

Washington University School of Medicine

**Digital Commons@Becker**

---

Washington University Record

Washington University Publications

---

3-19-2009

**Washington University Record, March 19, 2009**

Follow this and additional works at: <https://digitalcommons.wustl.edu/record>

---

**Recommended Citation**

Washington University Record, March 19, 2009. Bernard Becker Medical Library Archives.  
<https://digitalcommons.wustl.edu/record/1172>.

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact [vanam@wustl.edu](mailto:vanam@wustl.edu).



# Record



Washington University in St. Louis

March 19, 2009

record.wustl.edu



**McDonnell Scholars on tour** James V. Wertsch, Ph.D. (far left), the Marshall S. Snow Professor in Arts & Sciences and director of the McDonnell International Scholars Academy and the International & Area Studies Program in Arts & Sciences, walks through the park in front of the White House with the McDonnell Scholars during an early-evening tour of Washington, D.C., March 9. The scholars were in the nation's capital to gain a better understanding of the American political system. While there, they met with Missouri Sens. Christopher "Kit" Bond and Claire McCaskill and Rep. Russ Carnahan. To view a slideshow, visit [record.wustl.edu/news/page/normal/13713.html](http://record.wustl.edu/news/page/normal/13713.html).

## Pathway in retina found for quickly adapting eyes to darkness

By JIM DRYDEN

It's almost time for the movie to start. As you hurry from the lobby into the darkened theater, you may have to stop as the transition from light into darkness renders you temporarily blind. Cells in the eye's retina must adapt before you can begin to distinguish heads from backs of chairs. As the cells adjust, sight will be restored enough to avoid tripping over a chair or sitting in a stranger's lap.

Scientists have long known that these cells, called photoreceptors, are involved in this adaptive process, but a study from investigators at the School of Medicine and Boston University School of Medicine has uncovered a new pathway in the retina that allows photoreceptor cells to adapt following changes in light exposure.

The discovery could help scientists better understand human diseases that affect the retina, including age-related macular degeneration, the leading cause of blindness in Americans over age 50. That's because the process of adapting to darkness involves the same cells

that are affected in macular degeneration and other blinding retinal diseases.

The findings are reported online in the journal *Nature Neuroscience*.

The retina's two main light-sensing cells are the rods and cones. Both use similar mechanisms to convert light into vision, but they function differently. Rods are highly sensitive and work well in dim light, but they can quickly saturate with light and stop responding. They don't sense color, which is why we rarely see colors in dim light.

Cones, on the other hand, allow us to see colors and can adapt quickly to stark changes in light intensity. The research team focused on cone cells, studying their ability to continue functioning in very bright light and to adapt quickly when that light is shut off.

"Rods can take up to an hour to adapt to darkness," said principal investigator Vladimir J. Kefalov, Ph.D., assistant professor of ophthalmology and visual sciences. "Cones, by contrast, adapt in three to five minutes."

See **Eyes**, Page 6

## Time changes biggest adjustment many Metro users will face

By JESSICA DAUES  
AND BETH MILLER

**B**eginning March 30, WUSTL faculty, staff and students using Metro to travel to and from WUSTL campuses will see some changes. Metro will reduce the frequency of MetroLink train stops and alter several bus routes serving the campuses.

Starting March 30, during the typical morning and evening commute hours, MetroLink trains will run every 15 minutes to stops serving WUSTL campuses: the Central West End, Skinker, Big Bend, Delmar Loop and Forsyth stations. Trains currently run every 10 minutes during peak hours.

During non-peak hours, trains will run every 20 minutes, rather than the current 15 minutes.

Metro Bus routes around campus will see slight changes — most notably, the Gold Line will no longer travel south of the Clayton Transit Center to Richmond Heights, Brentwood, Brentwood Promenade and Maplewood Commons.

The Red Line will see minor changes in route directions but still will travel to Brentwood Promenade and Maplewood

Commons.

The Green Line, which serves neighborhoods north of the Danforth Campus, will be unaffected.

"More than anything, changes will affect the timing many in the University community have become accustomed to," said Nicholas Stoff, director of Parking & Transportation Services.

The changes are being made to help address Metro's \$10 million budget shortfall this year. Proposition M — a half-cent sales tax increase in St. Louis County to help fund Metro operations and MetroLink expansion — failed to pass in this past November's election.

Metro representatives will be posted outside the Mallinckrodt Student Center on the Danforth Campus from 10:30 a.m.-1:30 p.m. Thursday, March 19, to distribute new Metro route maps and schedules and to answer questions about the changes.

On March 30, Metro will post representatives to answer questions at Metro and MetroLink stops throughout the area as well.

Among other reductions effective March 30, Metro is cutting all bus service outside the Interstate 270 loop.

See **Metro**, Page 6

## Callaloo Conference to feature prominent African-American writers

By LIAM OTTEN

**H**ave African-American intellectuals abandoned the Civil Rights Movement? Do black academics need to re-engage the larger community, and, if so, how? What is the relationship between contemporary politics and popular culture?

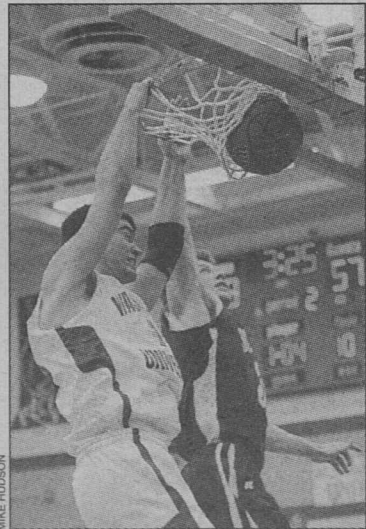
Some of the nation's most prominent African-American writers and thinkers will address these questions and more during the 2009 Callaloo Conference, which takes place March 25-28 at Washington University.

Organized by Callaloo, the nation's premiere African-American and African literary journal, the conference is hosted by the departments of English and African & African-American Studies, both in Arts & Sciences.

"This Callaloo conference focuses on a long-ignored national problem: the complex and burdensome positions and responsibilities black artists and intellectuals are expected to assume in society and in institutions of higher education," says editor Charles H. Rowell, who founded the journal in 1976.

See **Callaloo**, Page 7

## March madness: Men's, women's basketball advance to Final Four



**F**or the second time in three years, Washington University is sending both its men's and women's basketball teams to the NCAA Division III Final Four.

The No. 2-ranked and defending national champion men's team defeated No. 1-ranked and previously unbeaten University of St. Thomas, 79-64, March 14 in Wheaton, Ill., to advance to the Final Four for the third-straight season.

The Bears will take on No. 23 Guilford College (Greensboro, N.C.) in the national semifinal on Friday, March 20, at 5 p.m. (ET) at the Salem Civic Center in Salem, Va.

The No. 5 women's basketball team withstood a second-half surge by No. 1 and previously unbeaten Illinois Wesleyan University to pick up a 58-53 win March 14 in Bloomington, Ill., and secure its eighth

trip to the women's Final Four. They'll travel to the campus of Hope College in Holland, Mich., to take on No. 11 Amherst College (Amherst, Mass.) in the national semifinal at 4 p.m. (ET) Friday, March 20.

In 2007, the women advanced to the national championship game only to lose to DePauw University, 55-52.

"I think that we always knew that we had it in us to get back to the Final Four," junior Zoe Unruh said. "I think it was the second half of the (University Athletic Association) regular season that we started going out and playing really well together, and I started to think that we can definitely do this."

If the women defeat Amherst, they'll play the winner of the matchup between No. 3 George Fox

See **Basketball**, Page 2



Zach Kelly (left) dunks over a St. Thomas defender, putting an exclamation point on the Bears' run to the Final Four. Alex Hoover (right) lays it up for the women in their win over Illinois Wesleyan. Both teams have a shot at the national title this weekend.



# Efimov named Lopata Distinguished Professor of Biomedical Engineering

By BARBARA REA

Igor Efimov, Ph.D., the Lucy and Stanley Lopata Distinguished Professor of Biomedical Engineering in the School of Engineering & Applied Science, was installed in a ceremony Nov. 25 in Uncas A. Whitaker Hall.

This is the second professorship — both residing in the School of Engineering & Applied Science — given by Lucy and the late Stanley Lopata, significant benefactors of Washington University for many decades. In addition to these professorships, the Lopatas have generously supported a number of buildings and scholarships as well as the annual basketball tournament held each fall.

"Over the years, Lucy and Stanley Lopata's generosity and guidance have made an enduring imprint on Washington University, leaving their mark throughout the Danforth Campus," said Chancellor Mark S. Wrighton, speaking at the ceremony. "Thanks to their tremendous and enthusiastic support, we have been able to attract world-class faculty such as Igor Efimov."

Although Stanley Lopata died in 2000, his devotion to his alma

mater lives on through the good works of his wife, Lucy. Stanley graduated in 1935 with a degree in chemistry in Arts & Sciences. As a "sideline," he began manufacturing chemical products, which grew into the multimillion-dollar enterprise, Carboline Co. After selling Carboline in 1980 to Sun Oil Refining and Marketing Co., he established another successful business, Lopata Research and Development. He also was a long-time trustee of the University.

In 1980, the Lopatas established their first professorship in chemical engineering. The Danforth Campus has been enriched by many facilities the Lopatas have supported, most notably Lopata Hall, three Lopata Courtyards (in engineering, business and social work), Lopata Classroom in McDonnell Hall and Lopata House in the Village.

The couple also created several school scholarships and the beloved Lopata Classic, WUSTL's invitational basketball tournament, which came to be known as the "Brain Bowl." For this key contribution, they were inducted into the University's Sports Hall of Fame in 1992.

Numerous awards have been

presented to Stanley and Lucy Lopata over the years, including honorary degrees, in 1993 and 2001, respectively, as well as the Robert S. Brookings Award, presented by the Board of Trustees for exemplary work in bridging the University and the community.

In 2000, the Lopatas were given the Jane and Whitney Harris St. Louis Community Service Award for their contributions to the St. Louis region. In addition, Stanley Lopata received the William Greenleaf Eliot Society's "Search" award and the distinguished alumni award.

Efimov arrived at WUSTL from Case Western Reserve University in 2004. He began his



Igor Efimov, Ph.D. (center), receives from Chancellor Mark S. Wrighton a medal commemorating his installation as the Lucy and Stanley Lopata Distinguished Professor of Biomedical Engineering Nov. 25, 2008. Salvatore P. Sutera, Ph.D., interim dean of the School of Engineering & Applied Science and senior professor of biomedical engineering, looks on.

career at the Institute of Biological Physics in Puschino, Russia, and then came to the United States, where he held positions at the Cleveland Clinic Foundation and the University of Pittsburgh School of Medicine.

Efimov has devoted his research to advancing the understanding of cardiovascular disease, identifying the underlying causes of fatal disturbances of cardiac rhythm known as arrhythmias and developing lifesaving therapies through pharmaceutical discoveries and implantable devices such as the pacemaker.

According to American Heart Association statistics, cardiovascular disease is the leading cause of death in developed nations, and the World Health Organization estimates that the gap between cardiovascular cause of death and

all others will widen in the next century.

Through his investigations, Efimov and his research team have made inroads into the development of anti-arrhythmia therapies. These include low-energy painless defibrillation as well as working to engineer the pacemaker and the conduction system of the heart.

He is co-editor of a new book, "Cardiac Bioelectric Therapy: Mechanisms and Practical Implications," which gives a historical survey of the development of pacing and electrophysiology and presents theories for future therapies.

