

2-7-2008

Washington University Record, February 7, 2008

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

Recommended Citation

"Washington University Record, February 7, 2008" (2008). *Washington University Record*. Book 1132.
<http://digitalcommons.wustl.edu/record/1132>

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 engeszer@wustl.edu.

Record



Washington University in St. Louis

Feb. 7, 2008

record.wustl.edu

KIPP charter school coming to St. Louis; University is sponsor

Another opportunity for students, faculty to have positive impact on schoolchildren

By JESSICA DAUES

Washington University will serve as institutional sponsor of the St. Louis area's first-ever KIPP (Knowledge is Power Program) charter school, announced Greg Wendt, organizer of St. Louisans United to Attract KIPP. The school is scheduled to open in fall 2009.

KIPP, a network of free, college-preparatory public schools in under-resourced communities throughout the United States, has been recognized for its success in putting students on the path to college; nearly 80 percent of KIPP alumni have matriculated to college. Like all Missouri charter schools, the KIPP school will be a public school, open to any student who lives in the City of St. Louis.

"Along with our existing outreach programs, sponsorship of this charter school is one of many opportunities for Washington University to have a positive influence on public, K-12 education in the St. Louis region," Chancellor Mark S. Wrighton said. "The success of KIPP Foundation schools throughout the country is in line with the University's own tradition of excellence and makes KIPP an ideal partner for this endeavor.

"The educational success of young people in our region is critical to the future of our University and our community," Wrighton said.

Officials with the KIPP Foundation expressed their enthusiasm

for this new partnership.

"Washington University, one of the country's elite institutions of higher education, shares KIPP's commitment to closing the achievement gap in public education," said Mikelle Willis, KIPP director of new site development. "We are pleased to partner with the University as we bring KIPP's unique program to St. Louis."

Both Henry S. Webber, executive vice chancellor for administration, and Edward F. Lawlor, Ph.D., dean of the George Warren Brown School of Social Work, will lead the University's sponsorship efforts.

"KIPP has demonstrated a high level of success with its innovative approach to providing a high-quality public education in communities throughout the United States," Webber said. "We are excited to serve as a sponsor and partner with KIPP to help the University make a difference to area children. This partnership is one — but only one — way in which Washington University can help ensure that all children in the St. Louis area have an opportunity to get a first-class education."

The University expects to have significant involvement in the success of this new school. Specific details of this collaboration continue to be discussed, but there likely will be many opportunities for staff and faculty to support the success of this school.

See KIPP, Page 6

Alumni serving in Peace Corps improve University's ranking

By NEIL SCHOENHERR

WUSTL has moved up three spots on this year's top 25 list of medium-sized schools producing Peace Corps volunteers.

With 22 alumni currently serving in the Peace Corps, the University is now ranked 20th overall. Since 1961, when the international service organization was founded, 487 WUSTL alumni have joined the ranks — making the University the 86th largest producer of volunteers all-time.

The University is ranked second in the state for Peace Corps volunteers, behind the University of Missouri-Columbia.

"The high level of student interest in the Peace Corps is in line with students' community service involvement and their increasing interest in serving and understanding the global community," said Stephanie Kurtzman, director

of the Community Service Office and associate director of the Richard A. Gephardt Institute for Public Service.

"The Peace Corps provides our graduates with a unique opportunity to build relationships with local communities, partner with them on improvement projects and deepen their commitment to civic engagement over their life span," she said.

Although it is not a requirement for service, the majority of Peace Corps volunteers are college graduates. Currently, 95 percent of volunteers have at least an undergraduate degree, with 11 percent possessing a graduate-level degree.

More than 8,000 Peace Corps volunteers are serving abroad, a 37-year high for volunteers in the field. Since 1961, more than 190,000 volunteers have helped

See Corps, Page 6



Why can't class be like this every day? While the Giants and Patriots battled to win Super Bowl XLII, about 100 students, faculty and staff gathered at the Knight Center for a different competition: Super Advertising Bowl VIII. The Olin Business School's annual event included presentations from area advertising agencies before the game. During the game, students including Ling-Ling Ting, MBA '09, judged the commercials for their effectiveness and entertainment value. This year's winner was the Tide stain stick ad that featured a talking stain on a young man's shirt. The event also included a raffle with the proceeds going to the Humane Society of Missouri.

1,000 human genomes to be sequenced

By CAROLINE ARBANAS

The School of Medicine will play a leading role in an international collaboration to sequence the genomes of 1,000 individuals by participating in the ambitious 1,000 Genomes Project, designed to create the most detailed picture to date of human genetic variation and assist in the identification of many genetic factors underlying common diseases.

Drawing on the expertise of research teams in the United States, China and England, the project will develop a new map of the human genome that will provide a close-up view of medically relevant DNA variations at a resolution unmatched by current technology. As with other major human genome reference projects, data from the 1,000 Genomes Project will be made swiftly available to the worldwide scientific community through free public databases.

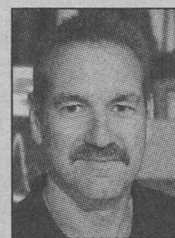
"A project like this would have been unimaginable only a few years ago," said Elaine Mardis, Ph.D., co-director of the University's Genome Sequencing Center and one of the project's lead investigators. "We now have the ability to examine in intimate detail variations in the genetic code that differ from person to person."

At the genetic level, any two humans are more than 99 percent alike. However, it is important to understand the small fraction of genetic material that varies among people because it can help explain differences in individuals' risk of disease, response to drugs or reaction to environmental factors.

Common variation in the



Mardis



Wilson

human genome is organized into local neighborhoods called haplotypes, which usually are inherited as intact blocks of information.

