates of a 'viral' form of 'free software' licensing and those advocating a more pragmatic approach to open-source software licensing," says Charles McManis, J.D., the Thomas and Karole Green Professor of Law and CRIE director.

"These recent developments sparked the idea for this conference," he said.

The conference will address the following questions about open-source and proprietary models of innovation:

- How and when do the two models work?
- How and when (and how well) do they work together?
- What does law have to do with it?

Participants will hear from experts in the areas of anthropolo-

gy, biology, business, economics, education, engineering and law.

In conjunction with the conference, Jonathan Zittrain, J.D., the Chair in Internet Governance and Regulation at Oxford University, will sign his most recent publication, "The Future of the Internet — And How to Stop It," at 5:30 p.m. April 4 outside of the

Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

The conference is free and open to the public, and Missouri CLE credit will be given. Registration is required.

To register, visit law.wustl.edu/CRIE/conferences or contact Karma Jenkins at 935-9490.

Social work lecture series begins March 28

By JESSICA MARTIN

The George Warren Brown School of Social Work's spring lecture series focuses on pressing policy issues such as social security and public health.

The series kicks off at 11 a.m. Friday, March 28, with a lecture titled "Is There a Social Security Crisis?" by Michael J. Astrue, commissioner of the Social Security Administration. Astrue's presentation is the School of Social Work's annual Benjamin E. Youngdahl Lecture on Social Policy.

All lectures will be held in Brown Hall Lounge. The remain-

ing schedule:

• **4 p.m. Monday, March 31:** Julian Le Grand, Ph.D., the Richard Titmuss Professor of Social Policy at the London School of Economics, will speak about "The Giant of Excess: Individual Behavior and Public Health."

• **4 p.m. April 22:** Felton Earls, M.D., professor of human behavior and development at Harvard University, will present "Chicago to Moshi: From Observational to Experimental Epidemiology."

All lectures are free and open to the public. The series will continue in the fall.

For more information, call Jenny Kraus-Smith at 935-7573.

Record

Volume 32, Number 27

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

Notables

Engineering alumni achievement awards dinner set for April 1

BY TONY FITZPATRICK

The School of Engineering Alumni Achievement Awards dinner will be held Tuesday, April 1, at The Ritz-Carlton, St. Louis. A reception will start at 6:30 p.m. with the dinner following at 7 p.m.

Five alumni will receive Alumni Achievement Awards, one will be given the Young Alumni Award and one will be honored with the Dean's Award. The honorees:

Alumni Achievement Awards

Paul L. Chandeysson, M.D., (BSEE '58, BSME '58) is the medical officer for the Food and Drug Administration Bureau of Medical Devices in Arlington, Va. He was the first person with degrees in engineering and medicine to be employed by the medical devices bureau. Chandeysson helped expedite the approval of several life-saving devices, including the implantable defibrillator and the automatic external defibrillator, which is now in use on airplanes and in many public buildings.

Sunil G. Hirani (BSCS '88) is chief executive officer and co-founder of Creditex, New York, a global market leader and innovator in the execution and processing of credit derivatives. Used by more than 1,000 traders at the world's top financial institutions, Creditex is the first and leading e-trading platform in credit derivatives. Crain's New York Business named Sunil to the "40 Under 40" list in 2006.

Donald A. Jubel (BSME '73) is CEO and president of Spartan Light Metal Products Inc. of St. Louis. His company provides highly engineered aluminum and magnesium die-cast solutions for the power train markets. Spartan has the distinct recognition of exporting a critical engine part to a Lexus engine plant in Japan. In 1978, Jubel became the initial project engineer for Spartan's magnesium operation. After working in several positions in operations, engineering and sales, Jubel became president Jan. 1, 1991, and added the title of chief executive officer in 1999.

Charles E. Simmons (BSEE '70) is the retired vice president of marketing and corporate development at Network Appliance Inc. in Los Altos Hills, Calif. At Network Appliance, he was responsible for strategic planning, mergers and acquisitions and corporate partnerships during a period that saw the company grow from \$50 million to \$600 million in annual revenue. Today, he provides lead-

ership to the School of Engineering National Council and is a Life Member of the Eliot Society.