Efimov earned advanced degrees at the Moscow Institute of Physics and Technology; he earned a master's degree in 1986 and a doctorate in 1992.

## Relay For Life to raise money for cancer research

By NEIL SCHOENHERR

The annual WUSTL Relay For Life will be held at Bushyhead Track Saturday and Sunday, March 21 and 22.

The relay is a 12-hour family-friendly event that raises funds for the American Cancer Society. Last year, the event attracted more than 2,000 volunteers who helped to generate more than \$195,000 for cancer research, advocacy, patient services and education — making WUSTL's the third-ranked event in the nation for school's with 10,000-16,000 students.

"Relay For Life is a spectacular event that brings together the Washington University and St. Louis communities to celebrate cancer survivors and remember loved ones," said senior Emily Gordon, part of the public relations team for this year's event.

"Relay is jam-packed with fun activities, entertainment and touching moments that help us to remember the reason we gather together overnight," Gordon said. "I'm looking forward to participating in my seventh Relay For Life and helping the American

Cancer Society in its efforts to provide services for cancer patients, fund research for a cure and promote healthy living."

Teams of 8-15 people raise money beforehand, and through the course of the night have at least one team member walking, jogging or running around the track. In addition, teams decorate campsites, participate in games and activities, including "Relay Idol" and the "Kiddie Karnival," and enjoy entertainment from student performance groups and outside artists.

Throughout the night, individuals who have been touched by cancer — patients, survivors and caregivers — will be remembered and honored.

Relay For Life is one of the premier fund-raising events for the American Cancer Society.

Opening ceremonies begin at 6 p.m. March 21 at Francis Field.

For more information on the event, to volunteer or to donate money to the American Cancer Society, visit [relayforlife.org/washumo](http://relayforlife.org/washumo) or e-mail [relayrebs@gmail.com](mailto:relayrebs@gmail.com).

## Sports

### Six track athletes earn All-America honors

The men's and women's indoor track and field teams combined to have six student-athletes earn All-America honors at the 2009 NCAA Division III Indoor Championships March 13-14 in Terre Haute, Ind.

The men finished tied for 32nd

out of 73 teams with six points, and the women tied for 54th out of 68 with two points.

Sophomore Ben Harmon had the highest overall finish for either team, placing third in the pentathlon.

Senior Danielle Wadlington earned an individual All-America honor for the fourth time in her WUSTL career. Wadlington placed eighth in the 55-meter hurdles with a time of 8.32 but qualified for the finals with a school-record time of 8.27 in the preliminaries March 13.

The women's distance medley relay team also achieved All-America status, placing eighth with a time of 12:02.31. Sophomore Taryn Surtees, senior Erika Wade, junior Molly Schlamb and freshman Elizabeth Phillips comprised the relay squad.

### Softball wins sixth straight tourney title

The softball team captured its sixth straight University Athletic Association Championship with a 4-0 victory over No. 6-ranked Emory University March 14 in Altamonte Springs, Fla.

Sophomore pitcher Claire Voris improved her record to 6-2 with a complete-game, three-hit shutout against Emory. Voris completed the eight-game tournament with a 5-1 record and a 0.19 earned run average with 46 strikeouts in 36½ innings pitched.

Junior Megan Fieser hit .500

with a team-leading 13 hits and eight runs scored.

### Baseball goes 3-3 at UAA tournament

The baseball team overcame a difficult start to the University Athletic Association Championship last week in Sanford, Fla., to finish the five-day tournament with a 3-3 record.

The Bears lost their first three games but ended with a three-game winning streak, including a doubleheader sweep of Brandeis University and the University of Rochester March 13.

WUSTL went on to even its conference record with a 5-3 win over Case Western Reserve in the finale March 14.

### Tennis teams undefeated on trips

The No. 15 women's tennis team finished its spring break trip to the West Coast with a 3-0 record. WUSTL picked up victories over Occidental College, California Lutheran University and No. 12 Bowdoin College.

The No. 2 ranked men's tennis team also posted a perfect record during its trip. WUSTL picked up wins over No. 11 Bowdoin College, Pomona-Pitzer College and Azusa Pacific University.

Both teams host Emporia State Thursday, March 19, at the Tao Tennis Center with matches scheduled to begin at 4:30 p.m.

## United Nations ambassadors meet at WUSTL March 24

By JESSICA MARTIN

The School of Law will host a delegation of 10 senior diplomats from the United Nations for a public town hall meeting on "Food Security and Humanitarian Intervention" at 9 a.m. Tuesday, March 24, in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

The ambassadors will give brief presentations and then take questions from the audience.

The delegation is in St. Louis for three days as part of the Humpty Dumpty Institute (HDI) and World Affairs Council's "U.N. Across America" initiative, which shows ambassadors and other diplomats parts of the United States that they might not normally have an opportunity to visit.

HDI's mission is to forge innovative public-private partnerships to find creative solutions to difficult humanitarian problems. The World Affairs Council of St. Louis is a nonprofit organization that sponsors programs to increase

St. Louis community awareness and understanding of international people, cultures and businesses.

The delegation includes:

- Filipe Chidumo, ambassador from Mozambique;
- Le Luong Minh, ambassador from Vietnam;
- Zachary D. Muburi-Muita, ambassador from Kenya;
- Park Inkook, ambassador from the Republic of Korea;
- Rayko Strahilov Raytchev, ambassador from Bulgaria;
- Simona Mirela Miculescu, ambassador from Romania;
- Ruhakana Rugunda, ambassador from Uganda;
- Lesli Gatan, ambassador from Philippines;
- Irakli Chikvani, minister from Georgia; and
- Kenneth Liao, director general of the Taipei Economic and Cultural Office in New York.

For more information, contact Michael A. Peil, J.D., associate dean for international programs, at [mpeil@wustl.edu](mailto:mpeil@wustl.edu).

## Basketball

— from Page 1

University (Newberg, Ore.) and The College of New Jersey (Ewing, N.J.) at 1 p.m. (ET) Saturday, March 21, in Holland.

The men, winners of 18 of their past 19 games, are hoping to build on momentum to propel them to back-to-back national titles. They've already recorded a school-record 27 victories this season.

If the men defeat Guilford, they'll play the winner of the matchup between Franklin & Marshall College (Lancaster, Pa.) and Richard Stockton College (Pomona, N.J.) at 3:05 p.m. (ET) Saturday, March 21, in Salem.

"Salem is a great place to celebrate Division III college basketball, and I can't wait to go back," senior Sean Wallis said.

Both national title games will be televised on the CBS College Sports network. Live audio for both games will be available via the Internet on [d3hoops.com](http://d3hoops.com).

## International festival March 22

By JESSICA MARTIN

From traditional foods to lively entertainment, students from various countries at the George Warren Brown School of Social Work will offer a taste of their homelands at the 15th annual International Festival beginning at 5 p.m. Sunday, March 22, in Lab Science Building, Room 300.

The event, which is open to the public, begins with an international banquet and art exhibition.

This year's theme is "The Cultural Express."

"The International Festival brings our social work community

together by celebrating all different cultures and traditions," said second-year social work student Krista Rux, co-chair of the 2009 International Festival committee.

The entertainment, which includes dance, song and poetry from numerous countries, starts at 7:30 p.m.

Admission for the entire event is \$2.

For more information and to purchase a ticket, e-mail one of the co-chairs at: [krux@gwbmail.wustl.edu](mailto:krux@gwbmail.wustl.edu); [aoshea@gwbmail.wustl.edu](mailto:aoshea@gwbmail.wustl.edu); [jwaid@gwbmail.wustl.edu](mailto:jwaid@gwbmail.wustl.edu); or [hli@gwbmail.wustl.edu](mailto:hli@gwbmail.wustl.edu).



## School of Medicine Update

# Artificial disc replacement as good as or better than spinal fusion

By JIM DRYDEN

Spine surgeons at the School of Medicine and other U.S. centers report that artificial disc replacement works as well as and often better than spinal fusion surgery.

The two procedures are performed on patients with damaged discs in the neck.

Researchers found patients who received an artificial disc lost less motion in the neck and recovered faster than those who had a disc removed and the bones of the spine fused. They reported their findings in the January issue of the journal *Spine*.

"Those who received the artificial disc either did equally as well as or a little bit better than those who had fusion surgery," said K. Daniel Riew, M.D., the Mildred B. Simon Distinguished Professor of Orthopaedic Surgery and professor of neurological surgery. "One of the most important findings was that people who got the artificial disc were able to preserve all of their motion."

A disc in the spine is similar to a jelly donut, with a squishy center surrounded by a tough outer portion. It functions like a shock absorber between the vertebrae. When a disc ruptures, or becomes herniated, the squishy disc tissue

can spread into the spinal canal and press against nerves, causing numbness, weakness or pain.

For years, the surgery to treat cervical disc disease relieved pressure by removing the offending disc and then fusing the bones of the spine together. Surgery to implant an artificial disc also removes the damaged disc, but instead of using



Riew

metal rods, screws and bone grafts to fuse bones together, the surgeon replaces the disc with an implant.

Patients in the study were randomly assigned to receive either the BRYAN Cervical Disc or standard fusion surgery. Ultimately, 242 received the artificial disc, and 221 had spinal fusion. Improvement following surgery was measured with a tool called the neck disability index (NDI). Two years post surgery, patients in both groups had improved NDI scores. Both had less neck and arm pain and were less likely to experience numbness. Overall, the surgery was rated as successful in 83 percent of the patients who received artificial

**"One of the most important findings was that people who got the artificial disc were able to preserve all of their motion."**

K. DANIEL RIEW

discs and 73 percent of those who had fusion surgery (230 versus 194). Part of that difference, Riew said, can be explained by better motion in the neck for those who had artificial discs implanted.

He said the neck is always slightly restricted following spinal fusion surgery. Since bones in the neck have been fused together, it is impossible to regain full range of motion, but the defect is subtle.

"Fusion adds a small amount of stress in the spine above and below the fusion site, so bone can break down a little faster than normal," Riew said. "If the patient

is a young person, then they may need another operation in 20 or 30 years. The hope with artificial cervical disc replacement is the preserved motion may protect against additional stress at other levels of the spine."

In the short term, Riew said most patients receiving artificial disc replacement surgery recovered faster and got back to normal life sooner than fusion surgery patients.

"They didn't need to wear a neck brace after surgery," he said. "If they had a job, they returned to work faster. And many had a

resolution of their pain faster than fusion patients. With a spinal fusion, there are some pain and activity restrictions until the bone is fully incorporated, but with an artificial disc, as soon as the disc is in, it's good to go."

Riew, chief of the cervical spine service for Washington University Orthopedics, said people from outdoorsmen to couch potatoes have seemed to do well following implantation of artificial discs. Last summer, he implanted an artificial disc into a professional baseball player's cervical spine. That player plans to return to the diamond and continue his career this season.

But at the moment, the discs are not an option for some patients. Those with arthritis or disc disease at multiple levels in the spine are not good candidates. A barrier for those who are good candidates is that many insurance companies don't yet cover them.

## Mild traumatic brain injuries are focus of research project

By MICHAEL C. PURDY

The Centers for Disease Control reports that every year about 280,000 Americans are hospitalized because of traumatic brain injuries, ranging from soldiers injured in Iraq and Afghanistan to football players to auto accident victims.

For a person with mild traumatic brain injury (MTBI), also known as concussion, the disabling long-term effects can include pain, sleep disruption, memory problems, attention deficits and mood swings. A lingering question about these effects has complicated efforts to develop treatments: given that conventional brain scanning techniques typically fail to reveal any permanent structural brain damage in MTBI patients, how do the injuries cause lasting harm?

