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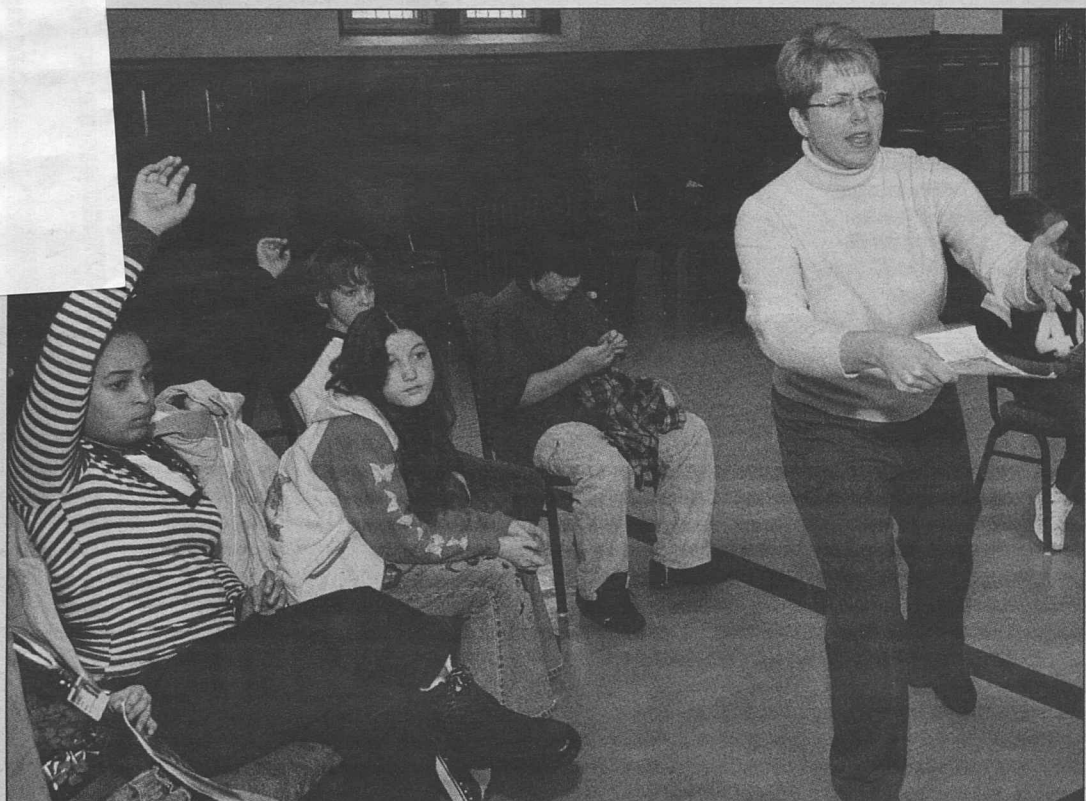
Record

Jan. 25, 2007

record.wustl.edu

Washington University in St. Louis

MRS ANISE MAY GILLIAM
BOX NO. 8132



Collaborative effort Erin Finneran, Ph.D., postdoctoral lecturer in English in Arts & Sciences, leads a discussion with a sixth-grade class from Flynn Park Elementary School after the class viewed the play "Hana's Suitcase." All sixth graders in University City public schools participated in the Washington University-University City Literacy Project. In addition to viewing the play, all children received a copy of the book, attended a lecture by author Karen Levine and participated in a docent-led tour of the Holocaust Museum and Learning Center in St. Louis. Eight performances of "Hana's Suitcase" at Edison Theatre brought in more than 5,000 area students for both the play and post-play workshops on diversity and other topics.

WUSTL is top 10 in 19 disciplines

Faculty scholarly productivity ranks seventh nationwide

In three separate national ratings — faculty scholarly productivity, black student college graduation rates and the number of National Merit Scholars in the freshman class — Washington University ranks in the top 10.

WUSTL ranks as the seventh most productive large research university as measured by the faculty's scholarly productivity, as well as ranking in the top 10 in five broad areas and 19 specific disciplines, according to Academic Analytics' Faculty Scholarly Productivity Index (FSP Index), a new quantitative method for ranking doctoral programs at research universities.

In Academic Analytics' "broad field rankings," WUSTL is ranked in the top 10 in five out of 11 broad field categories. The Uni-

versity programs in social and behavioral sciences rank third; in biological and biomedical sciences, fourth; in public administration and social services professions, tied for fifth; in humanities, sixth; and in business, tied for seventh.

"It's great to see Washington U's strengths being recognized accurately, although our high ratings should come as no surprise," said Robert E. Thach, Ph.D., dean of the Graduate School of Arts & Sciences. "We have always stacked up exceedingly well in performance measures such as the number of papers and books published by our faculty, the numbers of citations of these works by other scholars, and so forth.

"What makes this new study See Rankings, Page 6

Themes of cultural identity run through spring Assembly Series

By BARBARA REA

The spring Assembly Series offers the insight of writers, the inspiration of heroes and the wisdom of experts on American culture and aspects of identity.

Some programs are connected with other events during the spring semester, including a metro-wide reading and discussion project called The Big Read, a Dred Scott symposium and a mini-humanities series.

Assembly Series programs are free and open to the public and take place at 11 a.m. Wednesdays

in Graham Chapel, unless otherwise noted.

David A. Lawton, Ph.D., professor and chair of the Department of English in Arts & Sciences, kicked off the series Jan. 24 with his talk "Burning to Read" as part of the National Endowment for the Arts-supported Big Read program designed to encourage literary reading by helping communities come together to read and discuss a single book.

For more information, see the previous Record story at record.wustl.edu, visit bigread.wustl.edu or call 935-4407.

The series continues Feb. 7. (The Jan. 31 program featuring Henry Louis Gates Jr., Ph.D., the W.E.B. DuBois Professor of the Humanities and director of the W.E.B. DuBois Institute for African and African American Research at Harvard University, was postponed due to a scheduling conflict, and the March 28 and April 4 speakers are to be announced.)

Feb. 7 Lisa Randall

A prominent leader in string theory and a physics professor at

Harvard University, Lisa Randall has written an engaging, accessible study of her view of the universe, which contains as many as 10 dimensions. Its title, "Warped Passages: Unraveling the Mysteries of the Universe's Hidden Dimensions," also is the title of her talk for the William C. Ferguson Science Lecture.



Randall

Feb. 14 Nuruiddin Farah

As one of the negotiators attempting to quell the current struggle in war-torn Somalia, novelist Nuruiddin Farah shows firsthand the remarkable power of words and the importance of protecting that power.

His Assembly Series talk will focus on "Political Islam and Clan in Present-day Somalia." He also will conduct a reading and discussion as a Hurst Visiting Professor for the English department on Feb. 13. His

See Series, Page 6

First biomarker for human sleepiness identified; could aid sleep disorders

By MICHAEL C. PURDY

Scientists have identified the first biochemical marker linked to sleep loss, an enzyme in saliva known as amylase, which increases in activity when sleep deprivation is prolonged.

Researchers hope to make amylase the first of a panel of biomarkers that will aid diagnosis and treatment of sleep disorders and may one day help assess the risk of falling asleep at the wheel of a car or in other dangerous contexts.

"I hope this finding will get people thinking about the dangers and costs of sleep deprivation," said lead author Paul J. Shaw, Ph.D., assistant professor of neurobiology. "If you're feeling sleepy while driving, it's much better to pull over and find a place where you can sleep for a while than to continue on and risk a serious accident."

The study recently appeared in the online edition of Proceedings of the National Academy of Sciences.

Shaw's lab was the first to show that fruit flies enter a state of inactivity comparable to sleep. They demonstrated that the flies have periods of inactivity

where greater stimulation is required to rouse them. Like humans, flies deprived of sleep one day will try to make up for the lost time by sleeping more the next day, a phenomenon referred to as increased sleep drive or sleep debt.

To identify a marker for sleep debt, Shaw decided to look in saliva. Easily accessible, saliva contains many of the substances found in blood and urine, making it an increasingly popular target for diagnostics. Saliva was also an attractive target for Shaw's lab because the brain areas that regulate sleep drive are known to send signals to the brain areas that regulate salivation.

To start his search, Shaw subjected the flies to different kinds of sleep deprivation and used microarrays to look for changes in activity in many different genes. Amylase levels consistently changed after sleep loss. Amylase is a family of enzymes found in the saliva that break down starch.

To verify the connection between amylase and sleep loss, Shaw's lab monitored its activity level after sleep deprivation in different fruit fly lines genetically altered to modify their sleep drive.

One key test involved flies genetically modified in a way that slows their accumulation of sleep debt. When kept awake for three- or six-hour periods,

See Sleep, Page 6



Shaw

United Way campaign goal already exceeded

The University community has come through in a big way to help those less fortunate.

With a stated United Way Campaign goal of \$540,000, to date the University has raised more than \$542,000 since its September kickoff. The contributions are an important part of the 2006 United Way of Greater St. Louis Campaign goal of \$66 million.

"The University community has, once again, rallied around the United Way-funded agencies by supporting our annual campaign," said Ann B. Prenatt, vice chancellor for human resources. "We continue to be very grateful for the generosity of our staff, faculty and retirees. I also want to thank our United Way Campaign co-chairs and volunteers for their hard work and commitment to this effort." The United Way supports

more than 200 local health and human service organizations in the 16-county Missouri and Illinois region. These programs work to increase the safety, health and independence of residents of the bi-state area.

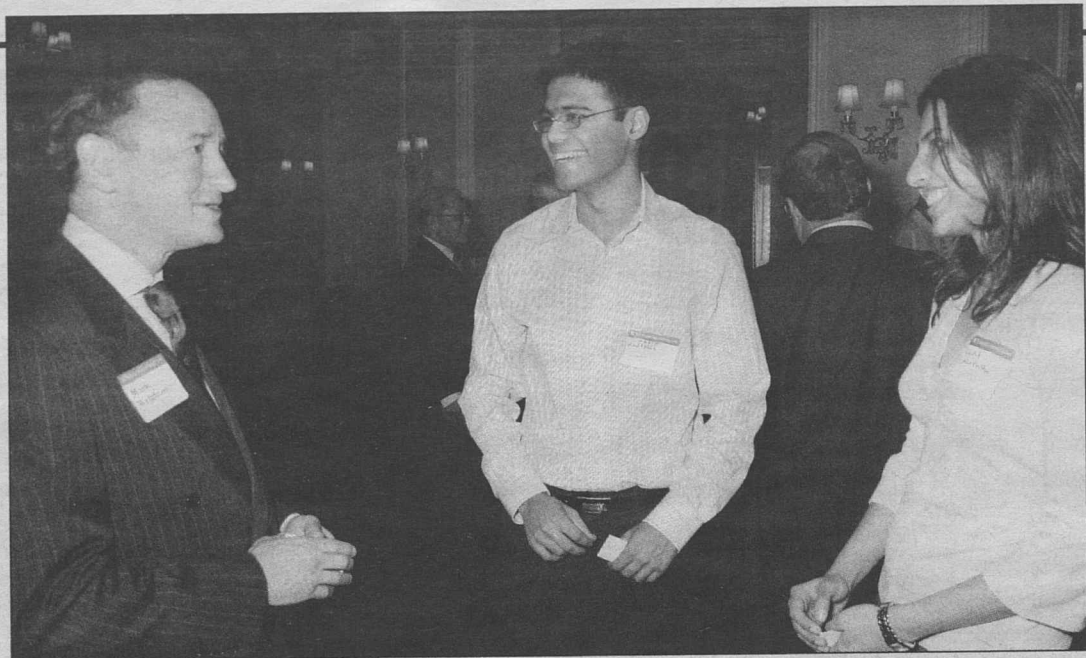
More than 90 cents of every dollar contributed goes directly to helping people. Fewer than 10 cents of each dollar pays for fundraising costs and administration.