Ellen W. Zegura (BSCS '87, BSEE '87, MSCS '90, DScCs '93) is associate dean and chair of the computing science and systems division of the computer science school at Georgia Institute of Technology. She has been a member of the Georgia Tech faculty since 1993. She served as interim dean for six months in 2002. Her responsibilities range from research and graduate programs to space and facilities planning. Zegura's research interests center on computer networks and the Internet, and she is highly regarded within the networking research community.

Young Alumni Award

Michael Lefenfeld (BSChE, '02) is president and chief executive officer of SIGNa Chemistry Inc. in New York, which he co-founded in late 2003. He and James Dye, Ph.D., discovered a way to stabilize alkali metals and their derivatives by combining them with nanostructured metal oxides to yield a stable powder retaining all of the chemical reactivity. Also, when mixed with water, this powder produces cheap, clean hydrogen gas. His discovery has led to the first advancement in alkali metal chemistry in 100 years by creating a material useful for manufacturing pharmaceuticals, petroleum refining and fuel cells.

Dean's Award

Michael K. Gibbons (MSME '91, MBA '07) is the director/EA-18G program manager of The Boeing Co., in St. Louis. He is the recipient of the Dean's Award, given annually to the individual who has done the most for the school in the preceding year and who has achieved distinction in his or her own career.

Gibbons is recognized for strengthening the relationship between the University and Boeing, particularly in developing the WUSTL Engineering and Boeing Joint Seminar Series, as well as applied systems engineering program that will be offered by WUSTL engineering for Boeing employees. He recently led his team through a five-year, \$1.2 billion development program of the EA-18G Growler, in the initial phases of production, that will replace all existing aircraft carrier-based electronic attack aircraft by 2012. Gibbons also has recently picked up the duties for leading the flight plan for the F/A-18 E/F Super Hornet and EA-18G Growler programs.

German department hosts media symposium

BY NEIL SCHOENHERR

The Department of Germanic Languages and Literatures in Arts & Sciences is organizing the 19th annual St. Louis Symposium on German Literature and Culture. "Consuming News: Newspapers and Print Culture in Early Modern Europe (1500-1800)" will be held April 3-5.

"We are thrilled to, once again, organize the German department's biennial International Symposium on German Literature and Culture," said Gerhild S. Williams, Ph.D., the Barbara Schaps Thomas & David M. Thomas Professor in the Humanities in Arts & Sciences and associate vice chancellor for academic affairs.

"This conference will highlight the role of early modern print media by investigating what was

considered news and how it was used. The role of the media is a topic very much in the news even today. By discussing the evolution and the impact of newspapers and other early modern print media, the symposium will shed light on today's media practices and how news is presented."

The symposium, which will focus on the uses and the evolution of news reports in periodical and fictional literature, will examine how such reports changed forms, venues and audiences; how cultures constructed as well as interpreted historical events with the help of print media; and how history, memory and public discourse work together.

The symposium is free and open to the public. For a complete schedule, visit artsci.wustl.edu/~sym2008/index.html.

American Indian Awareness Week begins March 31

BY JESSICA MARTIN

An American Indian Pow Wow, a traditional food tasting and a discussion on the therapeutic benefits of tribal ceremonies are among the highlights of American Indian Awareness Week March 31-April 5. All events are free and open to the public.

The annual awareness week and Pow Wow, hosted by the Kathryn M. Buder Center for American Indian Studies at the George Warren Brown School of Social Work, allow American Indian students to share their unique cultures with the campus and the St. Louis community.

On Monday, March 31, Mi'kmaq Elder and St. Louis Native community member Alice Azure will present a selection of her poetry at 11 a.m. in Goldfarb Hall Commons.

Filmmaker Patty Loew will screen her movie, "The Way of the Warrior," at 6 p.m. Tuesday, April 1, in Brown Hall Lounge. This documentary explores why, in the 20th century, so many American Indians joined the U.S. military in percentages greater than any other group. The film uses personal stories of heroes and soldiers to examine the warrior ethic in Indian Country and attempt to answer the question why military service is so highly valued in Native communities.

At 4 p.m. Wednesday, April 2, Harold Barse, member of the the Office of Veterans Affairs for the Cheyenne and Arapahoe Tribes of Oklahoma, will speak about using tribal ceremonies as treatment for posttraumatic stress disorder (PTSD). Barse is a veteran of the Vietnam War and a recognized expert on veteran's issues.