"Our ability to develop new treatments has been hampered by the lack of a theory backed by solid evidence that explains where these complications come from," said Maurizio Corbetta, M.D., the Norman J. Stupp Professor of Neurology.

Corbetta is a co-principal investigator on a new multi-institutional research project working to answer these questions, the Attention Dynamics Consortium in Traumatic Brain Injury. The project is funded by a two-year, \$3.2 million grant from the James S. McDonnell Foundation. Cornell University, the Universities of California, San Diego and San Francisco, and the Salk Institute of San Diego will also participate.

"This effort to better diagnose and treat the cognitive deficits resulting from MTBI exemplifies our efforts to benefit society through research and scholarship," said Susan Fitzpatrick, Ph.D., vice president of the McDonnell Foundation.

The collaborators will use multiple methods for scanning

the brain to detect subtle anatomical changes and seek potential connections between those changes and functional and behavioral abnormalities. Standard anatomical brain imaging scans will be integrated with three experimental scanning techniques to study patients with MTBI.

The first experimental technique, magnetic resonance diffusion tensor imaging (DTI), produces detailed measurements of water diffusion through tissue. Researchers can use this detail to look for structural damage too fine to be detected with other scans. The second, functional connectivity MRI, detects functional abnormalities caused by subtle anatomical damage. The third, magnetoencephalography, very rapidly measures changes in brain activity by detecting small changes in the magnetic fields produced by the brain.

Principal investigator Jam Ghajar, M.D., Ph.D., a neurosurgeon at Cornell University, has already used DTI to uncover evidence that MTBI may damage white matter, a tissue in the brain that connects different brain regions.

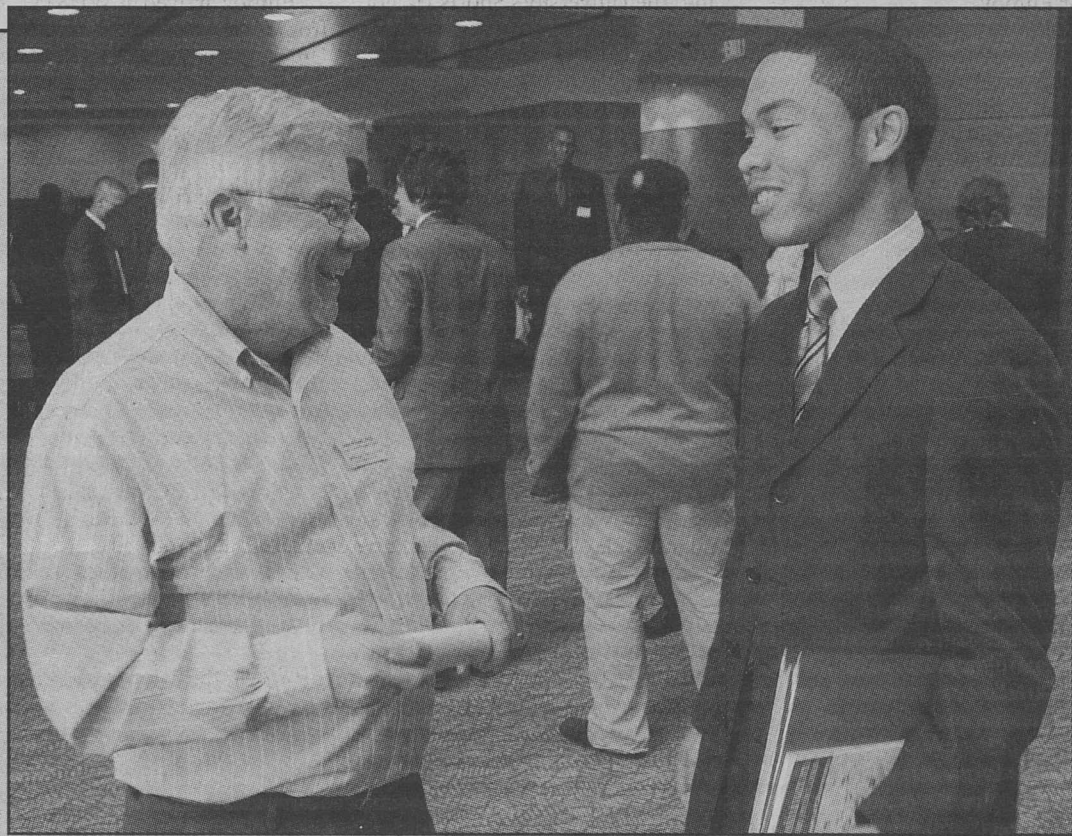
"If you view the brain's gray matter as its computer chips, then white matter is the networking cables connecting the chips," said Corbetta, also professor of radiology and of neurobiology. "We think the computer chips are normal, but because of damage to the white matter, they're not talking to each other in a proper way."

Based on data they gather, researchers will try to create computer models of the disruptions in communications between brain networks.

"This will help both in terms of seeking a way to definitively test who has MTBI and also in terms of our ability to seek better treatments," said co-principal investigator Gordon Shulman, Ph.D., research professor of neurology.



Corbetta



**Visiting scientists** John Russell, Ph.D., associate dean for graduate education for the Division of Biology and Biomedical Sciences (DBBS) and professor of developmental biology, talks with Justin Perry, a student from Morehouse College, the nation's largest liberal arts college for men. A group of about 50 Morehouse students in the Hopps Scholars Program and six faculty and staff came to Washington University March 9 to learn about graduate programs in science, technology, engineering and mathematics. The visit was part of a developing partnership between Morehouse and Washington University and was coordinated by the DBBS Diversity Programs and Community Outreach Office. It was sponsored by the Medical Scientist Training Program, DBBS, the Office of the Special Assistant to the Chancellor for Diversity Initiatives and the Office of Diversity Programs at the School of Medicine.

## Flance receives Claypoole Award from American College of Physicians

By DIANE DUKE WILLIAMS

Jerome Flance, M.D., emeritus professor of clinical medicine, has received the Ralph O. Claypoole Sr. Memorial Award from the American College of Physicians.

The award recognizes an outstanding practitioner of internal medicine who has devoted his or her career to the care of patients. The recipient is a clinician highly respected by colleagues for clinical skills and someone who has been a role model as a member of a clinical faculty of a department of medicine.

Flance, a renowned physician, educator and pulmonary disease specialist, is one of only two St. Louis physicians to receive the Claypoole award. The other St. Louis recipient was the late Michael M. Karl, M.D., Flance's partner for many years at the Maryland Medical Group. Karl received the Claypoole award in 1990.

Flance served on the School of Medicine's clinical faculty for 53 years. He also has had an interest in working with the underserved.

After joining the clinical faculty in 1944, Flance became director of the University's Pulmonary Service at the St. Louis Hospital and an attending physician at both Jewish and Barnes hospitals. In 1953, he initiated a hospital-based home health-care

program at Jewish Hospital, serving as its director for 11 years. During that time, he started the first formal home-care program for tuberculosis in the United States.

Flance practiced at the Maryland Medical Group for 43 years. He also was medical director of the St. Louis Lung Association, president of the medical staff of Jewish Hospital and a member of the St. Louis Lung Physicians to Combat Air Pollution.

Upon retiring from medical practice in 1998 at age 87, Flance became the special associate for community redevelopment at the medical school, representing the Washington University Medical Center Redevelopment Corp. in its efforts to revitalize the Forest Park Southeast community. He continued in that capacity until 2006. He now works to bring better education and health services to underserved children and adults in north St. Louis.

Flance, a member of the School of Medicine's National Council, earned a bachelor's degree in 1931 and a medical degree in 1935, both from WUSTL.

In honor of his many accomplishments, the School of Medicine gave Flance an honorary doctor of humanities degree in 2002 and The Second Century Award in 1994. The School of Medicine also established the Rosemary and I. Jerome Flance Professorship of Pulmonary Medicine in 1995.



Flance



## University Events

## PAD premieres Hotchner-winning play 'Candlestick Park'

By CYNTHIA GEORGES

Two years ago, Washington University alumna Elizabeth Birkenmeier (LA '08), then a junior, relished her role as a rash, young Queen Elizabeth in the historical drama "Highness," winner of WUSTL's 2006 A.E. Hotchner Playwriting Competition, held annually in the Performing Arts Department (PAD) in Arts & Sciences.

Birkenmeier has returned to campus, but this time as a playwright who will witness the world premiere of her own winning production, "Candlestick Park" March 26-29.

Birkenmeier's play won the 2008 Hotchner Playwriting Competition, named in honor of alumnus A.E. Hotchner, renowned novelist, playwright and biographer.

Set in present-day Chicago, the play centers on the relationships among three characters. Sam, 24, played by senior Jonathan Baude, is the serious and likable protagonist grappling with the recent knowledge of his girlfriend's infidelity.

Prudence, 23, played by senior Adina Talve-Goodman, is Sam's outspoken, witty downstairs neighbor who loves Beatles' songs. Prudence is blind, the result of retinitis pigmentosa, an inherited eye disease that took her sight when she was 16. Prudence is obsessed with learning as much as she can about Sam's life.

Danny, played by Birkenmeier's



The cast of Elizabeth Birkenmeier's "Candlestick Park" includes (from left) seniors Jonathan Baude as Sam and Adina Talve-Goodman as Prudence; and freshman Robert Birkenmeier as Danny.

brother, Robert, a freshman, rounds out the cast as a foul-mouthed, lonely gas station attendant who is Sam's good friend.

Performances take place in the A.E. Hotchner Studio Theatre at 8 p.m. Thursday, Friday and Saturday, March 26, 27 and 28; and at 2 p.m. Saturday and Sunday, March 28 and 29.

"Candlestick Park" is "a simple play that focuses on the subtle changes in people as they intersect," Birkenmeier said. "Even in our toughest or most vulnerable moments, we can't really shake the voices of other people from our brains. We've all been profoundly impacted by people we know, even if we've only known them briefly."

The play takes its name from

Candlestick Park, home field of the San Francisco 49ers NFL team and venue where the Beatles performed their last live, full concert Aug. 29, 1966. The music in the production serves as a kind of underlying soundtrack that moves in and out of the play's action in a meaningful way.

"The first production of a play is part of the writing process," says Andrea Urice, senior lecturer in drama and the director of "Candlestick Park." "A playwright needs to move the writing out of her head and into the mouths of actors and the hands of a director and designers. It's an exciting, evolving process."

Urice credits Birkenmeier with writing a strong script portraying

"an active, sensory world rich with aural, visual and tactile imagery. The dialogue is crisp and clever, and the characters are distinctly drawn," Urice said.

The Hotchner competition is known for drawing exceptional writing from aspiring playwrights, due, in large part, to the influence of Carter W. Lewis, playwright-in-residence in the PAD, said Urice.

"Carter has developed a vibrant script development program. Between his classes, the Hotchner workshop, the Hotchner competition and several annual student-led new play festivals, Washington University has an exceptionally strong playwriting program."

In fact, the inspiration for "Candlestick Park" grew out of an exercise in Lewis' playwriting class. The image Birkenmeier described on a notecard — "cigarette burns a hole through a leaf" — became a scene that she developed to arrive at her play.

What is it like for a budding playwright to see her work in full rehearsal?

"Awesome and informative," Birkenmeier said. "It takes the imagination of so many people to create the full work of art. I am thrilled to get to reimagine the text with Carter Lewis and Andrea Urice, two people whom I truly admire."

Junior Nora Palitz designed the set. Costume design is by Sallie Durbin, PAD costume shop manager, and lighting design is

by senior Will Calvert. Sound design is by senior Laura Castanon. Stage manager is Stephen McDaniel.