More than 400 trained United Way community volunteers from the Missouri and Illinois region review each agency's financial condition, management strength, results and board composition to decide how many dollars to award. General community needs and total available dollars also determine the amount each agency receives.

To make a contribution, call 935-6087.

WASHINGTON UNIVERSITY MEDICAL LIBRARY





New connections Chancellor Mark S. Wrighton chats with siblings and 2006 graduates Harsh and Nupur Agarwal during a recent trip to India to promote collaboration through the McDonnell International Scholars Academy. Jawaharlal Nehru University signed on as the 18th international partner institution affiliated with the academy. Joining Wrighton on the trip were Pratim Biswas, Ph.D., the Stifel and Quinette Jens Professor of Environmental Engineering Science; Himadri B. Pakrasi, Ph.D., the George William and Irene Koechig Freiberg Professor of Biology in Arts & Sciences; James V. Wertsch, Ph.D., the Marshall S. Snow Professor in Arts & Sciences and director of the McDonnell International Scholars Academy; and Nick Benassi, assistant dean in the School of Engineering & Applied Science.

Tuition, fees, room and board keep pace for '07-08

Undergraduate tuition at Washington University in St. Louis will cost \$34,500 for the 2007-08 academic year — a \$1,700 (5.2 percent) increase over the 2006-07 current academic year tuition of \$32,800. The required student activity fee will total \$345, and the student health fee will be \$679. The announcement was made by Barbara A. Feiner, vice chancellor for finance.

Room-and-board charges for 2007-08 will be \$11,632, an increase of \$456 (4.1 percent) over the current year's charges of \$11,176 for the full meal plan and newer student housing.

In a letter to parents and students, Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences, said the following about the 2007-08 tuition, room, board and other fees:

"Colleges and universities face exceptional cost pressures that mirror those costs familiar to all — energy and health care. But we also face expense increases that in many ways are unique to academic institutions such as escalating costs for library periodicals, books, computing and constant upgrading and replacement of laboratory and other instructional technology. Recently added expenses include significant expansion in our career services to meet expectations of students and their families, as well as the challenges of retaining and attracting the very finest faculty. Both of these areas reflect the need of the University to keep pace with other successful highly competitive colleges and universities.

"Families of our undergraduates do not pay the full cost of a Washington University education. That is where the support from gifts and endowment plays an important role — filling the gap between our real expenses and those covered by tuition itself. Washington University is blessed with generous alumni and friends who provide significant annual support and gifts, but their generosity cannot fully cover annual increases in operating expense. Growth in endowment income and gifts and grants cannot rise rapidly enough to offset additional charges that must be supported through tuition.

"As mentioned earlier, career services have become an essential part of the undergraduate experience, beginning with internships and other experiences that students can use in pursuing their after-college plans. While many students pursue graduate school, many are now realizing that a combination of graduate education and career strategies developed while in college can contribute significantly to success in life. Not only have we created and expanded the University Career Center that is available to all students, we also are planning to house this growing area in the new University Center. We want undergraduates to consider their future plans well ahead of the senior year, and we believe a better facility and expanded services will help in making that possible.

"Over the past two decades, Washington University has grown in stature to become one of the most desirable institutions of higher education in the world. This past fall we received the greatest number of freshman applications in our history, and indicators show that this trend will continue as the ratio of applications to openings in our freshman class is one of the very highest in the nation.

"Also outstanding are the quality indicators among our talented applicants as well as our output of exceptional graduates — including two Rhodes Scholars, a Truman Scholar and a Marshall Scholar in 2006. Continuing to attract high-performing students who make contributions through community service and volunteerism are further indication of the University's strengths. Tuition income supports these efforts in helping students develop leadership skills and personal qualities that will serve them

throughout the rest of their lives.

"About 60 percent of Washington University undergraduates receive support in the form of grants, scholarships and other awards through a strong financial aid program. We recognize that it is a significant financial challenge for some families to send their children to college, and those who qualify for need-based financial assistance receive consideration for our increases, as well as for any changes in family financial circumstances at the time application is made for renewal of financial aid."

Macias noted that the University offers payment plans to help lessen family financial burdens, including the Partners in Education with Parents (PEP) plan that allows University charges for all undergraduate years to be paid in monthly installments over as many as 10 years at competitive fixed interest rates. The advantage of this plan is that a family can decrease the effect of future tuition and room-and-board increases, depending on the level of participation the family chooses. There is also a monthly payment plan that allows families to spread all or most of a single academic year's expenses over 10 equal monthly payments without any interest charges.

Below are the 2007-08 full-time tuition and fee schedules for the Washington University graduate and professional programs, as well as tuition for evening and summer schools enrolling part-time students.

Graduate and professional tuition

Graduate School of Arts & Sciences, the Graduate School of Architecture & Urban Design, and graduate programs in the School of Engineering & Applied Science: The 2007-08 tuition charge for graduate students in these programs will be \$34,500, an increase of \$1,700 (5.2 percent) over the current charge of \$32,800.

Graduate School of Art: The 2007-08 tuition charge for the Master of Fine Arts program will be \$27,950, an increase of \$1,319 (5.0 percent) over the current charge of \$26,631.

George Warren Brown School of Social Work: The 2007-08 tuition for the Master of Social Work program will be \$27,390, an increase of \$1,200 (4.6 percent) over the current charge of \$26,190.

School of Law: The 2007-08 tuition for the Juris Doctor program will be \$37,460, an increase of \$1,790 (5.0 percent) over the current charge of \$35,670 and the LL.M. program at \$37,600, an increase of \$1,800 (5.0 percent) over the current charge of \$35,800.

John M. Olin School of Business graduate program: The 2007-08 tuition for the Master of Business Administration program will be \$37,900, an increase of \$1,950 (5.4 percent) over the current charge of \$35,950.

School of Medicine: Tuition for 2007-08 for the M.D. degree will be set in March.

Evening, Summer School tuition

Undergraduate evening students: For undergraduate evening students enrolling in University College in Arts & Sciences or continuing education classes in the School of Architecture in 2007-08, tuition will be \$465 per credit hour, compared with the 2006-07 cost of \$430 per credit hour.

Graduate students in University College: Depending upon the graduate program in University College in Arts & Sciences, tuition ranges from \$465 to \$665 per credit hour for 2007-08 compared with the current range of \$430-\$625.

Summer School in Arts & Sciences: Tuition in Summer School classes in Arts & Sciences will be \$725 per undergraduate credit hour and \$825 per graduate credit hour for summer 2007, compared with the 2006 Summer School rates of \$665 and \$765 per credit hour, respectively.

University receives award for MLK efforts

On Jan. 6, Chancellor Mark S. Wrighton accepted on behalf of the University the Distinguished Higher Education/Community Service Award from the Dr. Martin Luther King Jr. State Celebration Commission.

This was one of several awards presented by the commission at a ceremony held at Harris-Stowe State University.

A letter Wrighton received from the commission in November stated: "This award is being given in recognition of Washington University's outstanding commitment to the community and continuing efforts to exemplify Dr. Martin Luther King Jr.'s ideals and commitments."

"I was pleased to accept this

honor on behalf of Washington University," Wrighton said. "This award reflects the ongoing efforts of Washington University students, faculty and staff who are committed to being a diverse and inclusive community. Being honored by the state's Martin Luther King Jr. celebration commission is a very special honor for us."

The commission considers and recommends to individuals and organizations appropriate activities for the recognition and celebration of Martin Luther King Day in Missouri.

Created by executive order on Dec. 2, 1985, the commission since has grown to include 19 members who serve at the pleasure of the governor.

Nominations sought for annual Virgil Ethic of Service award

The Community Service Office is seeking nominations for the fourth annual Gerry and Bob Virgil Ethic of Service Award. The award recognizes WUSTL community members who believe in and shape the future of the St. Louis region.

Nominees should be people who inspire compassion and action in others; dedicate themselves to community involvement; go above and beyond professional responsibilities in their service to St. Louis; or exhibit passion for a social, cultural or economic issue in St. Louis.

Founded during the University's sesquicentennial year, the award is named in honor of Gerry and Bob Virgil, who for more than 30 years have represented the qualities of service and giving exemplified by the award.

Any member of the University community, past or present, who resides in and serves the St. Louis region is eligible for nomination. Students, faculty, staff, alumni, retirees and friends of the University may receive the award.

Nominations must be received by Feb. 9. Submissions will be reviewed by the Gerry and Bob Virgil Ethic of Service Award Committee; decisions will be announced in March.

For more information and an online or downloadable nomination form, visit ethicofservice.wustl.edu. Completed forms may be mailed to Stephanie N. Kurtzman, chair of the award committee, at Campus Box 1068.

For more information, call 935-5599 or e-mail communityservice@wustl.edu.

Take advantage of tuition tax deduction

Taxpayers taking advantage of the renewed higher education tuition and fees deduction might want to wait until mid-February to file their 2006 income taxes. In recently released guidelines, the Internal Revenue Service (IRS) suggests waiting to ensure claims — filed both on paper and electronically — are processed correctly, according to the American Council on Education.

The tuition tax deduction allows people who earn \$65,000 or less a year (\$130,000 for married couples filing joint returns) to deduct as much as \$4,000 in higher education expenses and those earning \$65,000 to \$80,000 (\$130,000 to \$160,000 for married couples) to deduct as much as \$2,000.

The deduction was included in the Tax Relief and Health Care Act

of 2006 (H.R. 6111), a package of tax extenders, health savings account changes and other tax breaks passed by the U.S. Congress just before it adjourned Dec. 9, 2006. Because the legislation was passed so late in the year, the already-printed 2006 tax forms do not include a line for the tuition deduction.

By early February, the electronic form will be updated with a line for the new tax deductions. Filing electronically reduces the chance for error, the IRS says.

For those filing the paper Form 1040, enter the deduction on line 35, "Domestic production activities deduction." Taxpayers must file Form 1040 to claim the tuition tax deduction; it cannot be claimed on Form 1040A.

For more information, visit irs.gov.

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School of Medicine Update

Surgeon repairs trauma injury from Hawaii surf

By BETH MILLER

Last July, Tim Russell and his family were enjoying a trip to Kauai, Hawaii, hiking, surfing and enjoying the sunshine. While bodysurfing in a remote area, Russell caught a wave. Then a wave caught him — slamming his head against the sand. When he came up for air, he had lost control of his arms and couldn't swim.

Six months later, Russell can lift his arms overhead and out to the side with little or no pain thanks to the surgical expertise of Susan E. Mackinnon, M.D., the Sydney M. Jr. and Robert H. Shoenberg Professor of Surgery and chief of the Division of Plastic and Reconstructive Surgery. But it was a long haul to get there.

While waiting for rescue after the powerful waves knocked him underwater, Russell said he had a very peaceful feeling.

"I thought, 'This is how I am going to die,'" Russell said. "The force of the waves was unbelievable — I guess I should have known when there were no Hawaiians in

the water."

Russell's youngest daughter, 17, rescued her father and pulled him to shore. Russell realized he couldn't move his arms or head because of severe pain in his neck. Because they were in a remote area and their cell phones didn't work, they hiked the two miles back to the trailhead, which took more than two hours. Luckily, an ambulance was already at the trailhead due to another injury. It whisked Russell to the nearest hospital, where he had numerous tests for a spinal injury. The emergency department physicians wanted to send Russell to Honolulu for spinal surgery.

"I told the doctors that if I had to have surgery, I was not having it in Hawaii — I was going home," Russell said.