Recently developed catalogs of human genetic variation, such as the HapMap, have proven valuable in human genetic research. Using the HapMap and related resources, researchers already have

"This project will accelerate efforts to pinpoint the many genetic factors that underlie human health and disease."

RICHARD K. WILSON

discovered more than 100 regions of the genome containing genetic variations that contribute to common diseases such as diabetes, coronary artery disease, prostate and breast cancer, rheumatoid arthritis, inflammatory bowel disease and age-related macular degeneration.

However, because existing maps are not extremely detailed, researchers often must follow those studies with costly and time-consuming DNA sequencing to help pinpoint the precise variations. The new map would enable researchers to more quickly zero in on disease-related genetic alterations, speeding efforts to use genetic information to develop new strategies for diagnosing, treating and preventing common diseases.

"Our best chance of knowing why some people remain healthy well into their 90s and others develop illnesses at an early age is to understand the numerous genetic variations that exist within humans," said Richard K. Wilson, Ph.D., director of the University's Genome Sequencing Center and professor of genetics and of microbiology in the School of Medicine. "This project will accelerate efforts to pinpoint the many genetic factors that underlie human health and disease."

The scientific goals of the 1,000 Genomes Project are to obtain a catalog of variations that occur at a frequency of 1 percent or greater in the human population across most of the genome, and down to 0.5 percent or lower within genes. This likely will entail sequencing the genomes of at least 1,000 people.

The project will receive major funding from the Wellcome Trust Sanger Institute in England, the Beijing Genomics Institute in China and the National Human Genome Research Institute, part of the National Institutes of Health.

In addition to the University, both the Sanger Institute and the Beijing Genomics Institute will

See Genomes, Page 2



Assembly Series lineup: Campus scholar, pop psychiatrist

Keshavarz to give insight into life in modern Iran

By Kurt Mueller

Fatemeh Keshavarz, Ph.D., professor of Persian language and literature and chair of the Department of Asian and Near Eastern Languages & Literatures in Arts & Sciences, will give the Assembly Series lecture at 11 a.m., Wednesday, Feb. 13, in Graham Chapel.

Keshavarz, a published poet and writer in both Persian and English, is the author of several books and articles.

Her most recent book, "Jasmine and Stars: Reading More Than Lolita in Tehran," blends personal memoir with literary analysis and social commentary to break pervasive Western stereotypes of Iranians.

Keshavarz contends that Iranians live in hope rather than fear and that Iranian women are vibrant and teeming with intellectual curiosity and expression.

The American Library Association booklist describes this work as an excel-



Keshavarz

lent counterpoint to Azar Nafisi's "Reading Lolita in Tehran." (Nafisi spoke on campus for the Assembly Series in spring 2004.)

In another work, "Reading Mystical Lyric: The Case of Jalal al-Din Rumi," Keshavarz analyzes the poetic contribution of the medieval Persian poet and mystic Rumi.

Her other literary study, "Recite in the Name of the Red Rose: Poetic Sacred Making in Twentieth Century Iran," addresses expressions of spirituality in present-day Iran.

Raised in Shiraz, Iran, Keshavarz earned a bachelor's in Persian language and literature and a master's in library, archive and information studies from Shiraz University and a master of arts and a doctorate in Near Eastern studies from the University of London.

She also takes interest in the broader implications of cultural education for world peace and, in May 2007, spoke on this topic to the United Nations General Assembly.

The talk is free and open to the public.

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

'Dr. Drew' gives keynote for Sexual Responsibility Week

By Kurt Mueller

Physician, radio and television personality, health advocate and writer Drew Pinsky, M.D., will present "Loveline with Dr. Drew" at 6 p.m. Feb. 15 in the Laboratory Sciences Building Auditorium, Room 300. The talk is the keynote address for Sexual Responsibility Week, sponsored by the Student Health Advisory Committee, Student Union and Assembly Series.



Pinsky

Known by millions as "Dr. Drew," the host of the syndicated radio call-in program "Loveline" and of the Discovery Health Channel's "Strictly Dr. Drew," Pinsky is a practicing physician and addiction medicine specialist. Popular with youth, Pinsky is known for his intelligence, compassion and reluctance to pass judgment. He helps guide young people through the complications of love, sex and relationships and sees a great need for helping them form stable, healthy relationships.

His recent venture, "Celebrity Rehab with Dr. Drew," airs on cable television's VH1. It features eight celebrities who spend three weeks battling their addictions at a private recovery center in Southern California.

Pinsky has testified before Congress for the National Institute on Drug Abuse and has participated in the "State of Our Youth" conference at the Carter Center in Atlanta with former First Lady Rosalind Carter. He also works with Advocates for Youth, the Independent Women's Forum and the Media Project.

Currently medical director for the Department of Chemical Dependency Services at Las Encinas Hospital in Pasadena, Calif., Pinsky also is assistant clinical professor of psychiatry at the Keck School of Medicine at the University of Southern California (USC).

He earned a bachelor's degree from Amherst College and a medical degree from USC.

The talk is free and open to the public and will be followed by an extended question-and-answer period. For more information visit assemblyseries.wustl.edu or call 935-5285.

Hand washing key to avoiding flu

By Neil Schoenherr

Many St. Louis area hospitals are overwhelmed with flu sufferers this winter. People living and working in close quarters with large numbers of other people, such as those at Washington University, are at higher risk. How can you protect yourself from getting sick?

"One of the most important steps to take is to wash your hands often," said Alan I. Glass, M.D., director of the Habif Health and Wellness Center on the Danforth Campus. "Practicing

good hygiene is vital to staying healthy this time of year."