The Hotchner Competition selects student scripts for development each year, resulting in the Hotchner Playwriting Workshop. During the workshop, all scripts receive two weeks of attention from a dramaturgical guest artist and culminate in a staged reading with student actors and a faculty director. Every other year, one work receives a full theatrical production.

Urice, who specializes in new play work, has served on the Hotchner selection committee nearly every year of the competition since she came to WUSTL in 1997. She has worked with The Guthrie Theater in Minneapolis, Actors Theatre of Louisville, Ky., The St. Louis Repertory Theatre and theaters in Washington, D.C., and Chicago, among others.

Hotchner, a 1940 WUSTL graduate, is the author of numerous screenplays, novels, plays and memoirs, including the 1966 volume "Papa Hemingway," which recounts his long friendship with the famous writer. His memoir, "King of the Hill," which depicts growing up in St. Louis, was made into a feature film in 1993.

Tickets — \$10 for students, faculty, staff and seniors and \$15 to the public — are available through the Edison Theatre Box Office and all MetroTix outlets.

For more information, call 935-6543.

## Brugada Syndrome • Imperial China • Reforming Family Court

"University Events" lists a portion of the activities taking place March 19-April 1 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (news-info.wustl.edu/calendars) and the School of Medicine (medschool.wustl.edu/calendars.html).

## Exhibits

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

"Paris — From the Commune of 1871 to the Exposition of 1900: Images From the Russell Sturgis Photograph Collection." Through March 30. Olin Library, Lvl. 1, Ginkgo Rm. 935-9730.

"Windows." Through March 27. Farrell Learning & Teaching Center. 362-8541.

## Film

## Wednesday, March 25

6:30 p.m. Japanese Film Series. "Mishima." Paul Schrader, dir. Seigle Hall, Rm. 103. 935-5110.

## Thursday, March 26

7 p.m. African Film Festival. "Meteni: The Lost One." Wondessen Deresse, dir. and "Waiting For Men." Katy N'diaye, dir. Brown Hall, Rm. 100. 935-7879.

## Friday, March 27

7 p.m. African Film Festival. "This Is My Africa." Zina Saro-Wiwa, dir. and "Shoot the Messenger." Ngozi Onwurah, dir. Brown Hall, Rm. 100. 935-7879.

## Saturday, March 28

7 p.m. African Film Festival. "Le Clandestin." Jose Laplaine, dir. and "Paris Selon Moussa." Cheik Doukoure, dir. Brown Hall, Rm. 100. 935-7879.

## Sunday, March 29

7 p.m. African Film Festival. "Come Back to Sudan." Daniel Junge and Patti Bonnet, dirs. and "Heartlines." Angus Gibson, dir. Brown Hall, Rm. 100. 935-7879.

## Monday, March 30

7 p.m. Asian and Near Eastern Languages

and Literatures Film Series. Middle East-North Africa Film Series. "Rai Story." Madeleine Verschaffelt and Ahmed Rachedi, dirs. (Discussion to follow.) Seigle Hall, Rm. L006. 935-5110.

## Lectures

## Thursday, March 19

Noon. Genetics Seminar. "Molecular Basis of Expanded CAG Repeat Neurodegeneration: Transcription Interrupted?" Albert La Spada, assoc. prof. of medicine and neurology, U. of Wash. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Interdisciplinary Project in the Humanities Lecture. "Responsibility, Political Agency and Human Limits: Evoking the Greek Poetics of Catastrophe." Ryan Balot, assoc. prof. of political science, U. of Toronto. Co-sponsored by the Assembly Series and Center for the Humanities. Umrath Hall Lounge. 935-4200.

4 p.m. Vision Science Seminar Series. "Genetic and Epigenetic Regulatory Mechanisms in Lens Development." Ales Cvekl, Albert Einstein College of Medicine, Maternity Bldg., Rm. 725. 362-3315.

5:30 p.m. Assembly Series. "Biomimicry: Building from Nature's Blueprints." Janine Benyus, pres., Biomimicry Inst. Graham Chapel. 935-4620.

7 p.m. Jewish, Islamic & Near Eastern Studies Lecture. Adam Cherick Lecture in Jewish Studies. "Why Did Baby Messiah Disappear? The Birth of Christianity From the Spirit of Judaism." Peter Schäfer, prof. of Jewish studies, Princeton U. (Kosher reception follows.) Co-sponsored by the Dept. of Classics and the Program in Religious Studies. Wilson Hall, Rm. 214. 935-8567.

## Friday, March 20

8:45 a.m. School of Law Center for Interdisciplinary Studies Conference. "Federal Budget and Tax Policy for a Sound Fiscal Future." (Continues 8:30 a.m. March 21.) Danforth University Center, Orchid Room. 935-7988.

9:15 a.m. Pediatric Grand Rounds. "Epidemic Cerebrospinal Fever." Michele Estabrook, prof. of pediatrics. School of Medicine. Clopton Aud. 454-6006.

11 a.m. Energy, Environmental and Chemical Engineering Seminar. "Manipulation of Reducing Equivalents Through Metabolic Engineering." Ka-Yiu San, prof. of bioengineering, Rice U. Lopata Hall, Rm. 101. 935-5548.

## 11:30 a.m. Architecture Workshop.

"Biomimicry Across Disciplines." Janine Benyus and Denise DeLuca, Biomimicry Inst. (1 p.m. lunch.) Givens Hall, Rm. 113-115. To register: 935-4436.

## Noon. Cell Biology and Physiology Seminar.

"Extrinsic and Transcriptional Control of Hematopoiesis." Deepa Bhattacharya, asst. prof. of pathology and immunology. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

12:30 p.m. Biostatistics Seminar Series. C. Charles Gu, asst. prof. of biostatistics. 362-1565.

4 p.m. Dept. of Music Lecture Series. "In the Pantry ... in the Library ... Upstairs in the Bedrooms: Britain's Hidden Chamber Music." Christina Bashford. Music Classroom Bldg., Rm. 102. 935-5566.

4 p.m. East Asian Studies Lecture. Annual Stanley Spector Memorial Lecture on East Asian History and Civilization. "No Antiques Roadshow! Exploring the Material Culture of Late Imperial China." Susan Naquin, prof. of history and East Asian studies, Princeton U. (Reception follows.) Women's Building Formal Lounge. 935-4448.

7:30 p.m. Saint Louis Astronomical Society Meeting. "The Little Satellite That Could — Amazing Enceladus!" William McKinnon, prof. of earth & planetary sciences. McDonnell Hall, Rm. 162. 935-4614.

## Saturday, March 21

10 a.m. Physics Saturday Science Seminar Series. "The Scientific Background." Michael Friedlander, prof. of physics. Crow Hall, Rm. 201. 935-6276.

## Monday, March 23

4 p.m. Biology Lecture. Annual Viktor Hamburger Lecture. "The Architecture of Biological Complexity." Sydney Brenner, Nobel Prize Winner. (Reception follows.) Lab Sciences Bldg., Rm. 300. 935-6871.

4 p.m. Immunology Research Seminar Series. "Thymic and Peripheral Regulatory T Cell Development." Chyi-Song Hsieh, asst. prof. of medicine. Moore Aud., 660 S. Euclid Ave. 362-2763.

4 p.m. Siteman Cancer Center Breast Cancer Research Group Seminar Series. "The Effects of Light at Night on Breast Cancer Risk." Eva S. Schernhammer, asst. prof. of epidemiology. Center for Advanced Medicine, Farrell Conf. Rm. 2. 454-8981.

5 p.m. Center for the Study of Ethics & Human Values. Ethics Night on Campus. "What do We Owe Our Veterans?" (Food provided.) Women's Bldg. Formal Lounge. For information: humanvalues.wustl.edu.

5:30 p.m. Cardiac Bioelectricity and



Acclaimed dancer and choreographer Claire Porter presents "Namely, Muscles" at 7:30 p.m. Thursday, March 19, in the Annelise Mertz Dance Studio.

Arrhythmia Center Seminar. "Understanding Brugada Syndrome from Animal Models." Douglas P. Zipes, prof. emeritus of pediatrics, Ind. U. School of Medicine. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

6:30 p.m. Sam Fox School Spring Lecture Series. James Polshek, senior design counsel, Polshek Partnership Architects, New York. (Reception 6 p.m.) Steinberg Aud. 935-9300.

## Tuesday, March 24

8:15 a.m.-5 p.m. Human Research Protection Office Workshop. "Necessary Elements in Fundamentals of Human Subject Research." (Also 8:15 a.m.-5 p.m. March 31 & April 7.) Cost: \$150. Danforth University Center, Rm. 234. To register: 747-5568.

9 a.m. School of Law Town Hall Meeting. "Food Security and Humanitarian Intervention." Anheuser-Busch Hall, Bryan Cave Moot Courtroom. 935-8031.

9 a.m.-5 p.m. Social Science of International Development Workshop. Douglass C. North, Spencer T. Olin professor in Arts & Sciences, and John Joseph Wallis, prof. of economics, U. of Maryland. Women's Building Formal Lounge. 935-5068.

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series. "Interactions of Salmonella and Listeria with the Autophagy System of Host Cells." John Brummell, assoc. prof. of cell biology, U. of Toronto. Cori Aud., 4565 McKinley Ave. 747-3627.

4 p.m. Dept. of Music Lecture Series. Jocelyne Guilbault, prof. of music, U. of Calif., Berkeley. Co-sponsored by the Dept. of Anthropology. McMillan Hall, Rm. 149. 935-5566.

8 p.m. Romance Languages and Literatures Public Lecture. "Genealogies of Power and the New Vernacular Canon: From the Rose and Dante to Christine de Pizan." Kevin Brownlee, prof. of romance languages, U. of Pa. Women's Building Formal Lounge. 935-5175.

## Wednesday, March 25

Noon. Siteman Cancer Center Prevention & Control Program Seminar. "Beyond Individuals: Investigating Community-Level Determinants of Health Behaviors." Ana V. Diez-Roux, prof. of epidemiology, U. of Mich. School of Public Health. Center for Advanced Medicine, Farrell Conference Rm. 2. 454-8981.

4 p.m. Assembly Series. "How the Gateway Arch Got Its Shape." Robert Osserman. Steinberg Aud. 935-5285.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "The ABCs of DNA Replication Initiation and Repair." David Jeruzsami, assoc. prof. of molecular & cellular biology, Harvard U. McDonnell Medical Sciences Bldg., Rm. 264. 362-0287.

4 p.m. McDonnell Center for Systems Neuroscience Annual Cognitive, Computational Systems Neuroscience Lecture. "Brain Mechanisms of Visual Motion Perception." J. Anthony Movshon, prof. of neural science and psychology, New York U. Cori Aud., 4565 McKinley Ave. 747-0673.

## Thursday, March 26

Noon. School of Law "Access to Justice" Public Interest Law Speaker Series. "The Public Interest in Intellectual Property Law." Pam Samuelson, prof. of law, U. of Calif., Berkeley. Co-sponsored by the Center for Research on Innovation and Entrepreneurship. Anheuser-Busch Hall, Bryan Cave Moot Courtroom. 935-7567.

## Friday, March 27

7:30 a.m.-5 p.m. Cerebral Palsy CME Course. Annual Cerebral Palsy Conference. "Building the Road to Independence." (Continues 7:30 a.m.-4:35 p.m. March 28.) Cost: \$325 for physicians,



# African Film Festival March 26-29

BY NEIL SCHOENHERR

The annual Washington University African Film Festival will be held March 26-29. The event will feature films that emphasize movement and migration and their impact on African's shifting identities.