Once home in Nixa, Mo., Russell went to see neurosurgeon Robert Strang, M.D., who



Russell

wisely wanted to wait before doing surgery to determine if it was truly a spinal injury. An electromyography, which measures the electrical discharges produced in muscles or nerves, showed that it wasn't a spinal injury but a trauma injury to the brachial plexus, a network of spinal nerves that begins in the back of the neck, extends through the armpit and conducts signals from the spine to the shoulders, arms and hands.

From the time of his injury until his Nov. 27, 2006, surgery, he was unable to work and his wife, Marcia, had to help him bathe and dress.

Russell's neurosurgeon referred him to Mackinnon, who found that Russell's suprascapular nerves, which branch from the upper trunk of the brachial plexus, were trapped, causing his pain and weakness.

"The suprascapular nerve is a small nerve that travels through a very tight tunnel at the top of the shoulder blade," Mackinnon said. "While the cause of Mr. Russell's nerve entrapment was unique, there are probably a lot of people with shoulder pain

and dysfunction who have a similar, unrecognized problem that has come on more gradually."

Mackinnon performed surgery at Barnes-Jewish Hospital to release the pressure on the suprascapular nerves by cutting the ligaments, which cover the nerve and run through a notch at the top of the shoulder blade. "The hit from the wave tugged on the nerve and caused enough swelling at that suprascapular tunnel to compromise the blood flow to the nerve," Mackinnon said.

Two days after surgery, Russell reported no numbness in his hands or pain in his arms and that he could see an increase in mobility.

"When I first saw Mr. Russell, he was walking like a penguin without any function in the shoulder muscles," Mackinnon said. "When I saw him just a few days after surgery he told me that for the first time since the accident he could get his arms above his head to wash his hair. We were both thrilled."

Sun protection taught to area middle schoolers

By DIANE DUKE WILLIAMS

Skin cancer is largely preventable, but it affects more Americans than all other cancers combined, according to the National Cancer Institute.

These facts motivated students from the School of Medicine to teach sun protection to students at area middle schools this past fall. This spring, Saint Louis University School of Medicine students will join the teaching efforts.

The program, called Sun Protection Outreach Teaching by Students (SPOTS), was established through a collaboration of students and faculty at the two medical schools, a community nonprofit organization called the Melanoma Hope Network and the Rockwood School District. Stephanie Lickerman, the director of the Melanoma Hope Network and a local nurse who lost her brother to melanoma, came up with the idea.

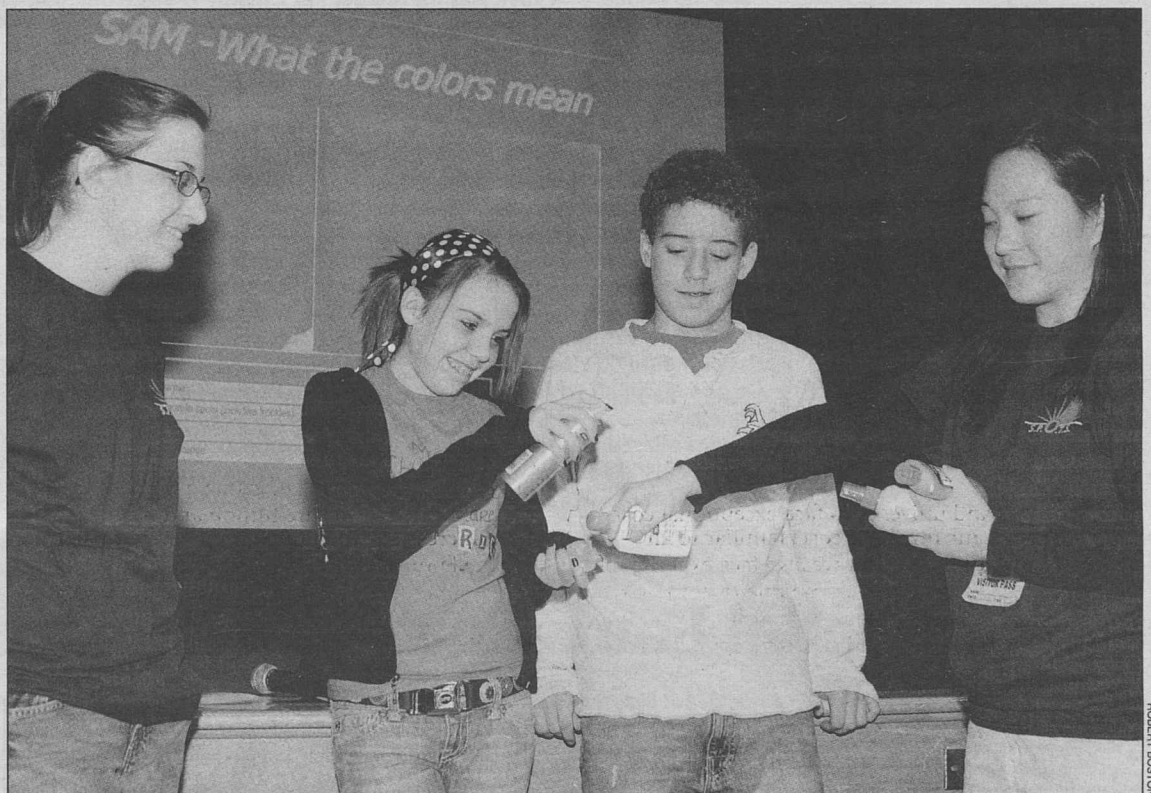
SPOTS is the first educational program of its kind that focuses on teenage skin-cancer prevention taught by medical professionals in training. The program's goal is to teach middle-school students about sun exposure and

the proper use of protective methods such as sunscreen, thereby encouraging lifestyle choices and behavioral changes to reduce the incidence of skin cancer.

"It is extremely important for teens and young adults to understand that the ultraviolet exposure they acquire during their childhood and teenage years has a major impact on their chances of developing skin cancer in the future, and we think that this message is best imparted by educators who are closer to their own age," said Lynn Cornelius, M.D., associate professor of medicine, who is actively involved in the program.

During two 50-minute classes on two days or one 85-minute class one day, medical students use lectures, worksheets, educational games and a video to dispel myths about sun protection among the adolescents. The medical students also bring in a skin analyzer machine — a simple hooded box with a black light and a mirror — to show students the level of their skin damage.

Jason Brant, a School of Medicine student conducting research during his second and third years, said he's surprised at the number



Jen Murphy (left), a student at the School of Medicine, shows two eighth graders at Crestview Middle School different options for sun protection with medical student Vicky Wang (right) as a model. Murphy and Wang are among a group of medical students who teach middle-school students about sun protection and the damages from too much sun.

of teenagers who have suspicious spots or have had melanoma.

"The kids who have these are the ones who tan a lot and don't use sunscreen," he said.

Since its inception, medical students leading SPOTS have taught more than 946 students in

the Rockwood School District. This year, SPOTS will be teaching all eighth-grade students in the six Rockwood middle schools.

"We think a lot of the information we're giving them is just something that has slipped

through the cracks," said Sara Champlin, a second-year School of Medicine student. "We targeted this age group because they spend considerable time outside or in tanning beds and there are very few programs on sun protection for teens."

Muslin named Langenberg Distinguished Professor

By GWEN ERICSON

Anthony J. Muslin, M.D., has been named the Oliver M. Langenberg Distinguished Professor of the Science and Practice of Medicine.

The professorship was established by the Edward Mallinckrodt Jr. Foundation in recognition of Oliver M. Langenberg's outstanding contributions to the foundation's success. Langenberg serves as the chairman of the foundation's board.

Langenberg grew up in St. Louis and graduated from Princeton University in 1935. After World War II, he worked at Gaylord Container and then moved to Mallinckrodt Chemical Co. In



Muslin

1961, Langenberg began a new career with A.G. Edwards & Sons Inc., where he helped pioneer its overseas operations and saw the company develop from 12 branch offices to its current 700. At age 94, Langenberg continues at A.G. Edwards as senior vice president of institutional sales.

The Mallinckrodt Foundation, established by Edward Mallinckrodt Jr. in 1953 to further medical education and research, has provided research support for 28 faculty members at the School of Medicine since 1991. Its grants to the medical school have totaled about \$10 million. Langenberg said he hopes the funding provided by the Mallinckrodt Foundation will someday lead to a Nobel Prize for one of the many scientists it has supported over the years.

Chancellor Mark S. Wrighton and Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of

"Several growth factors and hormones, such as growth hormone and insulin-like growth factor, promote the physiological growth of the heart and may be useful for the treatment of patients with heart disease."

ANTHONY J. MUSLIN

Medicine, announced Muslin's appointment.

"The University has gratefully benefited from the unwavering commitment of the Mallinckrodt Foundation to advancing medical research," Wrighton said. "This professorship will support distinguished faculty members in the Department of Medicine. The inaugural holder of the professorship, Dr. Muslin, is doing important research to address heart disease, one of the most common and costly health problems in the United States today."

Shapiro added that the professorship honors a physician-scientist who has made significant contributions to cardiac research.

"Since joining the faculty of the School of Medicine in 1994, Tony Muslin has greatly expanded the medical community's understanding of the underlying causes of heart disease," Shapiro said.

Muslin also is professor of cell biology and physiology, director of the Cardiology Research Fellowship Program, co-director of the Physician Scientist Training Program and a cardiologist at

Barnes-Jewish Hospital.

Muslin researches the molecular causes of cardiac hypertrophy, or thickening of the heart muscle, and of congestive heart failure. Recently, his investigations revealed the role of signaling molecules in the development of diabetic cardiomyopathy and cardiac hypertrophy in response to hypertension. He identified a pivotal regulatory switch that differentiates the healthy increase in cardiac muscle found in athletes from the unhealthy increase associated with high blood pressure and diabetes.

"It is my hope that in the future, it will be possible to convert pathological cardiac hypertrophy to a more adaptive, physiological form," Muslin said. "Several growth factors and hormones, such as growth hormone and insulin-like growth factor, promote the physiological growth of the heart and may be useful for the treatment of patients with heart disease."

University Events

Socially conscious string music in tune with Black History Month

BY LIAM OTTEN

Cutting-edge composer Daniel Bernard Roumain (DBR) and the string quartet section (SQ Unit) of his band DBR & THE MISSION will celebrate Black History Month with a rare performance of DBR's "A Civil Rights Reader" at Edison Theatre.

The special, one-night-only concert — sponsored as part of the Edison Theatre OVATIONS! Series — begins at 8 p.m. Jan. 26. Tickets are \$30; \$25 for seniors, faculty and staff; and \$18 for students and children.

Dedicated to creating socially and politically conscious music, DBR blends funk, hip-hop and classical music to create a personal sonic vision that critics have described as revolutionary. Rich with cultural references, his works range from classical scores and energetic chamber works to rock songs and electronica.

"A Civil Rights Reader" collects four of DBR's string quartets celebrating four iconic figures from the American civil rights movement: Malcolm X, Martin Luther King Jr., Adam Clayton Powell Jr. and Maya Angelou.

Performers include DBR as bandleader and violinist as well as special guest DJ Scientific on turntables and laptop. The SQ Unit is comprised of Earl Mameen (violin), Jessie Reagen (cello), Matthew Szemela (violin) and Jon Weber (viola).

String Quartet No. 1 "X" (1993), composed when DBR was in his early 20s, combines Bartok-influenced motifs with a



Daniel Bernard Roumain (front) leads the string quartet section of his band DBR & THE MISSION in its special concert "A Civil Rights Reader" at Edison Theatre Jan. 26. The show includes four string quartets by DBR (as Roumain is known) celebrating four iconic figures from the American civil rights movement in honor of Black History Month, which is February.

contemporary sense of funk. Having recently read Malcolm X's famous autobiography, "I was moved to tears and rage and completely related to his struggles," DBR said of the work's creation. "I wanted this quartet to change my world."