Other tips include:

- Cover your mouth and nose when you cough
- As much as possible, avoid close contact with people who are ill
- Avoid touching your eyes, nose and mouth
- Get plenty of sleep, eat a healthy diet and drink plenty of fluids

Also, it is not too late for students to get a flu shot, said Glass. Shots are available at the Habif Health and Wellness Center for

\$10 and are open only to students and spouses/partners covered by the WUSTL student health insurance plan. No appointment is necessary.

Danforth Campus students who suspect they may have the flu are encouraged to call the health center at 935-6666 or visit shs.wustl.edu so they can be evaluated for complications of influenza and prescribed antiviral medication if necessary.

Medical school students should call the School of Medicine's student health services at 362-3523.

Government service careers promoted by 'Call to Serve' grant

By Neil Schoenherr

The University has received one of five \$3,000 Call to Serve grants from the Partnership for Public Service to promote working in government service.

"This grant will help students understand that working for the federal government is not only an exciting career path, but also a valuable way to make a difference in the future of our country," said Robin Hattori, program director at WUSTL's Gephardt Institute for Public Service.

"The grant gives us the means to educate students on exciting opportunities that use their skills, and share knowledge on loan forgiveness and fellowship programs that can make these jobs compare favorably to those in the private sector. WUSTL, as part of a small cohort of universities taking part in this project, has demonstrated serious commitment to addressing our public sector's need for talent," she said.

The grant, part of the federal government's Making the Difference campaign, will help fund a speaker's bureau on campus; bring in two represen-

tatives to do a "train the trainer" presentation in coaching students on federal job searches; and provide access to data and job contacts.

"This grant promotes opportunities across all agencies around the nation and the world," Hattori said. "Examples might include attorney for the Department of Homeland Security, accountant for the Congressional Budget Office, engineer for the Department of Transportation or manager for the Social Security Administration, to name a few."

Other schools receiving grants are Brown University; California State University, Sacramento; University at Albany, State University of New York; and Western Michigan University.

The Making the Difference campaign is the culmination of two years of research the Partnership gleaned during the Call to Serve Recruitment Initiative — a Congressional-funded project with the Office of Personnel Management to identify cost-effective and sustainable ways to promote federal service on campuses. The Call to Serve network consists of more than 600 schools and 74 federal agencies.

WUSTL helps critique national fire safety video

By Jessica Daues

Washington University was one of 60 universities invited to participate in a People's Burn Foundation (PBF) pilot study on a PBF-produced fire safety video.

The Department of Environmental Health and Safety coordinated the project with the PBF.

The video, titled "To Hell and Back III: The College Years," aims to educate college and university students on how to prevent or reduce the injuries and damage that can be caused by

fires in campus housing.

The video was viewed by 20 undergraduates in January. The student volunteers were given a test before and after the viewing to see what information they absorbed.

The students also were invited to make suggestions on how the video could be better tailored to college and university students.

The PBF will review the students' feedback and make appropriate changes to the video.

In April, the foundation will distribute the revised video free

of charge to colleges, universities and fire departments throughout the United States.

The study is important because it is the first PBF educational tool that has been developed for college and university students. Previous educational tools were geared toward firefighters.

For more information about the PBF, visit peoplesburnfoundation.org.

For more information about fire safety or emergencies on campus, visit ehs.wustl.edu/emergency/emergencies.htm.

Buder Center trivia night and auction Feb. 8

By Jessica Martin

The Kathryn M. Buder Center for American Indian Studies at the School of Social Work will host a trivia night from 6-10 p.m. Friday, Feb. 8, in Brown Hall Lounge. Tables of 8-10 players are available for \$10 per person.

In addition to the trivia competition, a silent auction will be held featuring items collected from local businesses and individuals who support the Buder Center and its programs.

All proceeds from the event, co-sponsored by the American Indian Student Association, will

go toward the 18th Annual Pow Wow scheduled for April 5 in the Athletic Complex.

For more information about the trivia night, silent auction or the upcoming Pow Wow, contact the Buder Center at 935-4510 or by e-mail at bcas@gwbmail.wustl.edu.

Genomes

Costs will range from \$30 million-\$50 million — from Page 1

contribute sequencing data, as will the Broad Institute of Massachusetts Institute of Technology and Harvard University and the Human Genome Sequencing Center at the Baylor College of Medicine in Houston. The consortium may add other participants over time.

The project depends on large-scale implementation of several new sequencing platforms. Using standard DNA sequencing technologies, the effort likely would cost more than \$500 million.

However, leaders of the 1,000 Genomes Project expect the costs to range from \$30 million to \$50 million because of the project's pioneering efforts to use new sequencing technologies in the most efficient and cost-effective manner.

The 1,000 Genomes Project will use samples from volunteer donors who gave informed con-

sent for their DNA to be analyzed and placed in public databases.

Among the populations whose DNA will be sequenced are: Yoruban in Ibadan, Nigeria; Japanese in Tokyo; Han Chinese in Beijing; Utah residents with ancestry from northern and western Europe; Luhya in Webuye, Kenya; Maasai in Kinyawa, Kenya; Toscani in Italy; Gujarati Indians in Houston; Chinese in metropolitan Denver; people of Mexican ancestry in Los Angeles; and people of African ancestry in the southwestern United States.

Record

Volume 32, Number 21

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 Chris Soer

News & Comments

(314) 935-5293
Campus Box 1070
record@wustl.edu
Medical News
(314) 286-0119
Campus Box 8508
millerbe@wustl.edu

Calendar Submissions

Fax: (314) 935-4259
Campus Box 1070
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.