"The African Film Festival is a unique event on this campus that I look forward to every year," said junior Chiamaka Onwuzurike, president of the African Students Association. "It brings together not only students but members of the St. Louis community to hear different voices from the continent of Africa. Some of the films will make you laugh, some will make you cry, but you're sure to enjoy them all."

All screenings are free and open to the public and begin at 7 p.m. each evening in Brown Hall, Room 100. A postshow discussion and reception will follow Saturday's films.

The festival opens March 26 with "Meteni: The Lost One," a film about nomads moving their herds through northeastern Ethiopia and the disastrous consequences when Meteni, a young Afar woman with two young children, becomes pregnant.

Wilmetta Toliver-Diallo, Ph.D., assistant dean, senior lecturer in African & African American studies in Arts & Sciences and the event's organizer, applauds the female filmmakers whose works will be screened at the festival.

Also on March 26, the documentary, "Waiting for Men," by Katy N'diaye, who reveals the unexpected about women's lives in Mauritania, will be shown. "It's a fascinating film because the women in it defy all stereotypes people have about 'African' women," Toliver-Diallo said.

Toliver-Diallo said one of the most captivating films in the series is "Shoot the Messenger," with both

a female screenwriter and director. The film, being shown March 27, won the Dennis Potter Screenwriting Award and two British Academy of Film and Television Arts awards.

The film is a journey of self-discovery for the protagonist, who is struggling to understand what it means to be black in 21st-century Britain. In the United Kingdom, blacks come from the Caribbean as well as Africa, so forging a community is not without its challenges.

Many of the films being shown are award winners and all are suitable for all ages.

The films have been provided by the African Film Festival, a New York-based nonprofit organization dedicated to promoting African arts, literature and culture.

The Traveling Film Series, now in its 13th year, highlights an often-neglected part of international film culture — and one frequently overlooked by major film distributors. Each year, the series travels to about a dozen cities, reaching thousands of viewers who would otherwise have little or no opportunity to view African cinema.

The traveling series is made possible by the National Endowment for the Arts; the Andy Warhol Foundation for the Visual Arts; and the New York State Council on the Arts.

Campus sponsors include African & African American Studies and Film & Media Studies programs, both in Arts & Sciences; the African Students Association; and the African Students of the George Warren Brown School of Social Work. Additional support is provided by a grant from the Women's Society.

For more information and a list of films and their descriptions, contact Toliver-Diallo at 935-7879 or visit [wupa.wustl.edu/africanfilm](http://wupa.wustl.edu/africanfilm).

\$255 for allied health professionals, \$100 for non-medical attendees. Eric P. Newman Education Center. To register: 362-6891.

**9 a.m. School of Law "Access to Justice" Public Interest Law Speaker Series.** "Reforming Family Court: Getting It Right Between Rhetoric and Reality." Jane Spinak, clinical prof. of law, Columbia U. Anheuser-Busch Hall, Bryan Cave Moot Courtroom. 935-7567.

**9:15 a.m. Pediatric Grand Rounds.** Robert Heuckeroth, assoc. prof. of pediatrics. School of Medicine. Clopton Aud. 454-6006.

**11 a.m. Energy, Environmental and Chemical Engineering Seminar.** "Do Surgical Masks Provide Respiratory Protection?" Lisa Brosseau, assoc. prof. of environmental health sciences, U. of Minn. Lopata Hall, Rm. 101. 935-5548.

**Noon. Cell Biology and Physiology Seminar.** "Maintenance of Genome Stability: Identifying New Targets for Cancer Therapy." Jean Gautier, prof. of genetics and development, Columbia U. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

**4 p.m. Vision Science Seminar Series.** "Tuning Retinal Function with Inhibition and Transporter Activity." Peter Lukasiewicz, prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-3315.

## Saturday, March 28

**7:30 a.m.-noon. Infectious Diseases CME Course.** "Highlights From the 16th Conference on Retroviruses and Opportunistic Infections." Cost: \$65 for AMA CME, \$50 for Nursing CE. Co-sponsored by AIDS Clinical Trials Unity. Eric P. Newman Education Center. To register: 454-8275.

**10 a.m. Physics Saturday Science Seminar Series.** "Galileo's Astronomical Discoveries." Patrick Gibbons, prof. of physics. Crow Hall, Rm. 201. 935-6276.

## Monday, March 30

**Noon. Work, Families and Public Policy Brown Bag Seminar Series.** "They Ain't Whites, They're Mormons: An Illustrated History of Polygamy as Race Treason." Martha Ertman, prof. of law, U. of Md. School of Law. Seigle Hall, Rm. 348. 935-4918.

**1 p.m.-5 p.m. Cell Biology and Physiology Symposium.** "Symposium Celebrating the Darwin Bicentennial." Co-sponsored by The Genome Center. Moore Aud., 660 S. Euclid Ave. 362-6950.

**4 p.m. Assembly Series.** Phi Beta Kappa Lecture and Ceremony. Henry "Roddy" Roediger, prof. in arts & sciences. Graham Chapel. 935-5285.

**4 p.m. Immunology Research Seminar Series.** "Dynamics of B Cell Antigen Capture and Hymphocyte Egress." Jason Cyster, prof. of microbiology & immunology, U. of Calif., San Francisco. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

**6:30 p.m. Sam Fox School Spring Lecture Series.** Brad Cloepfil, founder/principal, Allied Works Architecture, Portland, Ore.

(Reception 6 p.m.) Steinberg Aud. 935-9300.

**7 p.m. SLSO Community Partnership Lecture.** "Unofficial Leningrad, 1961." E. Desmond Lee Concert Hall, 560 Trinity Ave. 935-5566.

## Tuesday, March 31

**Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series.** "Emerging Bat Zoonotic Viruses: From Hendra to Melaka." LinFa Wang, senior principal research scientist, Australian Animal Health Lab. Cori Aud., 4565 McKinley Ave. 286-1124.

## Wednesday, April 1

**4 p.m. Biochemistry & Molecular Biophysics Seminar.** "Photon Trajectories of Single Protein Molecules Folding and Unfolding." William A. Eaton, investigator, National Inst. of Health. McDonnell Medical Sciences Bldg., Rm. 264. 362-4152.

**4 p.m. Institute for Public Health Faculty Seminar Series.** "Conceptual, Methodological and Training Challenges in Implementation Science (Translation to Research)." Enola Proctor, prof. of social work research. Steinberg Aud. 454-7998.

## Music

### Thursday, March 19

**8 p.m. Jazz at Holmes.** Kim Portnoy, piano, and William Lenihan, guitar. Ridgley Hall, Holmes Lounge. 862-0874.

### Friday, March 20

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

### Sunday, March 22

**4 p.m. Concert.** "Virginal, Viols, and Voice." Featuring Charles Metz. Ballroom Theater, 560 Trinity Ave. 935-5566.

### Monday, March 23

**8 p.m. Student Recital.** Recital Hall, 560 Trinity Ave. 935-5566.

### Thursday, March 26

**8 p.m. Jazz at Holmes.** Chris Burchett, guitar, and his quartet. Ridgley Hall, Holmes Lounge. 862-0874.

### Friday, March 27

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

**8 p.m. Guest Voice Recital.** Marissa Hudson, soprano. Danforth University Center, Formal Lounge. 935-5566.

### Sunday, March 29

**7 p.m. Senior Voice Recital.** Kevin Nicoletti and Antonio Rodriguez. Graham Chapel. 935-5566.

## On Stage

### Thursday, March 19

**7:30 p.m. Claire Porter.** "Namely, Muscles."

## American Indian Awareness Week culminates with Pow Wow

BY JESSICA MARTIN

An American Indian Pow Wow, a traditional food tasting and a panel discussion on the health of American Indians are among the highlights of American Indian Awareness Week March 23-28. All events are free and open to the public.

The annual awareness week and Pow Wow, hosted by the Kathryn M. Buder Center for American Indian Studies at the George Warren Brown School of Social Work, allow American

Indian students to share their unique cultures with the campus and the St. Louis community.

The theme of this year's events is "Celebrating Community Health and Wellness."

"Based on our academic experiences and the addition of the Brown School's new Master in Public Health program and the University's new Institute of Public Health, 'Celebrating Community Health and Wellness' is a good fit," said graduate student Matthew Kull, Pow Wow co-chair.

"As Native nations continue to strive toward improved standards of living for their tribal members, we hope our Pow Wow will be an additional resource for educational materials and resources to improve health in Indian country," Kull said.

The celebration kicks off Monday, March 23, with an information booth and Buder Scholar panel discussion on "Raising Consciousness: Faculty and Peer Awareness of Native Health" at 11 a.m. in Goldfarb Hall, Room 132.

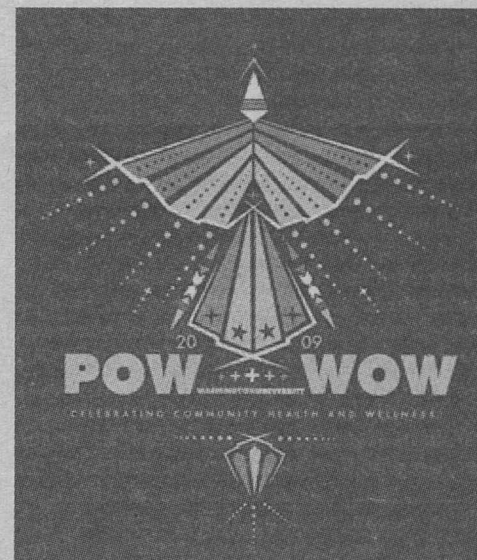
Movie night on Tuesday, March 24, features "Unnatural Causes: Is Inequality Making Us Sick?" at 6 p.m. in Goldfarb Hall Student Commons.

At 4 p.m. March 26, Chief Albert White Hat Sr., chair of the Lakota studies department at Sinte Gleska University on the Rosebud Reservation in South Dakota, will discuss Lakota life, including language, history, philosophy and spirituality. Afterward, students and staff will offer a sampling of American Indian foods in the Goldfarb Student Commons.

Buder scholars and Chief White Hat Sr. will present Pow

Wow 101 in the Danforth University Center Fun Room. Attendees will be able to find out everything they want to know about an American Indian Pow Wow.

The celebration culminates March 28 in the Field House with the 19th annual Pow Wow, a festival of American Indian dancing, singing, drumming, arts, crafts and food. Health information booths at the event will provide information on diabetes prevention and awareness; first aid certification with



the American Red Cross; heart disease information; and services available to veterans through VA Hospitals.

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

"The Buder Scholars continually work to support and ensure the occurrence of the Pow Wow because it provides an opportunity to make non-Native Americans in the St. Louis community aware of the issues facing Indian Country," said Sherri Brooks, Buder scholar and Pow Wow organizer.

"Not only is the Pow Wow an annual event that provides cultural enrichment to the local and University community, it is an important event for the St. Louis Native American community. It is the only consistent Pow Wow in over a 100-mile radius," Brooks said.

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

For more information, call 935-4510 or visit [buder.wustl.edu](http://buder.wustl.edu).

## Friday, March 20

**8 p.m. Music Dept. Opera Production.** "The Aspern Papers." (Also 8 p.m. March 21.) Edison Theatre. 935-5566.

## Thursday, March 26

**8 p.m. Performing Arts Dept. Presentation.** "Candlestick Park." (Also 8 p.m. March 27 & 28; 2 p.m. March 28 & 29.) Cost: \$15; \$10 for students, faculty, staff and seniors. Mallinckrodt Student Center, A.E. Hotchner Studio Theatre. 935-6543.