"For many American Indian and Alaska Natives, traditional health practices attend to the physical, mental, spiritual and emotional needs of a person while the medical approach tends to focus solely on the physical," said Amy Locklear Hertel, J.D., research manager at the Buder Center. "It is not surprising that many Native people turn to traditional health practices for treatment of their ailments. This promises to be a powerful lecture for both the social sciences and medical sciences alike as Barse will discuss how tribal ceremonies have been used to treat veterans suffering from PTSD."

At 11 a.m. April 3, Buder Center students and staff will offer a sampling of American Indian foods in the Lopata Courtyard and the Goldfarb Student Commons.

Tom Holm, Ph.D., professor of political science at the University of Arizona, will speak about "Strong Hearts: Native Service and Leadership" at 1 p.m. April 4 in Brown Hall Lounge.

The celebration culminates April 5 in the Field House with the 18th annual Pow Wow, a festival of American Indian dancing, singing, drumming, arts, crafts and food. This year's theme is "Honoring Our Native Veterans and All Those Who Serve."

Intertribal and contest dancing take place at 1 p.m. and 6 p.m. Traditional arts and crafts booths open at 10 a.m.

This year's theme of honoring veterans and military service members marks the School of Social Work's increasing collaborations with the St. Louis Vet Center, St. Louis Veteran's Administration Medical Center, St. Louis VA Regional Office, the Missouri National Guard and various Veterans Service Organizations.

"As Brown School faculty with a joint appointment at the St. Louis VA Medical Center, I'm

excited at the opportunity to offer informational booths at the Pow Wow to various organizations that serve veterans," said Monica Matthieu, Ph.D., research assistant professor. "The Pow Wow co-chairs and Buder Center staff have been instrumental in helping me get the word out among veterans and military families by visiting the VA Medical Center, the VA Regional Office and distributing posters to the military public affairs offices. I'm proud to help honor veterans and the military as well as to celebrate the long tradition of service among the American Indian veterans."

Raven Murray, Pow Wow co-chair and second-year social work student, said that young Native American leaders are providing the St. Louis area with a unique and culturally appropriate celebration.

"This year's Pow Wow holds a deeper meaning for many of us because we chose to honor our veterans," Murray said. "It is important that we show our appreciation to each person who has served our country. In addition to attending, people can donate items that will be shipped to troops overseas."

"We hope that those who attend come with open hearts, respect for our culture, and leave a little more educated on Native Americans," Murray said.

The American Indian Awareness Week and Pow Wow are sponsored by the Buder Center, the American Indian Student Association, the Women's Society and several departments as well as area businesses and organizations.

For more information, call 935-4510 or visit gwbweb.wustl.edu/buder.

Sports

Men's swimming places 13th at NAAs

The men's swimming and diving team finished in 13th place in the overall standings at the 2008 NCAA Division III men's swimming and diving championships on the campus of Miami University in Oxford, Ohio, March 22.

The squad placed in the top 20 at the NCAA championships for the sixth straight year and improved on its 18th-place finish in 2007. Sophomore Alex Beyer had the strongest meet, earning five All-American honors.

Baseball splits four home games

The baseball team split four home games in action at Kelly Field last week.

The Bears (6-6) fell to Webster University, 11-4, March 20, swept a doubleheader with Benedictine University March 21 and fell to No. 27 Illinois Wesleyan, 6-3, March 22.

The Bears had to overcome five-run deficits in both of their wins over Benedictine.

Junior third baseman Scott Kennedy had the best week, going 7-for-13 at the plate, hitting .538

with a home run, four RBIs and five runs scored.

Softball swept in home doubleheader

The No. 9 softball team dropped a pair of games against No. 16 Wartburg College at the WUSTL Softball Field March 21.

The Bears fell in the first game, 8-2, and lost the second contest, 6-2.

WUSTL (15-5) returns to action Thursday, March 27, when it hosts Incarnate Word in a doubleheader at 3 p.m.

Obituary

Parvis, social work professor emeritus, 92

Richard J. Parvis, professor emeritus at the George Warren Brown School of Social Work and leader in the area of international social development, died Sunday, Feb. 24. He was 92.

Parvis dedicated his life to humanitarian activities. He believed social work could correct some underlying causes of societal and economic problems.

Parvis earned a master's degree from Wayne State University. His fieldwork took him to settlement houses in Bridgeport, Conn., and Detroit. He ran a settlement house in Kansas City, Mo., directed a social service

agency in Minneapolis and taught at the University of Minnesota before embarking on his international career.