Washington University in St. Louis

School of Medicine Update

University, Pfizer extend biomedical research collaboration agreement

By CAROLINE ARBANAS

The University and pharmaceutical company Pfizer Inc. will collaborate more closely under a new biomedical research agreement that has the potential to move discoveries from the laboratory bench to patients' bedsides more quickly.

The five-year, \$25 million agreement represents a new model of partnership between academia and industry by bringing together University and Pfizer scientists to jointly propose, design and carry out research projects as well as to develop talented biomedical researchers through a fellowship program.

The collaboration will focus on the broad arena of immuno-inflammatory disorders, a particular area of interest for Pfizer and one in which the School of Medicine has internationally renowned scientific expertise. Immuno-inflammatory disorders include arthritis and related diseases of bone and cartilage, atherosclerosis, asthma and chronic obstructive pulmonary disease. Immuno-inflammatory processes can cause pain, diabetes, obesity, cancer, central nervous system and gastrointestinal disorders and eye problems.

"This innovative model of partnership intimately links the scientific talent of the University with the extraordinary expertise of a pharmaceutical company like Pfizer," said Chancellor Mark S. Wrighton. "We believe it will serve as a new paradigm for other academic-industry collaborations, and we look forward to the vibrant discoveries and medical advances that the agreement encourages."

New York-based Pfizer has many research laboratories, including those in suburban St. Louis.

"I'm delighted that we continue to innovate and find more effective models to interact with universities and research partners," said Karen Seibert, Ph.D., head of inflammation research for Pfizer. "This agreement will strengthen an already strong partnership between Pfizer scientists and the talented research

community at Washington University — a partnership committed to advancing science to meet the needs of patients."

The WUSTL-Pfizer relationship has its roots in a research agreement the University signed in 1982 with St. Louis-based Monsanto Co., a legacy company of Pfizer. The new agreement differs from previous paradigms in which pharmaceutical companies have provided funding to academic institutions for research projects primarily conceived and conducted by university researchers. The new model stresses equality in intellectual input, commitment and execution by both parties, as well as a mechanism to develop future research talent in immuno-inflammatory diseases, which is central to many disease processes.

Under the new agreement, research on immuno-inflammatory disorders will occur in laboratories at WUSTL and at Pfizer. While the company's Chesterfield, Mo., location is likely to be one site of the work, individual projects will leverage the skills and experience of Pfizer's research scientists worldwide.

"This is a great opportunity for both partners," said Jeffrey Gordon, M.D., director of the University's Center for Genome Sciences who worked closely with Pfizer on the new agreement.

"It leverages the complementary strengths and interests of the two institutions, boosts basic and clinical research in the St. Louis region, and represents an innovative new framework under which academic and industry researchers can collaborate in a way that is mutually advantageous to the University and the company and beneficial to society," he said.

By partnering more closely from a project's conception to its completion, both WUSTL and Pfizer plan to more efficiently capture research innovations that can be readily applied to clinical care. Such success is dependent not only on the quality of the science but on the collaborative relationship between academic researchers and those in industry, Gordon said.

Awareness of Alzheimer's onset lags with less schooling

By MICHAEL C. PURDY

A review of epidemiological data has found evidence that people who spend fewer years in school may experience a slight but statistically significant delay in the realization that they're having cognitive problems that could be Alzheimer's disease.

School of Medicine scientists at the Alzheimer's Disease Research Center (ADRC) reviewed data on 1,449 Alzheimer's patients from their center and 21,880 patients from the National Alzheimer's Coordinating Center, a collaboration of about 30 Alzheimer's disease research centers nationwide.

"We may have a group of people who are at risk for slightly delayed detection of Alzheimer's disease," said lead author Catherine Roe, Ph.D., a neurology research instructor at the ADRC. "Early detection of Alzheimer's disease is important as we progress toward treatments and cures because those treatments will need to be applied as early as possible to have the maximum possible benefit."

The paper appeared in the January issue of *Archives of Neurology*.

In an earlier study of patients with a form of Alzheimer's disease linked to a genetic mutation, Roe and other University researchers found patients with more years of education were likely to be diagnosed

with Alzheimer's disease earlier. This surprised them because higher levels of education have typically been associated with decreased risk of Alzheimer's disease.

The new study confirmed those surprising results, revealing that patients with 12 years or more of schooling were on average slightly younger when diagnosed with Alzheimer's disease than patients with fewer than eight years of schooling. Age of diagnosis for a group with eight to 11 years of schooling fell between the other two groups.

Next, researchers analyzed the severity of patients' dementia when they went to the Alzheimer's disease center for the first time. They found that patients with fewer years of education were likely to be more severely impaired on their first visit.

Alzheimer's disease is cumulatively disabling: The longer one has it, the worse the symptoms become. This suggested to the researchers that those with lower education levels may be slower to notice the early signs of disease, only going to see a specialist after their symptoms become impossible to ignore. Those with more education may become aware of their symptoms while they are still relatively subtle and seek a specialist's help early in the disease process.

"People with higher education levels may be more likely to have a job or a hobby that highlights early cognitive impairment as well as better access to medical care," Roe said. "These could be factors that we need to incorporate into our procedures for screening patients for early signs of cognitive impairment."



Arts appreciation Second-year medical students Lauren Biesbroeck and Huay-Zong Law discuss a painting by Steven Sorscher, M.D., assistant professor of medicine and an oncologist at Siteman Cancer Center. The painting is on display at the School of Medicine Arts Commission's annual art show at the Farrell Learning and Teaching Center. The art show features a variety of art by School of Medicine students, faculty and staff and will be on display through Feb. 15.