## Friday, March 27

**8 p.m. OVATIONS Series.** "Foreign Bodies." (Also 8 p.m. March 28.) Cost: \$32, \$28 for seniors, faculty and staff, \$20 for students and children. Edison Theatre. 935-6543.

## Saturday, March 28

**11 a.m. ovations for young people series.** Diavolo. Cost: \$10. Edison Theatre. 935-6543.

## And More

### Saturday, March 21

**6 p.m. Relay for Life.** (Continues through 6 a.m. March 22.) Francis Field. For more information: [relayforlife.org/washumo](http://relayforlife.org/washumo).

### Sunday, March 22

**5 p.m. School of Social Work Annual International Festival.** "Connecting Cultures." Lab Science Bldg., Rm. 300. 935-6600.

### Wednesday, March 25

**9 a.m.-9 p.m. Blood Drive.** Various locations throughout campus. For more information: [communityservice.wustl.edu/bd/](http://communityservice.wustl.edu/bd/).

### Saturday, March 28

**10 a.m.-10 p.m. 19th Annual Pow Wow.** WU Field House. 935-4510.

### Sunday, March 29

**3 p.m. Herbert F. Hitzeman Jr. Memorial Service.** Graham Chapel. (Reception follows in Ridgley Hall, Holmes Lounge.) 935-5277.

## Sports

### Thursday, March 19

**4:30 p.m. Men's Tennis vs. Emporia State U.** Tao Tennis Center. 935-4705.

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

### Friday, March 20

**9 a.m. Women's Tennis vs. Graceland U.** Tao Tennis Center. 935-4705.

**12:30 p.m. Baseball vs. Presentation College.** Athletic Complex. 935-4705.

### Saturday, March 21

**10 a.m. Softball vs. Coe College.** Marriott West Tournament. WUSTL Field. 935-4705.

**Noon. Men's Tennis vs. Graceland U.** Tao Tennis Center. 935-4705.

**Noon. Softball vs. U. of Dubuque.** Marriott West Tournament. WUSTL Field. 935-4705.

**1 p.m. Baseball vs. Benedictine U.** Athletic Complex. 935-4705.

**4 p.m. Baseball vs. III. Wesleyan U.** Athletic Complex. 935-4705.

### Sunday, March 22

**11:30 a.m. Baseball vs. III. Wesleyan U.** Athletic Complex. 935-4705.

**Noon Softball vs. Simpson College.** Marriott West Tournament. WUSTL Field. 935-4705.

**2 p.m. Softball vs. Cornell College.** Marriott West Tournament. WUSTL Field. 935-4705.

**2:30 p.m. Baseball vs. Benedictine U.** Athletic Complex. 935-4705.

### Tuesday, March 24

**1 p.m. Baseball vs. III. College.** Athletic Complex. 935-4705.

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

### Thursday, March 26

**2 p.m. Baseball vs. Millkin U.** Athletic Complex. 935-4705.

### Friday, March 27

**2:30 p.m. Track & Field.** WU Mini Meet. Francis Field. 935-4705.

### Saturday, March 28

**All Day. Track & Field.** WU High School Meet. Francis Field. 935-4705.

**10 a.m. Softball vs. Wis.-Eau Claire.** WU Tournament. WUSTL Field. 935-4705.

**Noon. Softball vs. III. Wesleyan U.** WU Tournament. WUSTL Field. 935-4705.

### Sunday, March 29

**Noon Softball vs. Ohio Northern U.** WU Tournament. WUSTL Field. 935-4705.

**1 p.m. Men's Tennis vs. Grinnell College.** Tao Tennis Center. 935-4705.

**4 p.m. Softball vs. Wis.-Eau Claire.** WU Tournament. WUSTL Field. 935-4705.

### Wednesday, April 1

**4 p.m. Softball vs. Webster U.** WU Tournament. WUSTL Field. 935-4705.

**6 p.m. Men's Tennis vs. Westminster College.** Tao Tennis Center. 935-4705.

## Green Your Office

Don't use space heaters. Report heating problems to your office manager.



## Saturday Science focuses on Galileo

WUSTL physics professors will explore the genius of Galileo during the Saturday Science seminar series, sponsored by the Department of Physics and University College in Arts & Sciences.

Born in 1564, Galileo Galilei was the first to understand the role of controlled experiments in science. His methods of reasoning represent a sharp break from those of earlier scientists. Among Galileo's great interests were mechanics — the science of motion — and astronomy.

Galileo's acute observations and inventive interpretation provided major support for Copernicus' model of the solar system. It also undermined the Catholic Church's authority to impose its own theory and created an historic confrontation between Galileo and the Catholic Church.

The popular Saturday Science

seminar series is in its 17th year. The 2009 lectures begin Saturday, March 21. They are free and open to the public, and no registration is required.

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

• **March 21.** Michael Friedlander, Ph.D., professor of physics and series organizer, will present "The Scientific Background."

• **March 28.** Patrick Gibbons, Ph.D., professor of physics, will discuss "Galileo's Astronomical Discoveries."

• **April 4.** John S. Rigden, Ph.D., adjunct professor of physics, will present "Galileo, A Founder of Modern Physics."

• **April 18.** Friedlander will speak about "Galileo's Trial."

For more information, call 935-6276.

## Metro

— from Page 1

"Changes made by Metro were not severe in the areas immediately surrounding the University," Stoff said. "WUSTL is located in a busy area, where there is high volume of Metro ridership — not to mention that these lines serve vital areas such as shopping and medical centers."

Despite the reductions in Metro service, the University remains committed to the use of public transportation — a significant part of its sustainability goal of reducing its carbon footprint — and its U-Pass program.

"The U-Pass enables our campus community members to

maneuver around the St. Louis area easily and free of charge," Stoff said. "It is not only a way to reduce their carbon footprint, but also a way to reduce parking expenses and personal transportation overhead."

Funded by the University, the U-Pass program provides benefits-eligible faculty and staff, full-time students and full-time employees of basic service contractors a Universal Metro Pass that allows free boarding of any Metro bus or MetroLink light-rail system train.

For more information about Metro changes and to locate revised schedules and route maps, visit [metrostlouis.org](http://metrostlouis.org) or call Metro at 231-2345.

For more information on the U-Pass program, visit [parking.wustl.edu/upass.htm](http://parking.wustl.edu/upass.htm).

## Other transportation alternatives

Other transportation alternatives exist that can help the WUSTL community overcome problems caused by changes in Metro service.

**RideFinders car pooling and van pooling:** RideFinders is a regional rideshare program that helps commuters find other commuters for car pools or van pools. Visit [ridefinders.org](http://ridefinders.org) for information. Employees also can set up their own car pools with neighbors or friends who work at the University.

Currently, Ridefinders has established School of Medicine van pools from Washington, Union and Festus, and employees have expressed interest in starting new van pools from St. Charles/St. Peters and from the Sullivan/Cuba area.

**WeCar car-sharing program:** With car sharing, WUSTL community members can have a vehicle when they need one if they take alternate

transportation to campus. Registration is free and required to participate in the program. To reserve a car, visit [wecar.com/wustl](http://wecar.com/wustl). The hourly rate is \$10 for a Toyota Prius and \$12 for a Ford Escape. Cars can be rented overnight for \$15.

**Guaranteed Ride Home:** Employees and students must be registered with Citizens for Modern Transit to participate in this program. The program enables those who take MetroBus or MetroLink, walk or ride their bicycle to work to take a discounted taxi ride home up to four times per year if they or an immediate family member becomes sick or if they have unexpected, unscheduled overtime. Visit [cmt-stl.org](http://cmt-stl.org) for more information.

**Cycling to work:** Bicycle racks are located around the campuses for the convenience of employees who choose to bike to work.



**Fine art** Cheryl Waites (left) and Rhonda Garver, both parents of preschoolers at the Washington University Nursery School, admire the paintings during the school's annual gallery night fundraiser March 7 at the Shearburn William Gallery in St. Louis. Each child created an original acrylic "masterpiece" on canvas for the event. The nursery school serves children between two years, seven months, to five years. Around 70 percent are children of WUSTL faculty and staff members. The school serves as a site for research in child development and early childhood teacher training. University students participate in a teaching practicum, and WUSTL students are employed to assist in the classrooms.

## Metz performs concert with rare instrument March 22

Pianist and harpsichordist Charles Metz, Ph.D., will perform an intimate program on the virginal for the Department of Music in Arts & Sciences at 4 p.m. Sunday, March 22, as part of its spring 2009 concert series.

Titled "Virginal, Viols, and Voice," the concert will feature a program of 16th-century English and 17th-century Italian music. It will be presented in the Ballroom Theater at the 560 Music Center, 560 Trinity Ave. The concert is free and open to the public.

The program also will highlight soprano Emily Heslop in a selection of consort songs by William Byrd, a leading composer of the Elizabethan Age.

Heslop will be accompanied by the Washington University Consort of Viols under the direction of Elizabeth Macdonald, director of strings in the music

department.

A smaller, rectangular version of the harpsichord, the virginal can be attributed to the Florentine instrument-maker Francesco Poggi and dated c. 1590, said Hugh Macdonald, Ph.D., the Avis H. Blewett Professor of Music, head of musicology and acting chair of the Department of Music.

Unlike the harpsichord, however, the virginal was made with strings that ran parallel to the keyboard and that produced a flute-like sound when plucked. Because most of the models did not have legs, they were often placed on tables for playing.

"More than 400 years after it was built, this instrument surfaced in O'Fallon, Ill., where it was identified and purchased by Metz, who has had it carefully and beautifully restored," Hugh Macdonald said. "There are 18 known instruments in the

world by the same maker, all in museums except for three, of which this is one."

Metz studied piano at Penn State University and harpsichord with Igor Kipnis and Trevor Pinnock. He frequently performs with the Bach Society of Saint Louis, the Masterworks Chorale and Collegium Vocale and has performed in the Netherlands, Germany and Costa Rica. He earned a doctorate in historical performance practice from WUSTL.

Metz also serves as president of the Friends of Music, which supports the Department of Music's high standards in performance, musical studies and research while encouraging WUSTL students and faculty in their musical scholarship and creativity.

For more information, call 935-5566 or e-mail [kschultz@artsci.wustl.edu](mailto:kschultz@artsci.wustl.edu).

## Eyes

**Light-sensing molecules bind to make pigments**

— from Page 1

Scientists have long known that light-sensing molecules bind together to make up visual pigments. Those pigments are destroyed when they absorb light and must be rebuilt, or recycled, for the cone cells to continue sensing light. In order to be recycled, key components of pigments called chromophores leave the retina and travel to the eye's retinal pigment epithelium, where the chromophore is restored and returned to the retina.

"If the chromophores cannot be recycled, cone cells gradually run out of visual pigment and can't detect light," Kefalov said.

But the process of traveling to and from the pigment epithelium takes too long to explain how cones quickly adapt to darkness following exposure to bright light, so Kefalov's team went looking for a second, supplementary pathway.

Working in salamander eyes, the research team removed the pigment epithelium layer so that pigment molecules could not be recycled using the known pathway. When the scientists exposed the retina to bright light and then to darkness, the cones continued to function, even without the pigment epithelium. That meant the



**"By blocking the function of Müller cells, we prevented the recycling of chromophores. The cones ran out of photopigment and could not adapt to dark."**

VLADIMIR J. KEFALOV

pigment molecules were recycled in spite of the fact that they could not travel to the pigment epithelium.

"So it was clear that a second pathway is being used by the cone cells," Kefalov said.