In the 1960s, Parvis spent two and a half years in India teaching in Lucknow and Madras, followed by two years in Lusaka, Zambia, where he helped establish that nation's Oppenheimer School of Social Work.

He returned to the United States and joined the faculty at the Brown School, where he spearheaded efforts to develop an international community development program.

In the 1970s, Parvis helped

found the International Consortium for Social Development, a multidisciplinary network that even today expands community resources worldwide. By the early 1980s, Parvis was assisting Egypt with its community development programs.

Parvis is survived by his wife, Kaye; sons John and Jim; daughter-in-law, Barbara; son-in-law, Peter; and grandchildren Corinne, Todd, Jannina and Semhar. His daughter, Laurie, predeceased him in 2007.

A memorial service is scheduled for 1:30 p.m. April 26 in Brown Hall Lounge.

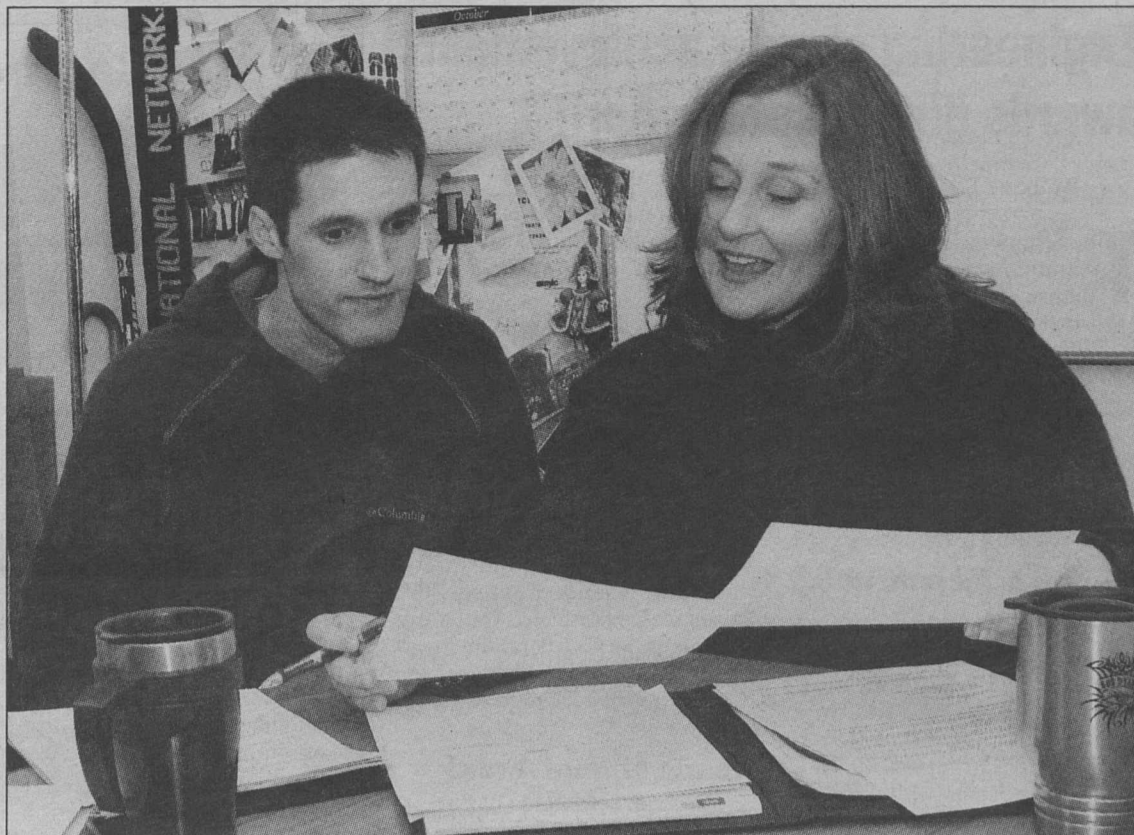
Washington People

If you overheard just part of a conversation with Amanda Moore McBride, you might very well come away thinking she was either an architect or a carpenter. She talks a lot about building structures.

But McBride, Ph.D., assistant professor in the George Warren Brown School of Social Work, is focused on different kinds of structures — the kinds that engage citizens in their communities and in the world and encourage them to do things like volunteer, enter government service and vote. More importantly, she is concerned with who is — and who is not — civically engaged and how privilege and economic standing are often antecedents.