String Quartet No. 2 "King" (2001), featuring DBR on electric violin and DJ Scientific on turntables, grapples with complex questions and issues surrounding King's alleged adulterous affairs. "The music illuminates the pillow talk that might have occurred and what influenced these mis-

resses might have had on him and, consequently, the entire civil rights movement."

String Quartet No. 3 "Powell" (2003) is dedicated to the long-serving U.S. representative who shaped some of the most important legislation of the 1960s. DBR — himself a Haitian-American living in Harlem, the district Powell served — depicts not just Powell the man but the "feelings of victory and injustice, pride and shame, community and isolation that he felt" combined "with the range of emotions I often experience as a young

black person."

String Quartet No. 4 "Angelou" (2004) is the first of DBR's quartets dedicated to a female civil rights icon. "Too often I think we tend to neglect the strong leadership roles black women have had in the civil rights movement," DBR said. "Powerful though her words and poetry are, in this quartet, it is the wondrous timbre of the sound of her voice that forms the source material" for a series of electronic soundscapes.

The Edison Theatre performance of "A Civil Rights Reader" is

part of a five-city tour that will travel to Oklahoma City; Lawrence, Kan.; and Fayetteville, Ark. The tour will conclude Feb. 9 at the Library of Congress in Washington.

As a composer, DBR has collaborated with artists ranging from Philip Glass and Ryuichi Sakamoto to Vernon Reid, Savion Glover, Cassandra Wilson and DJ's Radar, Spooky and Scientific.

The orchestras of Dallas, Memphis, San Antonio and St. Louis — as well as the Chicago Sinfonietta, the Brooklyn Philharmonic and the North Dutch Orchestra — have performed or commissioned his works. He serves as music director of the Bill T. Jones/Arnie Zane Dance Company and assistant composer-in-residence for the Orchestra of St. Luke's.

DBR's nine-piece band — DBR & THE MISSION, founded in 2002 — is comprised of young, genre-defying musicians and includes drum kit, keyboard, DJ and laptops as well as an amplified string quartet. The group has performed at venues ranging from the Kennedy Center in Washington and the Cerritos Center in Los Angeles to New York City's Cutting Room, Bowery Poetry Club and Brooklyn's 651 Arts. In 2006, DBR and DJ Scientific debuted DBR's "Sonata for Violin and Turntables" at the Melbourne International Arts Festival.

For more information about DBR & THE MISSION, visit dbrmusic.com.

For tickets or more information on the concert, call 935-6543 or visit edisontheatre.wustl.edu.

'Hello! Louisiana' • Stuck on a Point • Sugar Shock

"University Events" lists a portion of the activities taking place Jan. 25-Feb. 8 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

School of Medicine Student, Faculty & Staff Art Show '07. Through Feb. 26. Farrell Learning & Teaching Center, First Floor Atrium. wattsond@msnotes.wustl.edu.

Film

Friday, Feb. 2

6 & 8:30 p.m. Travel Lecture Film Series. "Hello! Louisiana." Monty & Marsha Brown, dir. Graham Chapel. For costs and information: 935-5212.

Lectures

Thursday, Jan. 25

Noon. Genetics Seminar Series. "Modeling and Design of Protein-DNA Interfaces." James Havranek, dept. of biochemistry, U. of Wash. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

3 p.m. Chemistry Seminar. "Structure Determination of Nanocrystals, Fibrils and Membrane Proteins by Magic-angle Spinning Solid-state NMR." Chad Rienstra, asst. prof. of chemistry, U. of Ill. McMillen Lab., Rm. 311. 935-6530.

3 p.m. Physics Theory Seminar. "Low-momentum Interactions and the Nuclear Many-body Problem." Dick Furnstahl, prof. of physics, Ohio State U. (2:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

Friday, Jan. 26

9:15 a.m. Gene Therapy for Genetic Deficiencies: Success is Just Around the Corner. Kathy Ponder, assoc. prof. of medicine. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Synchronous and Asynchronous Exocytosis from Canine Pancreatic Islet Beta Cells: A Minimal Model for Biophasic Insulin Secretion." Stanley Misler, assoc. prof. of cell biology & physiology. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

Monday, Jan. 29

8 a.m.-5 p.m. St. Louis STD/HIV Prevention Training Center Course. "STD Laboratory Methods." (Continues 8 a.m.-5 p.m. Jan. 30 & 31.) Cost: \$75. For location and to register: 747-1522.

4 p.m. Immunology Research Seminar Series. "Beneficial Mutation in Adaptive and Innate Immunity." Nina Papavasiliou, asst. prof. of lymphocyte biology, Rockefeller U. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar Series. Sandor Kovacs, asst. prof. of medicine. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

Tuesday, Jan. 30

8:30 a.m.-4 p.m. Center for the Application of Information Technology Two-day Workshop. "Marketing the IT Organization Internally." (Continues 8:30 a.m.-4 p.m. Jan. 31.) Cost: \$1,210, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. 935-4444.

9 a.m.-noon. National Center for Biotechnology Information (NCBI) Field Guide Course Lecture. "Field Guide to GenBank and NCBI Molecular Biology Resources." (Also 9 a.m.-noon Jan. 31.) McDonnell Medical Sciences Bldg., Erlanger Aud. For information and to register: 362-4737 or holmeskr@wustl.edu.

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Stuck on a Point: Adhesion and Biofilm Formation of the Plant Pathogen Agrobacterium tumefaciens." Clay Fuqua, assoc. prof. of biology, Ind. U. Cori Aud., 4565 McKinley Ave. 286-2891.

Noon. Program in Physical Therapy Research Seminar. "Prevalence of Diastasis Recti Abdominis in a Urogynecological Patient Population." Tracy Spitznagle, instructor in physical therapy. 4444 Forest Park Blvd., Lower Lvl., Rm. B108. 286-1404.

How to submit 'University Events'

Submit "University Events" items to Genevieve Posey via:

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

Wednesday, Jan. 31

7 p.m. Science on Tap Lecture. "Is it Natural to be Moral?" Ursula Goodenough, prof. of biology, Schlafly Bottleworks, 7260 Southwest Ave., Crown Room. 935-5285.

Thursday, Feb. 1

Noon. Genetics Seminar Series. "Collaborate or Collapse: Experimental and Mathematical Analyses of a Synthetic Cooperative System." Wenyang Shou, computational biology center, Memorial Sloan-Kettering Cancer Center, New York. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Ophthalmology Visual Sciences Seminar. "Crx Activates Photoreceptor Gene Transcription by Promoting Chromatin Remodeling." Shiming Chen, assoc. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-3315.

Friday, Feb. 2

Noon. Cell Biology & Physiology Seminar. "Sugar Shock: A Metabolic Sensor Governing Cell Size." Petra Levin, asst. prof. of biology. McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

6:30 p.m. Performing Arts Lecture. "Kokoschka: Painter and Playwright." Henry Schvey, prof. of drama and chair of performing arts. Kemper Art Museum, Rm. 103. 935-7918.

Saturday, Feb. 3

11 a.m. MLA Saturday Seminar Series. "Environmental Education and Research

at Washington University." Pratim Biswas, Stifel and Quinette Jens Professor of Energy, Environmental & Chemical Engineering. McDonnell Hall, Goldfarb Aud. 935-6700.

Monday, Feb. 5

8 a.m.-5 p.m. St. Louis STD/HIV Prevention Training Center Course. "STD Intensive." (Continues 8 a.m.-5 p.m. Feb. 6 & 7.) Cost: \$125. For location and to register: 747-1522.

3 p.m. Neuro-oncology Research Group Seminar Series. "Modeling Human Brain Tumors in Mice." David Gutmann, Donald O. Schnuck Family Professor of Neurology. McDonnell Medical Sciences Bldg., Rm. 928. 454-8981.

4 p.m. Immunology Research Seminar Series. "Unique Regulatory Proteins of HIV-1 & -2." Lee Ratner, prof. of medicine. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar Series. "Substrate-based Approaches for the Ablation of Post-infarction Ventricular Tachycardia." David Wilber, Eisenberg Professor of Cardiovascular Sciences, Loyola U. Chicago. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

Tuesday, Feb. 6

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Probing Bacterial Toxin Transport Pathways Using Genetics and Chemical Genetics." David Haslam, assoc. prof. of pediatrics and of molecular microbiology. Cori Aud., 4565 McKinley Ave. 362-3692.

4:15 p.m. Earth & Planetary Sciences Colloquium. "Tracing Biological Magnetism in Sediments." Robert Kopp, div. of geological & planetary sciences, Calif. Inst. of Technology. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

5:30 p.m. Biochemistry & Molecular Biophysics Biophysical Evenings Seminar. "Diffusion-sensitive Magnetic Resonance in Vivo: Many Questions? Some Answers." Joseph Ackerman, prof. and chair of chemistry. Cori Aud., 4565 McKinley Ave. 362-4152.

Wednesday, Feb. 7

4 p.m. Division of Biology & Biomedical Sciences "Frontiers in Human Path-

Music

Thursday, Jan. 25

8 p.m. Jazz at Holmes. Dave Stone, saxophone. Ridgley Hall, Holmes Lounge. 935-4841.

Friday, Jan. 26

7:30 p.m. Concert. "A Light from the Darkness 2007." After Dark a capella vocal group. (Also 7:30 p.m. Jan. 27.) Cost: \$7, \$5 for students. For information: afterdark.wustl.edu.

Thursday, Feb. 1

8 p.m. Jazz at Holmes. Tom Kennedy, bass. Ridgley Hall, Holmes Lounge. 935-4841.

On stage

Friday, Jan. 26

8 p.m. OVATIONS! Series. "A Civil Rights Reader." DBR & THE MISSION SQ Unit. Cost: \$30, \$25 for seniors, WUSTL faculty & staff, \$18 for students & children. Edison Theatre. 935-6543.

Sports

Friday, Jan. 26

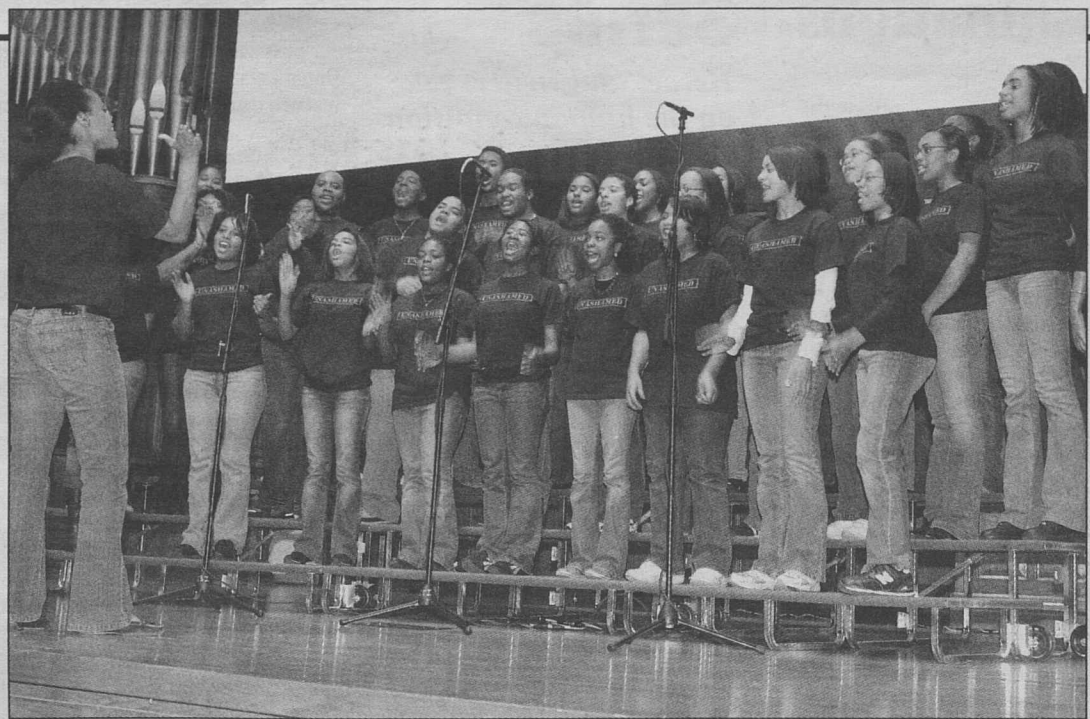
6 p.m. Women's basketball vs. Carnegie Mellon U. Athletic Complex. 935-4705.