But where? Biochemical evidence had suggested cells called Müller cells might be involved. Like glial cells in the brain that support and interact with neurons, Müller cells in the retina support and interact with photoreceptors. The researchers treated salamander retinas with a chemical that destroyed the Müller cells.

They repeated the experiment exposing the retina to bright light, followed by darkness. "And by blocking the function of Müller cells, we prevented the recycling of chromophores," Kefalov said. "The cones ran out of photopigment and could not adapt to dark."

The group then conducted the same series of experiments in the mouse retina with the same results, suggesting the second pathway involving Müller cells also is important in the mammalian eye.

If it is active in the human eye, Kefalov said it may be possible one day to manipulate this pathway to improve vision when the other one involving pigment epithelium has been interrupted by injury or disease.

One disease is age-related macular degeneration, where cone cells begin to malfunction over time. Because the disease and the pathway Kefalov's team identified both involve cones, he said it may be possible someday to target that pathway, rev up its activity and supplement or rescue the function of cones.

Before that happens, he said it will be important to determine exactly how the Müller cells are interacting with photoreceptors. Although these studies confirmed the existence of the second photoreceptor pathway, they didn't reveal how it works.

Kefalov's laboratory has recently received a five-year, \$1.9 million National Eye Institute grant to study how this newly identified visual pathway functions in the retina.

## Record

Volume 33, Number 26

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

Associate Vice Chancellor Steven J. Givens  
Executive Editor Susan Killenberg McGinn  
Editor Leslie Gibson McCarthy  
Associate Editor Neil Schoenherr  
Assistant Editor Jessica Daues  
Medical News Editor Beth Miller  
Calendar Coordinator Angela Hall  
Print Production Carl Jacobs  
Online Production Tammy Ritterskamp

**News & Comments**  
(314) 935-5293  
Campus Box 1070  
[record@wustl.edu](mailto:record@wustl.edu)

**Medical News**  
(314) 286-0119  
Campus Box 8508  
[millerbe@wustl.edu](mailto:millerbe@wustl.edu)

**Calendar Submissions**  
Fax: (314) 935-4259  
Campus Box 1070  
[recordcalendar@wustl.edu](mailto:recordcalendar@wustl.edu)

**Record** (USPS 600-430; ISSN 1043-0520). Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130. Periodicals postage paid at St. Louis, MO.

**Where to send address changes**  
Postmaster and nonemployees: Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130. Employees: Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130.

**Reprint permission**  
Articles may be reprinted with appropriate credit to Washington University in St. Louis Record.



## Notables

### Mathematics of Arch explained for Assembly Series

By KURT MUELLER

The Gateway Arch soars above St. Louis. Eero Saarinen's awe-inspiring design is visually stunning, extraordinarily graceful and an architectural masterpiece, but it is also a mathematical marvel.

Ever wondered about the shape of the Gateway Arch?

Pre-eminent mathematician Robert Osserman, Ph.D., certainly

has and will explain its mathematical mysteries in an Assembly Series lecture "How the Gateway Arch Got Its Shape" at 4 p.m. Wednesday, March 25, in Steinberg Hall Auditorium. The talk is co-sponsored by the Department of Mathematics in Arts & Sciences.

Osserman's visit coincides with an exhibition of Eero Saarinen's work, "Eero Saarinen: Shaping the Future," on view at the Mildred

Lane Kemper Art Museum through April 27.

The Arch is known as a weighted catenary curve. In Latin, catenary refers to a chain. Why did it take this particular shape? Could it be the most efficient way to equalize pressure of an arch? How does that work? And just how did the Arch get its shape? Was it a sketch or model made by Saarinen, or perhaps a mathematical equation? There are many questions and many surprising answers.

Osserman earned a doctorate at Harvard University, where he worked on geometric function theory and on differential geometry, combining the two in a new global theory of minimal surfaces. He also has worked on isoperimetric inequality and related geometric questions. He is the author of several books.

Immediately preceding Osserman's talk, the film "Monument to the Dream: America's Gateway Arch, an Engineering Triumph," by Academy Award-winning filmmaker Charles Guggenheim will be shown at 3:30 p.m. in Steinberg Hall Auditorium.

For more information about this or any Assembly Series program, call 935-4620.

### Callaloo

Conference to include authors, poets, scholars — from Page 1

"The gathering of talent is spectacular: some of our foremost scholars and critics will join with other intellectuals to discuss the state of African-American letters," said Vincent B. Sherry, Ph.D., professor and chair of the Department of English. "This is a celebration and demonstration of African-American literary culture at the highest level."

Participants in the conference, which is titled "The Intellectual's Dilemma: Production and Praxis in the Twenty-first Century," will include more than a dozen celebrated authors, poets and scholars.

Events begin at 8 p.m. Wednesday, March 25, with a keynote address by best-selling cultural critic Michael Eric Dyson, Ph.D., the University Professor of Sociology at Georgetown University and

author, most recently, of "April 4, 1968: Martin Luther King Jr.'s Death and How It Changed America" (2008).

Other events will include readings by Pulitzer Prize-winning poets Rita Dove and Yusef Komunyakaa at 8 p.m. March 26 and 27, respectively. Panel discussions will focus on recent books by the influential academics Houston A. Baker Jr., Ph.D., and Richard Iton, Ph.D.

— both of whom will be in attendance — as well as on works by Harold Cruse, bell hooks (nee Gloria Watkins, Ph.D.) and Cornell West, Ph.D.

The conference will conclude March 28 with a series of informal readings beginning at 5 p.m. in the Ethiopian restaurant Queen of Sheba, 6665 Olive Blvd.

All events — other than the concluding readings — are free and open to the public. For more information, contact Anton DiScalafani, lecturer in English, at [adisclaf@arts.wustl.edu](mailto:adisclaf@arts.wustl.edu) or 935-5047.

For a complete schedule, visit [callaloo.tamu.edu/events\\_StL\\_schedule.htm](http://callaloo.tamu.edu/events_StL_schedule.htm).



Dyson

### Blood drive scheduled for March 25

The next University-wide blood drive will be held Wednesday, March 25, at various locations throughout the Danforth, Medical and West campuses.

The theme of the drive is "What's Your Reason?" Organizers hope to emphasize individual stories and focus on ways people are affected by blood donation.

"We want people to tell their stories about why they are donating," said sophomore Michael Dango, blood drive intern. "We want to give people an opportunity to interact more with the blood drive and reflect on why it is they are donating."

"I'm donating blood because my wife was in serious accident

and received more than 24 units of blood in the first two days following the accident," said Ted Reising, hazardous materials technician in Environmental Health & Safety on the Danforth Campus. "She has had several blood transfusions since then. She is no longer able to give blood, so I am just trying to say thanks for this life-saving gift."

For locations and times, go to [communityservice.wustl.edu/bd](http://communityservice.wustl.edu/bd). Those who donated blood on or before Jan. 28 will be eligible to donate again.

For more information on this new University-wide blood drive model, go to [news-info.wustl.edu/news/page/normal/13716.html](http://news-info.wustl.edu/news/page/normal/13716.html).

## Obituaries

### Harvey, broadcast pioneer, WUSTL benefactor, 90

Paul Harvey, whose news reports and human-interest stories captivated American listeners for decades, died Feb. 28, 2009, at the Mayo Clinic Hospital near his winter home in Arizona. He was 90.

Harvey, and his wife, Lynne "Angel" Cooper Harvey, who died May 3, 2008, were longtime, generous supporters of Washington University. Among their most recent contributions was a gift in 2008 to name the Angel and Paul Harvey Media Center in the Danforth University Center.

Born in 1918 in Tulsa, Okla., Harvey began working at KVOO-AM as a high-school student and became an announcer and program director there while attending the University of Tulsa. After college, he worked in Kansas, Oklahoma and St. Louis. He and his wife met at St. Louis radio station KXOK-AM, where Paul was a young reporter and Angel was hired to develop a program

on education. Born and raised in St. Louis, Angel — as she was universally known — earned both a bachelor's and a master's degree in English in Arts & Sciences from Washington University. Paul proposed to Angel on their first date, and they married in 1940.

In 1944, the Harveys moved to Chicago and soon launched "Paul Harvey News" on ABC affiliate WENR-AM. With Angel as producer, the program quickly became the most listened-to newscast in Chicago and helped pioneer the 10 p.m. newscast, which soon became a national standard.

In 1951, the ABC Radio Networks began broadcasting "Paul Harvey News and Comment" on stations coast-to-coast and, in 1976, expanded "The Rest of the Story" — a long-running feature on "News and Comment" — into its own broadcast. Both shows would reach an estimated 25 million listeners on more than 1,200 radio stations as well as 400

Armed Forces Network stations around the world.

With millions of listeners worldwide and a career that spans nearly 75 years, Harvey was one of the most recognizable voices on radio. Harvey's numerous honors include an unprecedented five Marconi Radio Awards — the industry's highest honor.

He was inducted into the National Radio Hall of Fame in 1990. In 2005, he received the Presidential Medal of Freedom, the nation's most prestigious civilian honor.

Both Angel and Paul received honorary degrees from Washington University in 1998 and 2007, respectively.

The Harvey legacy will live on at Washington University through the Angel and Paul Harvey Media Center, the Lynne Cooper Harvey Distinguished Chair in English, and the Lynne Cooper Harvey Scholarships and Fellowships in American Culture Studies.

### Rogier, Graduate School of Arts & Sciences staff member, 55

Phyllis C. Rogier, accounting/payroll clerk in the Graduate School of Arts & Sciences, died Feb. 21, 2009, of a heart attack at her home in St. Louis. She was 55.

Rogier had been at the University since 1994, when she worked as a sales assistant in the Campus Store in Mallinckrodt Student Center. She joined the Department of Electrical Engineering in the School of Engineering & Applied Science in May 1997 as an accounting purchasing assistant.

She was named an assistant accountant II in the School of Engineering in 2003, and she joined the Graduate School of Arts & Sciences July 5, 2007, as accounting/payroll clerk.

Rogier was a daughter of Phyllis Craig, who worked in Accounting Services from 1982 until her retirement in 1998. Craig died in November 2004.

Louise M. Neeley, accounting coordinator in the graduate school who hired Rogier, said she first met Rogier more than 19 years ago

through working with her mother.

"Phyllis had a very strong work ethic, like her mom — the apple did not fall far from the tree," Neeley said. "She was always very conscientious and strived to do the best job she could — and she did a great job! She was a wonderful co-worker and assistant. I have been blessed to have had both of these exceptional people for dear friends and to have worked with them."

"Phyllis had such a beautiful spirit," Neeley said. "She made friends everywhere. She was a people person. She had a great big, kind heart. She had a great energy to her, a wonderful smile and light in her eyes. She will be missed by so many."

"Outside of the graduate school and School of Engineering, there are many others who do student payroll in the Arts & Sciences departments who are saddened by Phyllis' death," said Nancy P. Pope, Ph.D., associate dean in the Graduate School of Arts & Sciences.

Pope said that Rogier approved the majority of payroll documents entered by a department for a graduate student in Arts & Sciences. To do so, she frequently talked with departmental staff persons, who have been e-mailing the graduate school their condolences, offering to help with Rogier's work and asking how they can show their support to her family.

Neeley added that Rogier's life outside work revolved around her adult children.

"Phyllis' life was her children. She was a very devoted mother and loved her children so very much. She was so proud and always beamed when talking about them," Neeley said.

Among the survivors are two daughters, Stefanie Rogier of Columbia, Mo., and Andrea Rogier; two sons, Joshua and Christopher Rogier; and one sister, Loretta Lavelle, all of St. Louis.