Tango improves balance, mobility in patients with Parkinson's disease

By BETH MILLER

Patients with Parkinson's disease who took part in regular tango dance classes showed significant improvements in balance and mobility when compared with patients who did conventional exercise, a new study by School of Medicine researchers shows.

Researchers Gammon M. Earhart, Ph.D., assistant professor of physical therapy, and Madeleine E. Hackney, a predoctoral trainee in movement science, compared the effects of Argentine tango dance classes to exercise classes on functional mobility in 19 patients with Parkinson's disease. The participants in the dance program showed significant improvement in several standard tests for patients with Parkinson's disease, including the Unified Parkinson's Disease Rating Scale and the Berg Balance Scale.

Results appeared in the December 2007 issue of the *Journal of Neurologic Physical Therapy*.

Parkinson's disease is a disorder

that affects nerve cells in a part of the brain that controls muscle movement. The neurotransmitter dopamine-producing nerve cells die or do not work properly, resulting in trembling of hands, arms, legs, jaw and face; stiffness of the arms, legs and trunk; slowness of movement; and poor balance and coordination. Patients are also at greater risk for falls or freezing, the slowing or stopping of movement while walking.

The researchers randomly assigned 19 patients with Parkinson's disease to 20 one-hour sessions of tango dancing or group strength and flexibility exercise designed for patients with Parkinson's and the elderly. Each patient was assessed prior to starting the dance or exercise and after completing the sessions. All were similar in age and stage of Parkinson's disease.

The tango dance sessions included stretching, balance exercises, tango-style walking, footwork patterns, experimenting with timing of steps to music, and dancing with and without a partner. The exercise classes included 40 minutes of seated exercise followed by standing exercises supported by a chair and core strengthening and stretching.

The participants in both groups showed significant improvement in the Unified Parkinson's Disease Rating Scale Motor Subscale 3, which measures overall disease severity with respect to movement. The tango participants showed much improvement on the Berg Balance Scale, which measures balance in a variety of

positions, while the improvements in participants in the exercise group were not as pronounced. In addition, the participants in the tango group showed a trend toward improvement in the Timed Up and Go (TUG) test, which tests functional mobility rising from a chair, walking a short distance, turning and returning to the chair.

"Given these preliminary results, we think that tango is feasible for individuals with Parkinson's disease and may be an appropriate and effective form of group exercise for individuals with Parkinson's," Earhart said. "Although some participants were initially skeptical because they hadn't danced in years or thought they couldn't because of the disease, this study shows that dance can improve functional mobility."

The researchers said that while dance in general may be beneficial for patients with Parkinson's disease, tango uses several aspects of movement that may be especially relevant for these patients including dynamic balance, turning, initiation of movement, moving at a variety of speeds and walking backward.

"This type of therapy looks to be superior than what is currently offered," Hackney said. "The quality of life improved in these patients because of the social aspect of the dancing."

Earhart and Hackney, a former professional dancer, said this is the first study of this type to systematically investigate and compare the effects of tango and strength/flexibility exercises on functional mobility in patients with Parkinson's, and that further studies with larger groups of patients are needed to confirm their observations.

To see a video on this story, visit mednews.wustl.edu/news/page/normal/10927.html.



Hackney

One-day symposium to honor Johnson Feb. 29

A symposium to honor the career of Eugene M. Johnson Jr., Ph.D., professor of neurology and of developmental biology, will be held Feb. 29 at the Eric P. Newman Education Center.

The one-day symposium "Life, Death and the Renewal of the Neuron: The Leap from Bench to Bedside" will cover topics ranging

from the basic science of neuronal survival to translational work on neurodegenerative diseases. It also will highlight the process through which the neurotrophic factor neurturin is being brought to clinical trials.

For more information or to register, visit johnsonsymposium.wustl.edu.

Carnegie curator Douglas Fogle to speak at Kemper

Douglas Fogle, curator of contemporary art for the Carnegie Museum of Art in Pittsburgh, will discuss his curatorial experiences and the practice of contemporary painting at 6:30 p.m. Feb. 15 at the Mildred Lane Kemper Art Museum.

Fogle is organizing the 55th Carnegie International, which will open in Pittsburgh in May 2008 and remain on view through January 2009.

The talk — presented in conjunction with the Kemper Art Museum's exhibition "Thaddeus Strode: Absolutes and Nothings" — is free and open to the public and takes place in Steinberg Hall Auditorium. A reception for Fogle will precede the talk at 6 p.m. in the Kemper museum.

The Carnegie International is the world's second-oldest international survey of contemporary art and the oldest in North America. First organized in 1896 at the behest of industrialist and philanthropist Andrew Carnegie, the exhibition showcases new art and new artists from around the globe. This year's exhibition — the theme for which is "Life on

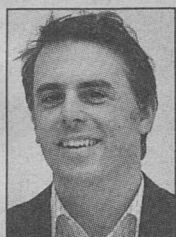
Mars" — focuses on the question of what it means to be human in the world today amidst ever-accelerating global events.

Fogle joined the Carnegie Museum in 2005 and has spent much of his tenure traveling and researching artists for the Carnegie International. Over the past two and a half years, he has visited scores of studios, galleries and exhibitions across Europe and Asia as well as throughout North and South America. In addition, Fogle is responsible for the Carnegie Museum's new acquisitions as well as for the presentation of its contemporary art collection and Forum Gallery exhibitions.

Fogle previously served as curator of visual arts at the Walker Art Center in Minneapolis, where his exhibitions included "Painting at the Edge of the World" (2001) — which addressed the practice of painting in the contemporary global context — as well as "The Last Picture Show: Artists Using Photography, 1960-1982" (2003-2004) and "Andy Warhol/Super-nova: Stars, Deaths, Disasters, 1962-1964" (2005).