8 p.m. Men's basketball vs. Brandeis U. Athletic Complex. 935-4705.

Sunday, Jan. 28

Noon. Men's basketball vs. New York U. Athletic Complex. 935-4705.

2 p.m. Women's basketball vs. New York U. Athletic Complex. 935-4705.



Honoring MLK The University's Visions Gospel Choir performs at the 20th annual celebration honoring Martin Luther King Jr. Jan. 15 in Graham Chapel. The celebration, titled "The Dream of One; the Actions of Many; the Responsibility of All," included welcoming remarks from Chancellor Mark S. Wrighton and performances by the YMCA Boys Choir and Black Anthology. The event kicked off a semester-long series of related activities. For information on other events, see the Dec. 7, 2006, Record story at record.wustl.edu.

Nine set for induction to Sports Hall of Fame

By CHRIS MITCHELL

Nine inductees will enter the University's Sports Hall of Fame Jan. 26. Later that night, the 12th induction class will be recognized at halftime of the 6 p.m. women's basketball game against Brandeis University in the Athletic Complex.

With the addition of the 2006 class, the Hall of Fame boasts 121 members, including Distinguished Service honorees. Admission requires that student-athletes hold an undergraduate degree from the University, have earned their degree a minimum of five years prior to induction and have competed for a varsity sport as recognized by the University. Coaches and administrators must have begun a term of service to the University at least 10 years prior to induction.

This year's induction class features nine former student-athletes: women's basketball's Alia (Fischer) Keys ('00), football's Paul Isham ('62), men's basketball's Ron Jackson ('65), women's soccer's Lori (Thomas) Khazen ('99), men's soccer's Matt Klosterman ('81), volleyball's Jennifer Martz ('99), football and baseball's Don Schlappizzi ('57), men's tennis' Duncan Seay ('88) and wrestling's Jess Yawitz ('68).

Alia (Fischer) Keys helped lead the women's basketball team to three straight national championships and three consecutive University Athletic Association (UAA) titles in 1997-98, 1998-99 and 1999-2000. As starting center, she was a three-time Women's Basketball Coaches Association National Player of the Year and three-time UAA Player of the Year. Keys also won the Honda Award in 1999-2000 as the top female athlete in Division III for all sports. At the time of her induction, she held the University's career record for points (1,974), rebounds (969) and blocked shots (219) and set the single-season record for points (626) and scoring average (20.9) in 1997-98. Washington U. posted a 107-9 (.922) overall record in her four seasons on the Danforth Campus.

Paul Isham was one of only a handful of players during his time to play all four years of football. He earned Associated Press honorable-mention All-America honors at center and linebacker in 1960 and 1962. Isham was co-captain of the 1962 team and was chosen as the team's most valuable lineman. In 1960, he played more minutes than any other player on the team, earning the nickname "Ironman." In 1990, he was selected to the Washington University Football Centennial

Team (1890-1990).

A two-year letterwinner, **Ron Jackson** graduated with two-year totals of 599 points and 13 points per game. In 1963-64, he averaged 11 points per game and was the Bears defensive ace in the backcourt as the squad went 16-8 and finished the season ninth in the Associated Press Small College poll. As a senior co-captain, Jackson averaged 15.2 points on the 1964-65 squad that set school records with a 21-6 mark and a .778 winning percentage. A College Athletic Conference (CAC) selection in 1965, he helped the Bears to a CAC championship and a berth in the NCAA quarterfinals.

A four-time all-UAA and all-region selection, **Lori (Thomas) Khazen** ranks second all-time in the University's women's soccer history in goals (71), assists (38) and points (108). As a senior, she earned UAA Player of the Year honors after setting the Bears' single-season records for goals (31), assists (16), points (78) and game-winning goals (nine). Khazen, who serves as an assistant coach with the Bears' women's soccer team, holds the school record for goals in a game (four, twice) and points in a game (10). She led the Bears to a 58-18-6 record in four seasons, including three trips to the NCAA Tournament and the 1995 UAA championship. Khazen was the 1999 recipient of the W. Alfred Hayes Award, in recognition of student-athletes who, by personal example, have provided constructive leadership at the University.

A four-year starter from 1977-1980, **Matt Klosterman** helped the men's soccer team attain three consecutive Final Four appearances in 1978, 1979 and 1980. He anchored a defense that allowed just 54 goals in 67 games from 1978-1980. Klosterman earned first-team all-Midwest Region honors and NSCAA first-team All-America honors in 1979 when WUSTL allowed just 15 goals in 22 games. He also earned first-team all-Midwest Region honors in 1980 to help set a school record with 15 shutouts.

The 1997 American Volleyball Coaches Association Division III National Player of the Year and the 1999 NCAA Woman of the Year for the state of Missouri, **Jennifer Martz** helped lead the volleyball team to the 1995 and 1996 national championships. She was one of only four players in Division III history to earn four All-America awards, including three first-team selections. Martz graduated as the school's all time leader in kills (2,068), blocks (588) and games played (549)

and finished second in attacks (3,634) and hitting percentage (.443). Her career hitting percentage also ranks second all-time in Division III history. Martz, a four-time all-region and all-UAA selection, was a 1998 GTE/CoSIDA Academic All-America selection.

Don Schlappizzi was a four-year letterwinner in football and baseball. A co-captain in football, he caught touchdown passes in each of his four years. Schlappizzi set the school record for pass receptions in a single game on two occasions and was a defensive standout under the single platoon system. In baseball, he helped lead the team to a 64-14 record in four seasons, including 19 straight wins to end the 1954 season. In 1957, Schlappizzi was named team captain and voted most valuable player after hitting .314 at the plate. Hall of Fame football coach Carl Snavely named Schlappizzi as a player with "tremendous ability" who could have played for any of his teams. He served as a charter member of the W Club, the University's athletic support organization, and as past chair of the Hall of Fame Committee.

A two-time NCAA All-America selection, **Duncan Seay** played No. 1 singles all four years for the Bears' men's tennis team. A team captain in 1988, he qualified for the NCAA Tournament in singles three times and doubles twice and made quarterfinal appearances in singles in 1986 and 1988. As a sophomore, he posted a 26-3 singles record and was ranked sixth in Division III. Seay also defeated the No. 1 Division III player and defending national singles champion two times during his sophomore year. He helped lead the Bears to their first NCAA quarterfinal appearance in 1986. In 1988, he finished the year ranked eighth in singles. During his time at WUSTL, he traveled internationally to play the professional tennis circuit while keeping his amateur status.

Jess Yawitz holds the career victories record for the wrestling program. In the final three years of his career, he posted a 24-16-5 record on teams that went 8-29. As a senior, Yawitz finished second at 130 pounds in the CAC after producing a 6-4-2 mark. He earned team most valuable and most points honors as a junior after compiling an 11-6-2 record at 130 pounds. A two-time team captain, Yawitz, who taught in the John M. Olin School of Business from 1971-1985, received the University's Distinguished Faculty Award in 1983 and the Distinguished Alumni Award in 2004.

Challenge issued to raise No. 9 recycling ranking

By ANDY CLENDENNEN

The University is used to having a top-10 ranking — from U.S. News & World Report to the U.S. Sports Academy Directors' Cup and any other number of barometers. Now, WUSTL has another top-10 finish on its already impressive list: In 2006, the University ranked No. 9 of 62 schools in a national recycling program.

Starting Jan. 28, there's a chance to raise that ranking even higher in 2007.

The top-10 finish came in the paper-recycling category as part of the annual Environmental Protection Agency-sponsored RecycleMania program. The National Recycling Council also is a program sponsor.

"This ranking comes after we consistently ranked at the bottom of this category for several years running," said Bruce Backus, assistant vice chancellor for environmental health & safety. "The primary reason for the improved ranking is due to better tracking of recycled materials but is also due to improved involvement by students, the Committee on Environmental Quality, Facilities Planning & Management, Residential Life, WUSM Facilities Management Department and Environmental Health & Safety."

RecycleMania is a friendly competition among college and university recycling programs in the United States that provides the campus community with a fun, proactive activity in waste reduction. For a 10-week period, campuses compete in different contests to see which institution has the highest recycling rate and which can collect the largest

amount of recyclables per capita, the largest amount of total recyclables and the least amount of trash per capita.

The 2007 contest starts Jan. 28 and runs through April 7, with the main goal of increasing student awareness of campus recycling and waste minimization. The University's Committee on Environmental Quality monitors and submits WUSTL's information to the conference sponsors; participating schools are required to report measurements in pounds on a weekly basis.

"In the spirit of the RecycleMania competition, I would like to issue a friendly challenge to everyone in the University community to increase the amount of material that they recycle," Backus said. "We analyzed what people put into trash containers in select University locations that have access to the University's recycling program, and we found that people are still putting a lot of recyclable materials into the trash."

Backus continued: "With our goal to be an environmental leader, I would like to challenge everyone to improve Washington University's rankings so that we consistently are in the top 10 percent, among the top five to six schools, in all recycling and waste-reduction categories. If even a small portion of the recyclable material is diverted from trash to recycle containers, we can easily achieve this goal."

RecycleMania offers winners various recognition, including trophies, awards and certificates.

For more information on RecycleMania and complete contest results, visit recyclemaniacs.org. For more information about recycling on campus, visit ceq.wustl.edu.

Sports

Win streak reaches 11 for men's basketball

The men's basketball team (14-1, 5-0 UAA) extended its winning streak to 11 games with two home victories.

On Jan. 19, the Bears defeated University of Rochester, 68-59, at the WUSTL Field House for their 10th straight win.

Junior Troy Ruths led WUSTL with 22 points, while senior Nick Nikitas added a career-high 19 points. WUSTL held a 22-0 advantage in points from the free-throw line; Ruths went 8-for-9 and Nikitas went 6-for-6.

On Jan. 21, the Bears posted a 73-49 win against Carnegie Mellon University.

The Bears limited the Tartans to 28 percent shooting from the field in the win. Ruths and sophomore Sean Wallis paced the Bears with 15 points apiece; Ruths also added seven rebounds and five blocks.

Women's basketball tops No. 2 Rochester

The women's basketball team (12-4, 4-1 UAA) picked up a pair of critical conference home wins last weekend at the Field House.

The Bears upended No. 2 and previously undefeated Rochester, 57-36, Jan. 19. WUSTL limited UR to 20.8 percent shooting from the field en route to the win.

Sophomore guard Jill Brandt paced the Red and Green with 13 points, hitting 9-of-11 free throws.

On Jan. 21, WUSTL defeated Carnegie Mellon, 76-64, behind senior Rebecca Parker's seventh double-double of the season (18 points, 16 rebounds).

Senior guard Sarah Schell and Brandt added 14 points apiece in the victory.