A funeral service was held Feb. 27 at Kutis City Chapel in St. Louis.

### Olasov, engineering student, 22

Anthony Louis Olasov, 22, a senior electrical and computer engineering student, died March 10, 2009, when he accidentally drowned while on spring break in Costa Rica.

Olasov was born March 2, 1987, the son of William and Christine Olasov. He was the older brother of Lauren Olasov.

He was a 2005 graduate of the Academic Magnet High School in Charleston, S.C. He was to graduate with honors this May with a degree in electrical and computer engineering.

While at Washington University, Olasov worked as a teaching assistant and a computer technical assistant and served on the Electrical Engineering Student Advisory Board. He was actively involved in the College Libertarians and had the respect of many of his peers and professors.

"Anthony's family shared with us that he loved being at Washington University, and the past four years have been the best years of his life," said Salvatore P. Sutura, Ph.D., dean of the School of Engineering &

Applied Science.

"Anthony had a never-ending desire to learn and was planning to attend graduate school in the fall," Sutura said. "In honor of Anthony and his desire for learning, his family has established the Anthony Louis Olasov Memorial Scholarship in Engineering at Washington University."

Olasov was a talented pianist, having played for 15 years, and he had the ability to bring tears to his mother's eyes.

In addition to his parents and sister, Olasov is survived by his grandmother, Faye R. Olasov; and many aunts, uncles, cousins and friends.

The funeral was in Charleston March 13. There will be a memorial service at Washington University at a later date.

In lieu of flowers, the family requests donations to: Anthony Louis Olasov Memorial Scholarship, Washington University, One Brookings Drive, Box 1082, St. Louis, Mo., 63130.

Checks may be made payable to Washington University.

### Memorial service for Nassief May 9

A memorial service for Abdullah M. Nassief, M.D., associate professor of neurology, will be held at 1 p.m. May 9 in Connor Auditorium in the Farrell Learning and Teaching Center at the School of Medicine.

Nassief, one of the region's premier experts on stroke, died Feb. 3, 2009, of coronary artery disease while playing soccer. He was 43.

Nassief was co-director of the Cerebrovascular Disease Section in the Department of Neurology, director of the Neurology Residency Program at the School of Medicine and of the Clinical Stroke Center and of Acute Rehabilitation Services at Barnes-Jewish Hospital.

He spearheaded the team that led to Barnes-Jewish Hospital's naming as a Primary Stroke Center by the Joint Commission and played a central role in developing Washington University Medical Center as one of the premier stroke centers in the country.

Memorial contributions may be made to a fund for an award for doctors in training to honor Nassief's dedication to teaching and compassion for patients.

Checks may be made payable to Washington University and sent to the Department of Neurology, Office of the Chairman, Box 8111, 660 S. Euclid Ave., St. Louis, Mo., 63110.



## Washington People

**V**irginia Buckles, Ph.D., is a consummate team player. Whether talking about what she enjoys at the office or on her own time, she tends to bring up the pleasures of working with other talented teammates.

Buckles, 57, has played volleyball since she was 11, and her love for the game centers on the cooperative nature of the sport.

"You can't showboat in volleyball like you can in many other team sports," Buckles says. "You need everyone else, so it's the ultimate team sport."

Buckles speaks with similar admiration of the confluence of talents that she helps bring together at the Alzheimer's Disease Research Center (ADRC), where she has been executive director for 10 years.

"It's just the most amazing place to do research," says Buckles, research associate professor of neurology. "Hardly anyone ever says, 'That's not my job,' and, if you need it, people are there to help."

Interestingly enough, Buckles' teams tend to be winners. Her volleyball team placed first or second nationally in the past three Senior Olympics, and researchers



John C. Morris, M.D. (left), the Harvey A. and Dorismae Hacker Friedman Distinguished Professor of Neurology and director of the Alzheimer's Disease Research Center (ADRC); Virginia Buckles, Ph.D. (center), executive director of the ADRC; and Linda Amos, project manager, look over data from ADRC studies. "Virginia is very much invested in the work the team does and how we do it," Morris says. "She cares very much and wants us to be the best."

By MICHAEL C. PURDY

## Team player

Buckles and the ADRC crew seek the roots of Alzheimer's disease

at the ADRC are perpetually winning grants and prizes and producing papers that are leaders in scientific citations.

To John C. Morris, M.D., the Harvey A. and Dorismae Hacker Friedman Distinguished Professor of Neurology and director of the ADRC, the correlation is no mystery.

"Virginia is very much invested in the work the team does and how we do it," he says. "She cares very much and wants us to be the best. I was very lucky to find her."

### Finding John Morris

Buckles, who has an infectious, easy-to-provoke laugh, jokes that "all roads led to John Morris" when she first came to St. Louis in 1991. Her husband, Jim, had just been transferred from teaching Army ROTC classes at the University of Southern California (USC) to an appointment at the Army's National Personnel Records Center in St. Louis.

At the time, Buckles was finishing postdoctoral work at USC at the Ethel Percy Andrus Gerontology Center at the Davis School of Gerontology. She began her career in science studying learning and control of movement and earned a doctorate in those topics at the University of Wisconsin-Madison. But she had also developed an interest in aging at that time and investigated the extent to which ideas from experiments

with college students could be applied to the elderly.

At the Davis School, then one of the few gerontology schools in the nation, Buckles collaborated with a retired dean and a member of the psychology faculty to study attention and aging.

"It's kind of a leap, but there is a link," she says, laughing. "Several of the cognitive tasks in learning movement overlap with those involved in attention."

In St. Louis, Buckles wrote to Martha Storandt, Ph.D., professor of psychology in Arts & Sciences, to ask if Storandt could recommend anyone who studied aging and movement. Storandt suggested Morris, who at the time had a new grant to study the topic.

At about the same time, a new volleyball teammate at the Jewish Community Center also recommended touching base with Morris. She did, and, in 1992, Buckles started working with Morris, initially analyzing data to prepare it for publication. She gradually took on more and more responsibilities until she became executive director of the ADRC in 1999.

The position involves a variety of different research administration tasks, from gathering the required contributions for a 450-page grant renewal from various ADRC faculty and sending it on its way to facilitating collaborations with international researchers. Morris recently won funding for a project called the Dominantly Inherited Alzheimer's Network, which seeks to learn more about Alzheimer's disease from the rare inherited forms of the disorder and partners the ADRC with other similar centers in the United States, England and Australia.

"There are little details that you never think about until the international effort gets running, like whether the test licensing agreements we acquired in the United States are valid in other countries," she says. "And then there's the whole issue of what to do about a test question that asks subjects how many quarters there are in \$6.75, or picture tests that ask the subject to identify an object that's not commonly recognized overseas."

Buckles loves the "do-it-yourself" mentality that prevails at the ADRC, noting that she keeps a toolbox in her office and installed her own shelves.

"We've done some reuphol-

stering of our exam tables, as another example, or gone to warehouse clearances to pick up furniture for the waiting room at bargain prices," she says. "You'll notice that not everything matches, but that's because we try to be good stewards and make our funds go a long way."

When she has time, Buckles has been an active member of research teams. She most recently was the lead author on a paper focused on issues of informed consent and dementia.

"We wanted to take a look at how researchers can ethically factor complex issues of consent into the degree of dementia being experienced by a patient," she says. "Sometimes we have to turn to family members or others who are legally able to give a proxy consent, but we can't be too quick to dismiss the subject. If they have the capacity to make the decision about their participation, then we have to respect that decision."

In recent years, though, the ever-expanding research programs of the ADRC have kept Buckles too busy for her own research.

"It's almost unheard of for one person to be in charge of four major grant programs, as John is, and to be such a wonderful director dedicated to doing things the right way and the best way," she says. "I get tired just thinking about how much he does."

### Team, family challenges

Off the job, Buckles is getting ready to take her volleyball team to the national Senior Olympics again. She jokes that recruitment and retention can sometimes be the biggest challenges for the team.

"When you recruit, you always have to ask how old they are, and women of a certain age don't like that much," she says. "Also, you have to qualify for nationals a year ahead of time, and it's hard to keep an older team healthy that long. Knees are always going bad, arthritis flaring up, backs getting hurt. But we took first nationally in 2003 and second in 2005 and 2007, and we're headed back this summer."

Buckles says that her team doesn't have to practice because "at our age, you know all the offenses and defenses and can put them together." In any event, she needs that time to nurture the next generation of the Buckles volleyball dynasty: daughters Emma, 13, and Amy, 12. Buckles

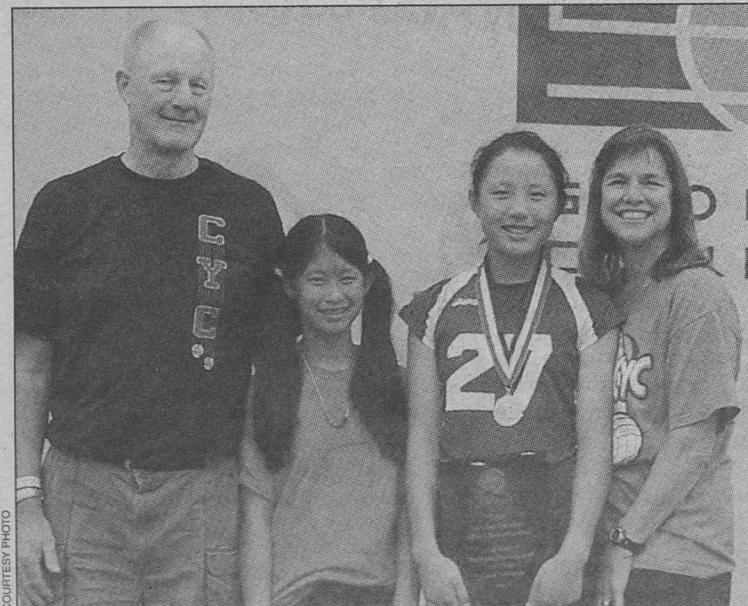
and her husband, Jim, now the sheriff of St. Louis County, adopted the girls from China in the 1990s.

Both girls initially were involved in volleyball and basketball, her husband Jim's favorite sport, but the increasing time commitments required to play in competitive leagues eventually forced them to pick one sport, and, to Buckles' delight, they chose volleyball. They keep a busy competitive schedule that takes them from tournament to tournament for most of the school year. National competitions at the Junior Olympics are in the summer, often around the same time as the Senior Olympics.

"In 2007, I had to go from the Junior Olympics to the Senior Olympics because they were overlapped in time," Buckles says. "And it was so funny to go from the junior competition, where you have 12- to 18-year-olds in spandex, and then you go to the senior games, and there's a lot of gray hair and — thank goodness! — no spandex." At the 2008 junior competition, Emma's team won first nationally.

Buckles said she thinks everyone should have a "lifetime sport" and faults contemporary physical education classes for not turning kids on to an athletic passion they can pursue all their lives.

"Today most people go to the gym to work out, but my response is, hello, that's called work for a reason: It's boring!" she says. "If you give me a choice between work and play, I'd much rather play."



The Buckles family: Jim, Amy, Emma and Virginia Buckles.

### Virginia Buckles

**Born in:** Savannah, Ga.

**Raised in:** Glendale, Calif.

**Likes to read:** Fantasy and science fiction, including Ray Bradbury, Robert A. Heinlein, Larry Niven and Frank Herbert

**Favorite recent read:** The "Inkheart" trilogy by Cornelia Funke

**Favorite place to visit with the girls:** City Museum

**Favorite radio shows:** "Car Talk," "Whad'ya Know?" and "Wait Wait ... Don't Tell Me!" on NPR