“My primary research question is how to create inclusive civic structures,” McBride says. “In national service programs like AmeriCorps, there is an emerging body of evidence that says that when you take people, particularly those from disadvantaged circumstances, and put them in these programs, they’re more likely to be civically engaged over the long-term.”

McBride says that research shows that, whether building hik-



Amanda Moore McBride, Ph.D., assistant professor of social work, discusses upcoming field research in Peru with doctoral student Benjamin Lough. “I am passionate about applied research that can actually provide input for policy and program development,” McBride says. “I don’t want to do research that just ends up on a shelf.”

By STEVE GIVENS

Civic-minded

McBride studies structures for engaging citizens

ing trails in Oregon or working on a fundraising campaign with a nonprofit in the Bronx, these involved citizens increase their skills and may even have a stronger sense of their career direction — all while meeting vital needs in the community.

“So these service programs can be a win-win, but they have to be structured so that we’re not continuing to marginalize people,” she says.

An important but controversial aspect of building this inclusiveness and equity into civic service is providing financial or other incentives for involvement, especially for those on the margins of the community who cannot afford to dedicate large amounts of time to what is traditionally thought of as volunteer service.

“This really is about people being placed in roles where they are contributing to the public good,” McBride says. “So the questions are, ‘How do we create productive, engaged citizens?’ and ‘How do we create the environment to make that happen?’”

Deep roots in service

McBride’s interest in civic engagement is deep seeded and lifelong. A fourth-generation native of Batesville, Ark., she was taught early on that “all politics is local” from her grandparents and parents. Both her mother and father

were involved in community organizations, and her mother later became a justice of the peace.

“I got to go to the courthouse and watch my mom up there with all these men,” says McBride, smiling proudly at the memory. “When I was in high school, she served on maybe 10 boards. I got to see how community leadership happened and came to understand that this is my responsibility, too.”

After receiving a scholarship to Hendrix College in Conway, Ark., the young premed student found herself befuddled when she struggled after her first semester.

Thankfully, a professor asked: “So what are you really interested in?”

“I told him, ‘I want to influence how people connect to one another and how they engage,’” she says. It was a light-bulb moment.

She started taking psychology classes and became interested in counseling. But something was missing, she says. During her senior year, she took a service-learning course that included volunteer work at a nursing home where she saw firsthand the impact of social programs such as Medicaid and Medicare.

“I realized that it was not just about the individual but about socioeconomic and political circumstances and how these two things fit together,” says McBride, who shortly after brought that lesson to WUSTL’s Brown School to begin work toward her master’s of social work (MSW).

Early on in her time as a graduate student, she was already being urged by faculty members to consider becoming a professor.

“Amanda is an extremely talented, energetic and bright professional,” says Shanti Khinduka, Ph.D., former dean of the Brown School and a distinguished university professor. “She was easily the best student in my MSW class. Curious, industrious and thorough, she struck me and others as an ideal recruit for our Ph.D. program. As a doctoral student, she continued to impress us by her academic and organizational prowess. As expected, she has turned out to be an outstanding teacher and a solid and innovative scholar.”

Asking crucial questions

McBride graduated at the top of her MSW class and was indeed recruited to the doctoral program by then doctoral chair, Michael Sherraden, Ph.D., the Benjamin

E. Youngdahl Professor of Social Development. But she declined, wanting to gain more experience working outside of academia. She got a job at the United Way of Greater St. Louis, which exposed her to the world of nonprofit organizations and community development.

“My time at the United Way confirmed for me what I wanted to do,” she says. “While welfare reform was happening, I interviewed nonprofit organizations and asked them how they were going to cope with funding cuts and how the people they were serving were going to deal with changes in social assistance.”

But McBride says that organizing clients around the policy changes or asking them what they needed in the way of services were not primary strategies mentioned by the organizations. She again began thinking about civic engagement.

Three years after leaving the Brown School, she reconnected with Sherraden and soon was working on an experimental design project at his Center of Social Development and beginning work on her doctorate. She finally had a platform to ask those burning questions about civic engagement.

When she earned a doctorate in 2003 and entered the job market in ’04, she was asked to join the faculty of the school. She currently teaches courses in nonprofit management and community development, and all of her classes are taught from a service-learning perspective wherein her students work at agencies in the community and where they, too, learn how to seek and apply client input.

Although she has her own research agenda, she is still involved with the Center for Social Development, where she serves as research director and currently focuses on a project assessing the impact of international service.