Swimming and diving shines at invitational

The men's and women's swimming and diving teams wrapped up their 2006-07 home slate Jan. 20 at the 23rd annual WUSTL Invitational at Millstone Pool. The Bears women won the meet, which featured seven area teams, and the men placed second.

On the women's side, a trio of Washington U. performers helped highlight the two-day event. Junior Meredith Nordbrock turned in her usual strong performance with two NCAA provisional marks. She clocked a time of 2:07.76 in the 200-yard backstroke and followed with a mark of 4:33.88 in the 400 individual medley.

For the men, freshman Perry Bullock cleared the NCAA provisional standard in the 400 IM (4:10.28); his classmate, Alex Beyer finished just behind in 4:11.94.

Men's, women's track opens indoor season

The men's and women's track and field teams opened the 2007 indoor season Jan. 20 at the Rose-Hulman Five-Team Meet in Terre Haute, Ind. The Bears women won the meet, while the men took third place at the site of this year's NCAA Indoor Championships.

Senior co-captain Natalie Badowski started the year on a high note, winning the 800-meter run in a school-record time of 2:16.24.

WUSTL's sprinters provided many of the day's highlights for the men. Junior Doug Beattie clocked a team-best time of 6.77 seconds in the 55-meter dash. In the 400, freshman Iby Umana made a strong collegiate debut with a winning time of 52.55.

Call for Gloria White award nominations

The Office of Human Resources is seeking nominations for the Gloria W. White Distinguished Service Award, which recognizes a staff member for exceptional effort and contributions that result in the enhancement of the University.

The annual award is named for the late Gloria White, who retired in 1997 as vice chancellor for human resources after 30 years with the University.

While exceptional effort and contributions can be described in many ways, those making nominations for this award are asked to consider actions that strengthen the University's ability to promote learning, help create a positive working and learning environment, improve the wider

community and enhance the University's reputation.

Nominees must have at least five years of employment with the University and be nonacademic staff members in good standing. Nominations should focus on the Danforth, North and West campuses, as the School of Medicine established the Dean's Award to provide similar recognition to medical school employees.

Nominations must be submitted by Feb. 23 and must include the nominee's name, the specific reason(s) for the nomination, a brief description of how the University benefits or has benefited from the nominee's actions and the signature of the person submitting

the nomination.

A committee will review the nominations and select the winner, who will receive a \$1,000 award during the May 21 Staff Day celebration on the Danforth Campus.

Nomination forms are available to download online at hr.wustl.edu. Click on "Workplace Support/Policies & Procedures," then on "Employee Recognition" and then "Gloria W. White Distinguished Service Award."

For a hard-copy nomination form or for more information, call 935-5990. Send completed nomination forms to Gloria W. White Distinguished Service Award, Campus Box 1184.

Rankings

WUSTL rates high in black student graduation
— from Page 1

so unusual is that it relies entirely on objective data available in the public domain," Thach continued.

"Reputations, which are commonly distorted by a variety of biases and which take decades to build, are not considered. This enables recent improvements in unfamiliar institutions to be fully appreciated," Thach added.

In "individual discipline rankings" — within the broad field categories — WUSTL ranks in the top 10 in 19 disciplines. In two of these disciplines, WUSTL ranks No. 1. They are ecology and evolutionary biology and political science.

WUSTL top-10 rankings for all 19 disciplines

- Anthropology: 2
- Biochemistry: 8
- Bioinformatics: 7
- Botany and plant biology: 3
- Business administration: 3
- Cell biology: 6
- Communication sciences and disorders: 6
- Developmental biology: 9
- East Asian languages and cultures: 10
- Ecology and evolutionary biology: 1
- English: 4
- Genetics: 10
- Immunology: 6
- Kinesiology and exercise science: 2
- Microbiology: 4
- Molecular biology: 4
- Pathology: 4
- Political science: 1
- Social work: 3

Psychology, social sciences No. 4

The Chronicle of Higher Education, in its Jan. 12 cover story on Academic Analytics' annual index, provides a list of top-10 institutions in six aggregated fields. In those rankings, WUSTL is ranked fourth in two fields: psychology and social sciences. The University's political science department's No. 1 ranking was prominently displayed on the cover.

Academic Analytics' FSP Index is based on a set of statistical algorithms developed by Lawrence Martin, Ph.D., chief scientific consultant to Academic Analytics — a collaboration between faculty and researchers at the Stony Brook University and Educational Directories Unlimited. Martin is dean of the graduate school, associate provost for analysis and planning and professor of anthropology at Stony Brook.

The index measures the scholarly productivity of faculty based on their publications, citations and financial and honorary awards. These numbers are aggregated to evaluate programs, and program scores are aggregated to produce rankings of whole universities.

In its second year of analysis, Academic Analytics' data-gathering program included information from nearly 200,000 faculty members based at 354 institutions and representing 118 academic disciplines in nearly 7,300 Ph.D. programs nationwide.

Other rankings of merit

In other recent rankings, WUSTL fared equally as well. According to the Journal of Blacks in Higher Education, the University ranks eighth in the nation in its black student graduation rate, with 91 percent of black students graduating. This is far better than the national average of 43 percent.

The university has a 91 percent graduation rate for both blacks and whites.

The journal reports that Harvard University has a black student graduation rate of 95 percent, the highest among U.S. colleges and universities, followed by Amherst College, Princeton University, Wellesley College and Williams College, all with a 94 percent graduation rate; Brown University and Yale University at 92 percent; WUSTL at 91; Stanford University at 90; and Northwestern University at 89 percent.

The University ranked fourth in the nation in the number of National Merit Scholars in this academic year's freshman class, according to the National Merit Scholar Corp.'s annual report. Nearly 390 public and private institutions enrolled 8,319 scholars in 2006; of that number, WUSTL enrolled 241.

Ahead of WUSTL in the number of National Merit Scholars in the freshman class are Harvard, with 294; University of Florida, 257; and the University of Texas, 250. Rounding out the top 10 are the University of Southern California, with 206; Northwestern, 198; University of Chicago, 196; Arizona State University, 188; Yale, 186; and Princeton and Stanford, 153.

The total number of WUSTL undergraduates with National Merit Scholarships is 736.

The University also has been ranked 23rd for medium-sized schools in the number of alumni currently serving in the Peace Corps. There are 23 WUSTL alumni in the Peace Corps today. Since the Peace Corps' inception in 1961, 475 university alumni have joined, ranking WUSTL 83rd in the number of volunteers produced over time.

not. When they monitored fly amylase levels in response to these drugs, they found caffeine drove amylase activity up while methamphetamine did not.

Flies dosed with the herbicide paraquat did not have increased amylase levels, suggesting changes in amylase activity were not related to stress.

Flies lacking the gene for amylase had normal sleep and waking cycles, showing that while amylase is tightly linked to sleep drive, it is not actively involved in its regulation.

"We're very pleased with how tightly amylase levels correlate with sleep debt, but for a good diagnostic test we're likely going to need more than one biomarker," Shaw said. "So we're going to continue to use the processes that we've developed to look for other substances that change in connection with the level of sleep debt."

Stephen L. Duntley, M.D., associate professor of neurology and director of the University's Sleep Medicine Center, is a frequent research collaborator with Shaw.

"Despite the tremendous

medical and public health consequences of sleep debt, its measurement in humans relies upon unreliable subjective rating scales and expensive, often impractical sleep laboratory testing," Duntley said. "Simple, easily accessible biomarkers for sleep debt in humans would revolutionize our ability to conduct research on the causes and consequences of sleep deprivation and provide clinicians with valuable new tools for diagnosing and assessing treatment efficacy in patients with sleep disorders."

According to Shaw, sleepiness biomarkers also will prove useful to studies of sleep in animals.

"Cetaceans like killer whales, for example, are known to go for extended periods of time without sleep, and we'd like to know more about how that works and whether they incur sleep debt," Shaw said. "Until now, the main way to study sleep deprivation's effects on the brain has been to attach electrodes, which can be a bit awkward when your target is a killer whale. Hopefully, the markers we develop will make these kinds of phenomena much easier to study."

Series

Heroes and writers take on the human condition
— from Page 1

appearances are part of The Big Read project.

Feb. 21 Christopher Buckley

Before the satirical film "Thank You for Smoking," there was Christopher Buckley's best-selling novel by the same name. In fact, there are several best sellers in Buckley's oeuvre. He will provide a sample of his irreverent wit and political satire in a program partnered by ArtSci Council and the Washington University Libraries.

Feb. 28 Michael Kimmel

Pioneering the study of masculine identity, Michael Kimmel shows how men are affected by societal images of themselves and works to advance the ideal for male-female relationships — one that bridges the gap between "Mars" and "Venus." This is the first of two "Reflections" events for National Eating Disorders Awareness Week (Feb. 25-March 3).

March 1 (Thursday, 4 p.m.) Michael Wolff

Michael Wolff, chief justice of the Missouri Supreme Court, will speak on "Race, Law and the Struggle for Equality: Missouri Law, Politics and the Dred Scott Case." Wolff's talk is part of the March 1-3 symposium at the School of Law titled "The Dred Scott Case and Its Legacy: Race, Law and the Struggle for Equality" commemorating the 150th anniversary of the landmark Dred Scott case. For more information on the symposium, visit law.wustl.edu.

March 7 Lauren Greenfield

Eleven million Americans admit to battling an eating disorder. A contributing factor is our culture's association of beauty with being thin. Lauren Greenfield's photographs and recent film, "Thin," show how distorted and wounding the national obsession with self-image has become. This is the second of two "Reflections" events for National Eating Disorders Awareness Week.

March 21 Gerald Izenberg

Although nothing seems more psychologically or socially basic than the idea that individuals seek identity, philosophy tells us that identity is an illusion. Since we necessarily define ourselves, we can't be anything solid but must constantly choose ourselves.

And that seems consistent with another of our desires: freedom. How can we negotiate this dilemma? In his lecture "Is Identity Necessary? Is Identity Possible?" Gerald Izenberg, Ph.D., professor of history in Arts & Sciences, explores the complicated process of understanding this concept. It is one of three programs he is giving for The Interdisciplinary Project in the Humanities.

Arye Nehorai one of two honored for outstanding technical contributions

Arye Nehorai, Ph.D., the Eugene and Martha Lohman Professor and chair of the Department of Electrical and Systems Engineering in the School of Engineering & Applied Science, has won the Institute of Electrical and Electronics Engineers' Signal Processing Society (SPS) 2007 Technical Achievement Award.

The annual award honors two SPS members who have made

March 22 (Thursday, 4 p.m.) Colin Renfrew

This year's John and Penelope Biggs Lecture in the Classics will feature one of the most influential archaeologists working today. Lord Colin Renfrew is renowned for his work in archaeological science, European prehistory and the origins of language. He is an early proponent of social archaeology, which holds that studying human behavior is key to understanding the human past.

April 10 (Tuesday, 4 p.m., location to be announced) Gerald Early

A masterful essayist and cultural critic, Gerald Early, Ph.D., writes in a style that has been described as incisive, affectionate and graceful. His commentary is sought after by such publications as the New York Times, Harper's and Newsweek and in films such as Ken Burns' "Baseball" and "Jazz." He has edited and authored several volumes of essays. The Merle Kling Professor of Modern Letters teaches in the English department and in the African & African



Early

American Studies program in Arts & Sciences and is director of the Center for the Humanities.

April 11 Minnijean Brown Trickey

As a 16-year-old, Minnijean Brown Trickey walked through the door of Little Rock Central High School in 1957 and broke the color barrier. Courageously, she and eight others — accompanied by armed soldiers to protect them from those opposed to school integration — brought the injustices of segregation to the forefront of America. Looking back on that experience, Brown Trickey will commemorate the 50th anniversary of this historic event with "Return to Little Rock," her talk for the annual Women's Society Adele Starbird Lecture.