Fogle's articles and criticism have been widely published in books, exhibition catalogs and journals such as *Artforum*, *Frieze*, *Flash Art* and *Parkett*.

For more information, call 935-4523 or e-mail kemperartmuseum@wustl.edu.



Fogle

Steven S. Smith, prof. of social sciences & political sciences. McDonnell Hall, Goldfarb Aud. 935-6700.

Monday, Feb. 18

9 a.m.-4:30 p.m. Center for the Application of Information Technology Workshop. "Business Finance & Budget Fundamentals for IT Professionals." (Continues 9 a.m.-4:30 p.m. Feb. 19.) Cost: \$850, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. 935-4444.

2 p.m. Religious Studies Symposium. "Writing a People's History of Christianity." Co-sponsored by the Catholic Student Center. Catholic Student Center, 6352 Forsyth Blvd. 935-8677.

4 p.m. Immunology Research Seminar Series. "Toll-like Receptors, Inflammation and Cancer." Georgio Trinchieri, program dir., center for cancer research, National Cancer Inst. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

4 p.m. Physics Seminar. "Luttinger Liquids and the Exotic World of One-Dimensional Conductors." Matthew Grayson, prof. of electrical engineering & computer science, Northwestern U. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

4:30 p.m. Religious Studies Lecture. E.G. Weltin Lecture in Early Christianity. "Jesus as Exorcist and Healer." Richard A. Horsley, prof. of liberal arts & the study of religion, U. of Mass. Boston (Reception follows.) Whitaker Hall Aud. 935-8677.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar. "Learning the AV Node Through Ablation." Jane Chen, asst. prof. of medicine. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

Tuesday, Feb. 19

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "HIV Entry and its Inhibition." Robert Doms, prof. of microbiology, U. of Penn. Cori Aud., 4565 McKinley Ave. 362-9223.

12:15 p.m. Physics Brown Bag Seminar. "Who AM I? Neutrinos' Identity Crisis." Kai Zuber, U. of Dresden, Germany. (Noon snacks.) Compton Hall, Rm. 241. 935-6276.

Wednesday, Feb. 20

Noon. I-CARES Brown Bag Seminar. "Applied Economic Analysis of Biofuel Policies and Markets Underway at the Food and Agricultural Policy Research Institute at the U. of Mo." Wyatt Thompson, asst. prof. of agricultural economics, and Seth Meyer, asst. research prof. of agricultural economics, U. of Mo. McDonnell Hall, Rm. 212. 935-9541.

Music

Thursday, Feb. 7

8 p.m. Jazz at Holmes. Dave Black, guitar. Ridgley Hall, Holmes Lounge. 935-5566.

Friday, Feb. 8

4 p.m. Department of Music Lecture. John Adams, composer. Music Classroom Building, Rm. 102. 935-5566.

Thursday, Feb. 14

8 p.m. Jazz at Holmes. Danny Sher's Idiosyncrasies. Ridgley Hall, Holmes Lounge. 935-5566.

Sunday, Feb. 17

3 p.m. Symphony Orchestra. E. Desmond Lee Concert Hall, 560 Trinity Ave. 935-4841.

On Stage

Friday, Feb. 15

8 p.m. OVATIONS! Series. "Sacred Funk." Cost: \$30, \$25 for seniors, WUSTL faculty & staff, \$18 for students & children. Edison Theatre. 935-6543.

Saturday, Feb. 16

11 a.m. ovations! for young people Series. The Campbell Brothers. Cost: \$8. Edison Theatre. 935-6543.

Sports

Friday, Feb. 8

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

8 p.m. Men's Basketball vs. Carnegie Mellon U. Athletic Complex. 935-4705.

Sunday, Feb. 10

Noon. Men's Basketball vs. U. of Rochester. Athletic Complex. 935-4705.

2 p.m. Women's Basketball vs. U. of Rochester. Athletic Complex. 935-4705.

And More

Monday, Feb. 11

1:30 p.m. Gephardt Institute for Public Service Fireside Chat. Former Congressman Richard A. Gephardt. Women's Bldg. Formal Lounge. 935-8628.



Community lunch Jessica Gibson, a student at the George Warren Brown School of Social Work, chats with Sam Kadaian, one of the family owners of University City's Queen of Sheba East African restaurant during a recent Community Lunch in Goldfarb Hall Commons. The Brown School offers a Community Lunch every other week to help make faculty, staff and students aware of the smaller ethnic restaurants that are near the University. The next Community Lunch is scheduled for Saturday, Feb. 9, and will feature food from Mi Ranchito at 887 Kingsland Ave. in the University City Loop.

Art talks open two new exhibitions on campus

The Mildred Lane Kemper Art Museum will host a series of three artists' talks and discussions Feb. 7-9.

All three events are in conjunction with two new exhibitions: "On the Margins," which explores the impact of war and disaster on a range of contemporary artists; and "Thaddeus Strode: Absolutes and Nothings," which features more than two dozen large-scale paintings by the acclaimed Los Angeles painter.

Events begin at 6:30 p.m. today, Feb. 7, when the Irish video installation artist Willie Doherty will discuss his work in the Steinberg Auditorium.

Doherty — whose haunting 2007 video "Ghost Story" is featured in "On the Margins" — was born in Derry, Northern Ireland, in 1959 and as a child witnessed the infamous Bloody Sunday incident. His photo-

graphic and video works explore the atmosphere of fear and uncertainty that became pervasive throughout the Northern Ireland conflict, while also exhibiting a deep skepticism about mainstream media depictions of "The Troubles."