“Amanda has been an exciting scholar from the outset,” Sherraden says. “It is an unusual step for Washington University to hire one of its own Ph.D. graduates, and it is a testimony to Amanda as a promising scholar. This has turned out to be an excellent decision by Washington University.”

Brown School Dean Edward F. Lawlor, Ph.D., agrees. “Amanda’s scholarship is contemporary and cutting edge, relevant to our students, our community partners and to policy,” he says.

A new challenge

In April 2006, McBride was summoned to the chancellor’s office. Given her research interests and rave reviews of her administrative abilities by Lawlor, Chancellor Mark S. Wrighton asked her to put one more item on her already-full plate. He asked her to take the reins of WUSTL’s Gephardt Institute for Public Service, whose mission is to promote civic engagement across the University and empower individuals, especially students and older adults, to become more active citizens. She now serves as the institute’s director.

“I think of the institute as a nexus for service across campus, bringing together student groups, individual students and faculty members — all who are engaged in the community through volunteerism, service projects or service-learning courses,” says McBride, who recently received the distinguished alumni award from Hendrix College, where she first experienced service learning. “The institute’s mission is to support and maximize those efforts for greater impact.”

“Amanda has had an energizing effect on the Gephardt Institute for Public Service and has been instrumental in moving forward its mission and its goals for the future,” Wrighton says. “Considering her leading scholarship in civic engagement, she will be a great contributor to the advancement of the Gephardt Institute, and I look forward to seeing more of what can be accomplished under her direction.”

A passion for purpose

In the end, what McBride the social architect wants to offer her profession and her University is an understanding of the civic structures that allow students and others to find purpose in their lives and work.

“I am passionate about applied research that can actually provide input for policy and program development. I don’t want to do research that just ends up on a shelf,” she says, pointing to the bookshelves behind her lined with binder after binder of notes and reports. “For example, we now have a critical moment in history. Nationwide, more youth are defining their lives in civic terms. What does research tell us on how we can best cultivate and channel that civic conviction across all of our students?”

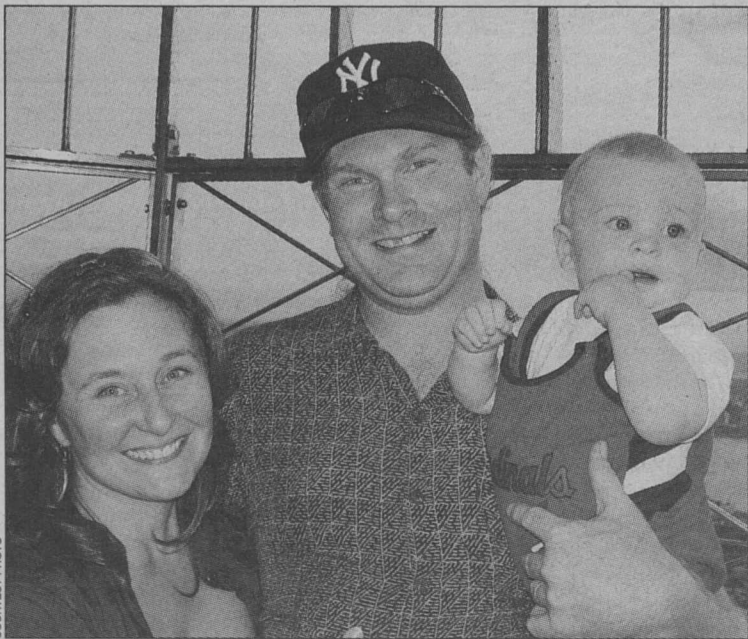
Amanda Moore McBride

Education: bachelor of arts, psychology, Hendrix College; master’s degree and doctorate, George Warren Brown School of Social Work, Washington University

Family: Husband, Mark McBride; son, Liam McBride, 18 months

Hobbies: Hiking, traveling, Cardinals baseball and touring with Bob Dylan (at least a few shows a year)

Professional contributions: Organized a series of five international conferences on civic service with the Center for Social Development, resulting in several notable publications, including: “Civic Service: Toward a Global Research Agenda” (McBride and Sherraden, 2004) and “Civic Service Worldwide: Impacts and Inquiry” (McBride and Sherraden, 2007)



The McBride family: Amanda, husband, Mark, and son, Liam, on top of the Empire State Building.