Brown Trickey

April 18 Paul Rusesabagina

Paul Rusesabagina is the hotel manager whose heroic efforts were immortalized in the Oscar-nominated film "Hotel Rwanda." Placing himself in peril, Rusesabagina used influence and ingenuity to fend off almost daily attempts to kill the 1,200 people he was sheltering. He recounts his experiences of the Rwandan genocide in the memoir, "An Ordinary Man," also the title of the Martin Luther King Jr. Memorial Lecture, co-sponsored by the Social Justice Center and Amnesty International.

For more information, visit assemblyseries.wustl.edu or call 935-5285.



Rusesabagina

Sleep

Findings could aid sleep-disorder research
— from Page 1

spans that create sleep debt in normal flies, the modified flies do not have increased sleep drive. To increase the modified flies' sleep drive, scientists have to keep them awake for nine or 12 hours.

In the modified flies, amylase levels only increased when they were kept awake for the longer nine- and 12-hour periods that gave them sleep debt.

"This helped prove that the increases in amylase activity level we were seeing weren't just triggered by wakefulness," Shaw said.

Humans kept awake for 28 hours also had increased amylase levels versus controls allowed to sleep normally.

Shaw's lab previously showed that they can use caffeine and methamphetamine to keep flies awake. Caffeine inflicts sleep debt, causing flies to sleep for extended periods when it wears off, while methamphetamine does

Notables

Introducing new faculty members

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

Costas Azariadis joins the Department of Economics in Arts & Sciences as professor. Azariadis earned a doctorate in 1975 from Carnegie Mellon University and has been affiliated with Brown and Penn universities and UCLA. He was tenured in 1977 (Penn) and promoted to full professor in 1983 (Penn). He served as the director of UCLA's Program for Dynamic Economics from 1993-97 and from 2000-06. He has served as editor or co-editor for a number of top journals and has been on journal advisory boards and National Science Foundation panels. He is a fellow of the Econometric Society. His research focus is on labor contracts, macroeconomic dynamics and economic development.

Michele Boldrin joins the Department of Economics in Arts & Sciences as professor. Since earning a doctorate from the University of Rochester in 1987, Boldrin has been affiliated with UCLA, Northwestern and Minnesota. He was tenured in 1990 (Northwestern) and promoted to full professor in 1999 (Minnesota). Boldrin has served as editor or associate editor for many top journals and is an associate editor of *Econometrica*. He served as vice president and president of the Italian Economic Association and is a research associate of the Center for Economic Policy Research. He is a fellow of the Econometric Society. His research focuses on economic theory, economic growth and macroeconomics.

Sebastian Galiani joins the Department of Economics in Arts & Sciences as associate professor. He earned a doctorate from Oxford University in 2000 and has been affiliated with Universidad de San Andrés in Argentina, promoted to the associate rank there in 2005. Galiani chairs the executive committee of the Network of Inequality and Poverty, sponsored jointly by LACEA, the Inter-American Development Bank and the World Bank. His main research focus is on development economics, particularly on evaluating public policies being undertaken by developing countries.

David K. Levine joins the Department of Economics in Arts & Sciences as professor. After completing his doctorate at the Massachusetts Institute of Technology in 1981, he joined UCLA's faculty as an assistant professor and was there later tenured and then promoted to full professor. He has served on the editorial board of many top journals and is co-editor of *Econometrica*. He is the president of the Society of Economic Dynamics. He has served on the National Science Foundation economics panel and on the American Economic Association's Committee on Honors and Awards. He is a fellow of the Econometric Society. His research is on game theory, general equilibrium theory and macroeconomic theory.

Architecture students earn honorable mention

BY LIAM OTTEN

Cristina Greavu and Peter Elsbeck, both graduate students in architecture in the Sam Fox School of Design & Visual Arts, earned an honorable mention as part of an international urban design competition sponsored by the High Commission for the Development of ArRiyadh, Saudi Arabia.

The High Commission — chaired by Prince Salman Bin Abdulaziz Al-Saud, the governor of the ArRiyadh Province — oversees strategic planning, infrastructure development and management of urban, economic, architectural, heritage and cultural programs for ArRiyadh, the capital of the Kingdom of Saudi Arabia.

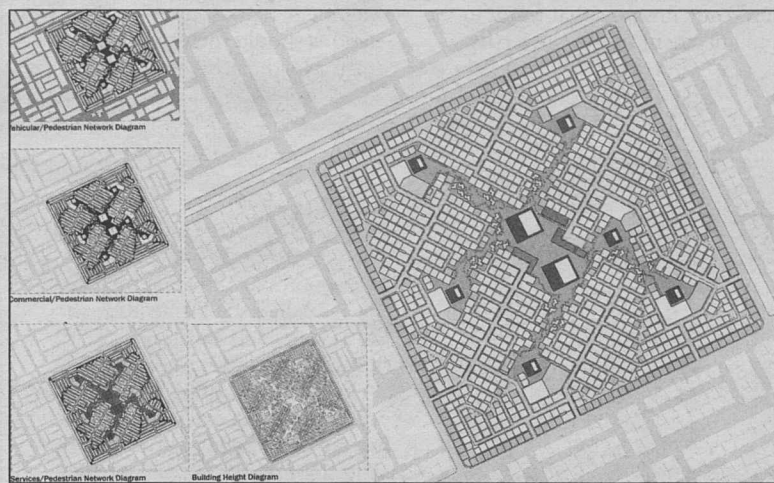
The competition, titled "A Neighborhood — Residence and Life," asked entrants to rethink housing and neighborhood design in ArRiyadh by planning a "superblock" development in the north of the city. Over the next 25 years, housing demand in ArRiyadh is expected to increase by 30,000 to 40,000 units annually, and organizers hoped to generate a range of ideas for overcoming problems within the city's existing residential neighborhoods, particularly developments that have sprung up since the 1970s. Major issues include a shortage of schools, public gardens and other public services, as well as a lack of parking, a lack

of privacy and insufficient pedestrian networks.

Elsbeck and Greavu drew on principles found in ArRiyadh's traditional urban form and addressed contemporary demands for more open space by integrating and connecting socially, civically and institutionally significant public spaces through a system of greenways that also branch into walkable connections throughout most of the neighborhood's residential sectors. The proposal thus accounted for the car while simultaneously minimizing vehicular impact on the residents.

Greavu and Elsbeck also give credit to Saurin Shah, a recent graduate of the University, for his collaboration in the very early stages of the design.

The 10-member design jury was chaired by Abdel Halim Ibrahim, professor of architec-



Cristina Greavu and Peter Elsbeck used this neighborhood design in an international competition for ArRiyadh, Saudi Arabia.

tural design at Cairo University in Cairo, Egypt.

The competition drew more than 70 entries from 35 countries. In March, the entries will be featured as part of special exhibition held in conjunction with the High Commission's Third International Housing Symposium in Riyadh.

For more information about the symposium, visit housing3udc.com.

For the Record

Of note

NASA has selected **Alian Wang**, Ph.D., senior research scientist in Earth and Planetary Sciences in Arts & Sciences, to participate as a member of the science team for the European Space Agency's ExoMars mission. Wang will receive approximately \$800,000 to study the chemistry, mineralogy and astrobiology of Mars using instrumentation on the ExoMars mission, scheduled for launch in 2013. The mission will fly the first Raman Spectrometer, an instrument that Wang has worked on for more than 10 years, originally with the late Larry Haskin, to Mars. ...

Pam Wiese, senior administrator for strategic initiatives in the Olin School of Business, has been named one of this year's 40 Under 40 by the St. Louis Business Journal. She was profiled in the Jan. 12 issue, and will be recognized with 39 other's named as young professionals making their mark on the local business community at a dinner and awards program Feb. 8. ...

Margo Schlanger, J.D., professor of law, is contributing to an American Bar Association project to create principles for times of national disaster. The proposed "Rule of Law in Time of Calamity" principles are designed to address issues of insurance, compensation, procedural justice, and criminal justice (such as policing, prosecution and corrections). The ABA Section of Litigation considered the proposed principles Jan. 18-20. Schlanger is one of 16 academics and judges working on the project. The proposed principles are designed to guide responses to many kinds of disasters that challenge the operation of civil and criminal justice. If the ABA Section of Litigation approves the principles, they will go to the ABA's House of Delegates for consideration as ABA policy. ...

R. Gilbert Jost, M.D., the Elizabeth Mallinckrodt Professor and head of the Department of Radiology, was named president of the Radiological Society of North America Board of Directors in November at the society's annual meeting. The group is an organization of more than 37,000 radiologists, radiation oncologists and

related scientists committed to promoting excellence in radiology through education and research, with the ultimate goal of improving patient care. Jost's presidency will last a year. ...

Curtis McMillen, Ph.D., associate professor of social work in the George Warren Brown School of Social Work and associate director of the Center for Mental Health Services, was an invited speaker at a National Governor's Association Policy Academy meeting in late November in Miami. His talk was titled "Policies that Support Older Youth in Foster Care with Serious Mental Illness." ...

Victoria J. Fraser, M.D., the J. William Campbell Professor of Medicine, has received a five-year, \$1,999,986 grant from the National Center for Infectious Diseases for the "Washington University & BJC Epicenter for Prevention of Health Care-associated Infection." ...

Andreas H. Burkhalter, Ph.D., professor of neurology, has received a five-year, \$1,546,667 grant from the National Eye Institute for research titled "Formation of Cortical Areas and Circuits." ...

Jonathan D. Gitlin, M.D., the Helene B. Robinson Professor of Medicine, has received a five-year, \$1,540,559 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Biological Roles of Copper in Human Nutrition." ...

Keril J. Blight, Ph.D., assistant professor of molecular microbiology, has received a five-year, \$1,521,667 grant from the National Institute of Allergy and Infectious Diseases for research titled "Defining NS4B Function in Hepatitis C Virus Replication." ...

Ming You, M.D., professor of surgery, has received a five-year, \$1,363,420 grant from the National Cancer Institute for research titled "Chemoprevention with mTOR & Farnesyltransferase Inhibitors." ...

James M. Cheverud, Ph.D., professor of genetics, has received a four-year, \$1,237,474 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Genetic Basis of Dietary Obesity in Mice."

Watson receives archaeology's Pomerance Award from AIA

BY NEIL SCHOENHERR

Patty Jo Watson, Ph.D., the Distinguished University Professor Emerita, Archaeology, was recently awarded the Pomerance Award for Scientific Contributions to Archaeology from the Archaeological Institute of America (AIA).

The award was presented at the AIA's annual meeting Jan. 5 in San Diego.

The Pomerance Award is presented annually to a professional or amateur scientist, or team, whose interdisciplinary work with archaeology merits recognition.

During her distinguished career, Watson has made significant contributions to the field of archaeology. One of the most significant is the refinement and application of flotation technology to the recovery of small items, including ancient seeds and small bones.

During the early part of her career, Watson specialized in Near Eastern prehistory, participating in field projects in Iraq, Iran and Turkey.

In the 1960s, she initiated re-

search in Salts Cave, Kentucky, a portion of the world's longest cave system in Mammoth Cave National Park.

She was able to develop this work into a long-term research project on agricultural origins in eastern North America.

Her work in Salts Cave changed the manner in which archaeologists define agriculture in eastern North America and set a high standard for following research in both the New and Old Worlds.

Watson has published many books, including "Archaeological Ethnology in Western Iran" (1979), where she combined the fields of archaeology and ethnology, and "Explanation in Archaeology: An Explicitly Scientific Approach" (1971), which has major contributions to archaeological theory.