Doherty's work has been widely exhibited at galleries and museums across Europe and the United States. In 1993 and again in 2007, he represented Ireland at the Venice Biennale; in 2003, he represented Great Britain at the São Paulo Art Biennial. He was nominated for Britain's prestigious Turner Prize in 1994 and 2003.

Both "On the Margins" and "Absolutes and Nothings" open at 7 p.m. Friday, Feb. 8, in the Kemper Art Museum. As part of the reception, at 7:30 p.m. Strode will host a walk-through of "Absolutes and Nothings" with Sabine Eck-

mann, Ph.D., director and chief curator of the Kemper Art Museum, and Meredith Malone, Ph.D., assistant curator.

Finally, at 11 a.m. Saturday, Feb. 9, art critic Eleanor Heartney will moderate an "On the Margins" panel discussion at the Center of Contemporary Art located at 524 Trinity Ave. in University City. The panel will include artists Willie Cole and Jane Hammond as well as art critic Paul Krainak. Both Heartney and Krainak contributed essays to the exhibition catalog, which is distributed by the University of Chicago Press.

Introducing the discussion will be curator Carmon Colangelo, dean of the Sam Fox School of Design & Visual Arts and the E. Desmond Lee Professor for Collaboration in the Arts.

All events are free and open to the public.

Sports

Men's basketball drops two on the road

The Bears dropped a pair of games on the road last week, losing at No. 3 University of Rochester, 73-70, in overtime Feb. 1, and then falling flat at Carnegie Mellon University, 86-55, Feb. 3. WUSTL led Rochester 60-54 with two minutes remaining in regulation, but the Yellowjackets closed on a 9-3 scoring run and forced overtime with a 12-foot bank shot as time expired.

The men's team returns to action 8 p.m. Friday, Feb. 8, against Carnegie Mellon in the Field House. Also this weekend, both the men's and women's team will host a Youth Day doubleheader Sunday, Feb. 10, against the University of Rochester. The day will include team poster giveaways, autograph sessions, face painting and NCAA mascot JJ Jumper performing at halftime. The men tip-off first at 11:30 a.m. followed by the women at 1:30 p.m.

Women's basketball hosts 'pink out'

The women's team split its two road games last week, falling at No. 10 University of Rochester, 58-55, in overtime Feb. 1, and winning at Carnegie Mellon University, 54-47, Feb. 3.

Sophomore Zoe Unruh scored 10 second-half points to power WUSTL to victory against Carnegie Mellon.

The next game is 6 p.m. Friday, Feb. 8, vs. Carnegie Mellon in the Field House, a "pink out" event for breast cancer awareness in which fans are encouraged to wear pink in a show of support.

Softball ranked No. 24 in preseason poll

The softball team is ranked No. 24 in the National Fastpitch Coaches Association (NFCA) Division III Preseason Top 25 Poll.

Third-year head coach Leticia Pineda-Boutte guided WUSTL to a 35-7 overall record in 2007 and a runner-up finish at the College World Series.

The Bears return 11 letterwinners, including 10 position players and one starting pitcher. The season begins Saturday, Feb. 23, at 10 a.m., against the University of Texas-Tyler at the Easton Classic in Tyler, Texas.

Another week, another pole vault record

The men's and women's track and field teams competed at the Titan Open Feb. 2 in Bloomington, Ill. The women's team took fourth at the event with 68 points, and the

men's squad picked up 20 points to grab seventh place. Senior Morgen Leonard-Fleckman broke a school record in the pole vault for the second consecutive week, posting a leap of 3.74 meters. Senior Abbey Hartmann took home the other first-place finish, winning the 5,000-meter run.

The men's team continued to post impressive 4x400 relay times, placing second in the event. Both squads will be back in action Saturday, Feb. 9, returning to Bloomington, Ill., to compete in the Bob Keck Invitational.

Men's tennis defeats UMSL in opener

The No. 7 men's tennis team opened the 2008 spring season with a 9-0 win against Division II University of Missouri-St. Louis Feb. 1 at Sunset Tennis Center.

The Bears have won 13 straight matches at home and 30 of their past 31. WUSTL won all six singles matches in straight sets. Sophomore John Watts (No. 1), junior Charlie Cutler (No. 2), sophomore Danny Levy (No. 3), freshman Max Woods (No. 4), junior Chris Hoeland (No. 5) and freshman Isaac Stein (No. 6) each picked up victories. The team (2-0) returns to action Saturday, Feb. 16, at 1:30 p.m. at Division I Illinois State University.

Freedman to give 'Encore' presentation

The George Warren Brown School of Social Work will host a lecture by Marc Freedman, founder and CEO of Civic Ventures and author of the groundbreaking book "Encore: Finding Work That Matters in the Second Half of Life" at 3 p.m. Monday, Feb. 11, in Brown Hall Lounge.

The lecture, titled "Realizing the Experience Dividend — Boomers and the Invention of a New Stage of Work," is free and open to the public. Freedman's book will be available for purchase and there will be a signing after the event.

By 2010, nearly 40 percent of the American workforce will begin to reach traditional retirement age, making baby boomers the largest, best-educated and healthiest cohort of retirees ever to approach this juncture.

In his lecture, Freedman will describe how this generation is eschewing retirement and redefining work as this cohort pursues "encore careers" at the intersection of continued income, new meaning and

social impact.

Civic Ventures is a think tank and incubator working to help society achieve the greatest return on experience.

Freedman also is co-founder of Experience Corps, the nation's largest nonprofit national service program engaging Americans over 55, and The Purpose Prize, the nation's first prize for, and biggest investment in, social innovators over 60.