Watson has been involved with many professional organizations, including the American Anthropological Association, the Society for American Archaeology, the National Academy of Science and the Archaeological Institute of America.

The AIA is North America's oldest and largest organization devoted to archaeology. Founded in 1879, the AIA has almost 8,000 members belonging to 102 local societies in the United States, Canada and overseas.



Watson

Vizzier named law's career director

Carol A. Vizzier, J.D., has been appointed director of career services and public interest at the School of Law, announced Kent D. Syverud, J.D., dean of the law school and the Ethan A.H. Shepley University Professor.

Vizzier joins the staff of Elaine M. Bourne, J.D., associate dean for career services, and will lead efforts to build a strong public interest and government programs component of the Career Services Office.

Vizzier has an extensive litigation and public interest background through her staff attorney work with Gay Men's Health Crisis, the MFY Legal Services Inc. Mental Health Law Project

and the Bronx AIDS Services.

She has bridged the private and public sectors, having served for several years as assistant director for public service at Milbank, Tweed, Hadley & McCloy LLP, where she coordinated and supervised that firm's pro bono program.

In addition to her legal experience, Vizzier has several years of experience in law school student services administration. Most recently, she served as assistant dean at the University of Maine School of Law.

Vizzier earned a bachelor's degree from Haverford College and a law degree from Cornell University.

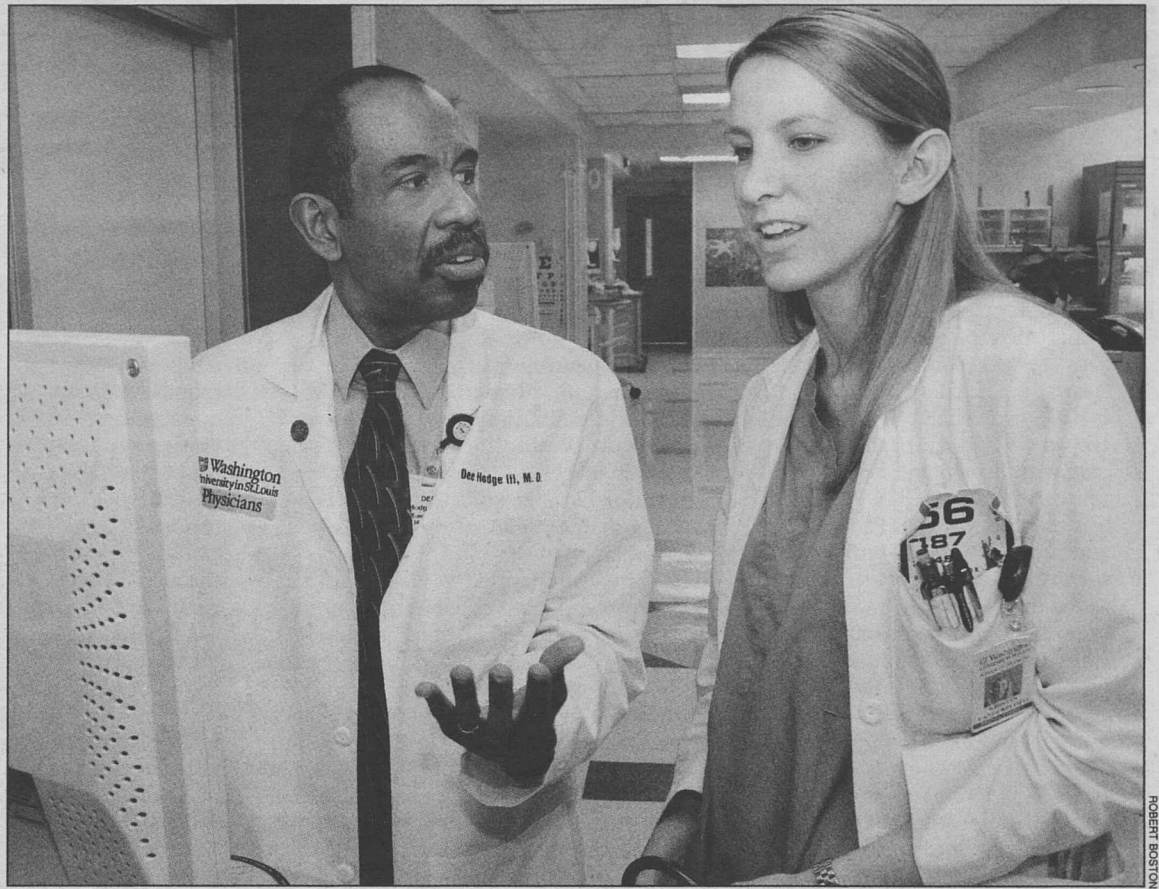
Washington People

For fun, Dee Hodge III, M.D., takes part in an annual 129-mile bike ride called the Death Ride in the Sierra Mountains near the California-Nevada border.

In addition to the distance, the premier cycling event held every July involves pedaling up five mountain passes between 5,500 feet and 8,730 feet and requires finishing within 14.5 hours. Hodge has attempted this feat 11 times and finished eight.

The endurance and determination that allow Hodge to compete in such events also well equips him to coordinate care of the 140 or so patients a day in one of the nation's busiest pediatric emergency departments.

As associate director of clinic affairs emergency services at St. Louis Children's Hospital, Hodge is heavily involved in overseeing



Dee Hodge III, M.D., shows third-year student Kristin Vanderploeg the new electronic records system used by the St. Louis Children's Hospital Emergency Department. "His tireless efforts with the electronic medical information system have made us one of the first academic children's hospitals in the nation and one of the first units locally to use a fully electronic medical record," says David M. Jaffe, M.D.

BY BETH MILLER

Ensuring a smooth ride

Dee Hodge works tirelessly to streamline the Emergency Department

clinical operations in the Emergency Department and in quality-improvement efforts. He came to the University in 1996 from Oakland Children's Hospital.

Perhaps the biggest feather in his helmet is helping take the Emergency Department paperless with a color-coded electronic records system that went online in August. After nearly three years of work — and countless meetings — Hodge is proud to say the electronic system is "almost there."

"All of our physician charts, nursing notes and orders are done electronically," he says. "Our next stage is to allow the system to accept scanned documents so that we won't have paper charts floating around from other hospitals and will be able to capture photographic radiology images into the patient's record."

While initially he and the team thought they would be able to choose a software package off the shelf, they quickly found that those packages are geared mostly toward adults.

"I spent five to six months reviewing and building a large number of pediatric templates for the system," Hodge says. "Of the 30 that we use, we developed about 12 or 13 new ones."

Hodge says he is looking forward to the benefits the system will offer in terms of quality-improvement research.

"The electronic system is an incredible research opportunity because we can look at time stamps and how long things take from point A to point B to point C," Hodge says. "We'll also be able to do chart-based research with all the data that's there."

Quality improvement

Hodge also spends a large amount of time on quality-improvement initiatives for the Emergency Department. He recently completed a study that looked at guidelines for the management of pediatric patients with gastroenteritis.

"The existing guideline is that children with gastroenteritis should be managed with oral rehydration," he says. "But multiple surveys done in this country show that oral rehydration therapy is rarely used — almost everyone uses IV therapy. We wanted to know why."

Hodge and colleagues used data from St. Louis Children's Hospital's Emergency Department to study oral rehydration versus IV in terms of cost and the time spent in the department. What they found was that both methods are effective and IVs offer little advantage in time-savings.

Hodge, who has a quick smile and a frequent laugh, admits that his role in helping to manage a busy emergency department can be frustrating at times.

"But most of the time it's so incredibly rewarding from the standpoint of what we are doing is really making an impact on the care of kids," he says.

And that shows among his colleagues.

"Dee Hodge is a national leader in pediatric emergency medicine," says David M. Jaffe, M.D., professor of pediatrics, medical director of Pediatric Emergency Services and director of the Division of Emergency Medicine. "He is an expert in rehydration for diarrheal illness and in environmentally related emergencies, and he lectures on these topics on the national scene."

"Dee is also a talented administrator, and he has contributed his formidable skills in developing a robust quality assessment and improvement program in emergency medicine," Jaffe continues. "His tireless efforts with the electronic medical information system have made us one of the first academic children's hospitals in the nation and one of the first units locally to use a fully electronic medical record."

Linda Robert, manager, Emergency Services at St. Louis Chil-

dren's Hospital, says Hodge is very focused on doing what is right for kids.

"He is very collaborative with all staff when working on projects and values everyone's input and communicates respectfully," she says. "He does not lose his cool even under the most difficult situations."

Holding up the safety net

Part of what makes St. Louis Children's Hospital's Emergency Department so busy is its use as a "safety net" for those who are uninsured, underinsured or simply have nowhere else to go.

"No one questions the use of the Emergency Department after a motor-vehicle accident," Hodge says. "But if your child has a high fever, people question why they take the child to the Emergency Department instead of calling their physician. Well, sometimes pediatricians say they can't see you for three days, or the family doesn't have a pediatrician or it happens at midnight and they have no one to call. So they end up where they know they're going to get care."

"We try to provide the best care anywhere when that happens, and that's what Emergency Departments are going to do, need to do and have always done."

Pedaling and skating

Hodge typically starts his day around 5 a.m. to get in a cycling workout before heading to the hospital. He has two or three clinical shifts a week in the Emergency Department at St. Louis Children's Hospital, and fills the rest of his time on quality-improvement initiatives, work on the electronic record system and lectures to students.

One of his frequent cycling partners is colleague Robert "Bo" Kennedy, M.D., professor of pediatrics and associate director, educational affairs.

"Dee is a great friend and colleague and accomplished cyclist," Kennedy says. "Fortunately for me, he waits for me at the top of the hills! His compassion in caring for children is evident in all he does and his insistence on sticking to evidence-based medicine keeps us from wandering too far. He is a favorite teacher and very effective in leading us through the trauma of transitioning to our electronic medical-record system."

Hodge also gets away from the office occasionally as team physi-

cian for the U.S. Olympic Figure Skating Team. Once a year he travels with the team to an international competition. Those travels have taken him to Japan, Croatia, Poland and Russia.

"It's never quite as glamorous as everyone thinks," Hodge says. "Because of strict anti-doping controls for the athletes, it's my responsibility to make sure the medications and equipment we might need make it to our destination. Also, as long as there is an American skater on the ice, I've got to be there. Someone could have practice at 6:30 a.m. when the rink opens, and between practices and competitions, many times I don't leave the rink until 11 p.m."

Hodge and his wife, Ann Petlin, a clinical nurse specialist in the Cardiothoracic Intensive Care Unit at Barnes-Jewish Hospital, live in Des Peres, Mo., with their two cats, or three if you count the neighbor's cat that has adopted them.

Hodge and Petlin both enjoy cycling. Hodge rode competitively while an undergraduate at Occidental College in Los Angeles, his hometown, but says he had to give it up while in medical school at the University of California, San Francisco. Now he rides recreationally and annually participates in the MS 150, a 150-mile charity ride for the National Multiple Sclerosis Society.

He and Petlin have taken several cycling trips to Italy in the past several years, including Tuscany and the Umbria and Marche regions. For their 25th anniversary next year, they are planning a 300-mile ride in the Italian Dolomites, known as the Italian Alps, which has climbs up to 7,710 feet.



Dee Hodge and his wife, Ann Petlin, enjoy a break during a bike ride and show off their St. Louis Children's Hospital jerseys.

Dee Hodge III

Family: Wife, Ann Petlin; 20 nieces and nephews; three cats

Hometown: Los Angeles

Internship, residency and fellowship: The Children's Hospital of Pennsylvania in Philadelphia

Titles: associate professor of pediatrics; associate director of clinical affairs emergency services, St. Louis Children's Hospital

Hobbies: cycling, photography, reading