Freedman's earlier books include "Prime Time: How Baby Boomers Will Revolutionize Retirement and Transform America" and "The Kindness of Strangers: Adult Mentors, Urban Youth, and the New Volunteerism."

The lecture, co-sponsored by the Center for Social Development and the Gephardt Institute for Public Service, is part of the Brown School's 2007-08 lecture series.

For more information call 935-7573 or visit gwbweb.wustl.edu.

Debating the merits of mudslinging

Political experts with widely opposing views on the civic costs and benefits of negative campaign advertising will debate the merits of mudslinging in a public forum at 7:30 p.m. Tuesday, Feb. 12, in the Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

The program features discussions by political science professors John Geer, Ph.D., of Vanderbilt University, and Thomas Patterson, Ph.D., of Harvard University.

Geer, Professor of Leadership, Policy and Organization at

Vanderbilt's Peabody College, is the author of "In Defense of Negativity: Attack Advertising in Presidential Campaigns."

Geer argues that negative advertising can be helpful in educating voters.

Patterson, the Bradlee Professor of Government and the Press at Harvard, is author of "The Vanishing Voter," which looks at the causes and consequences of declining electoral participation.

Patterson argues that negative advertising and attack journalism are a turnoff for some citi-

zens and that both are contributing to an erosion of trust and interest in politics.

Sponsored by the Weidenbaum Center on the Economy, Government and Public Policy in Arts & Sciences, the event is free and open to the public.

Advance registration, which is recommended but not required, can be made online at wc.wustl.edu, or by calling 935-6790.

For more information, contact Melinda Warren at 935-5652.

Court of Appeals session at law school Feb. 13

The 8th U.S. Circuit Court of Appeals will hold a special session from 9-11 a.m. Wednesday, Feb. 13, in the School of Law's Bryan Cave Moot Courtroom in Anheuser-Busch Hall.

The public is invited to hear three appeals cases related to three topics: misconduct during the discovery process, wrongful death and First Amendment retaliation.

The event is a continuing program in which the Court of Appeals periodically holds sessions in law schools as part of an educational program.

Hearing oral arguments will be judges Raymond W. Gruender, J.D., Michael J. Melloy, J.D.,

and Bobby E. Shepherd, J.D.

A question-and-answer period on procedural issues and judicial clerkships will follow the session.

The event is open to the public, but visitors are asked to enter and exit only during breaks between oral arguments.

Case briefs for the oral argument session will be on temporary reserve in the Law Library under "8th Circuit Special Session."

Following the court session and the question-and-answer period, the School of Law will confer the Legal Practice Excellence Award, a book award that is given to one student in each Legal Practice section for excel-

lent performance in the class during the first year of law school.

This year's recipients are Alexander Elson, Travis England, Selena Gillham, Anthony Grice, Jennifer Heydemann, Colin O'Brien, Bryan Pennington, Stephanie Quick, Hilary Reid, Benjamin Sandahl, Elizabeth Siemer and Megan Sindel.

These students are recognized for consistently drafting high quality memoranda and briefs in his or her section and for otherwise significantly contributing to the class as a first-year law student.

For more information about the session or award, call 935-6430 or visit law.wustl.edu.



Metro High School students assemble hydrogen fuel cells to power model cars as part of WUSTL's Science Outreach program.

KIPP

— from Page 1

The first KIPP public school will serve grades 5-8 and will open with approximately 80 students chosen through a lottery system. All KIPP middle schools start with fifth grade and add one grade per year until becoming a fifth-through-eighth grade public middle school. The location of the school has not been determined, but it will be in the City of St. Louis.

KIPP schools differ from a typical school in many ways. One significant difference is the amount of time a student spends in school. Both students and teachers arrive no later than 7:30 a.m. and stay until 5 p.m. on weekdays. They also come in every other Saturday and for three to four weeks during the summer.

In addition, in order for a child to attend a KIPP school, the student, the student's parents or guardians and the student's teacher must sign a "Commitment to Excellence" learning pledge, in which each party promises to do whatever it takes to help the student learn.

Currently, more than 14,000 students are enrolled in 57 KIPP schools located in 17 states and Washington, D.C. More than 80 percent of KIPP students nationwide are low-income, and more than 90 percent are African-American or Hispanic. To learn more about KIPP schools, visit kipp.org.

The KIPP sponsorship is one of many of the University's efforts to positively impact schools and children in the St. Louis area. Among other programs are:

• **Each One Teach One (EOTO).** This program connects tutors from WUSTL with area school children in need of support through both EOTO Jump Start and EOTO College Bound. Jump Start tutors work with elementary school students from St. Louis Public Schools; College Bound partners with a local nonprofit organization also called College Bound that aims to give promising, motivated, under-resourced high-school students the academic capacity, social support and life skills necessary to succeed at a four-year college.

• **Early Elementary Education Lesson Study Project.** WUSTL staff, in partnership with the Saint Louis Zoo, provide kindergarten through second-grade teachers in four St. Louis urban elementary schools with resources and assistance in developing science curriculum as well as coaching and mentoring them in delivering science units to the classroom.

The project is organized through the University's Department of Education in Arts & Sciences and funded by a National Science Foundation grant.

• **Science Outreach.** This program sponsors a series of graduate courses for K-8 teachers through the Department of Edu-

cation and a master's degree program for high-school teachers through the Department of Biology, both in Arts & Sciences.

Major support from the Howard Hughes Medical Institute, the National Institutes of Health and the National Science Foundation has made it possible for Science Outreach to build partnerships with public schools.

Programs help teachers use methods and materials proven effective through educational research. In 2006-07, Science Outreach courses, programs, lab materials and classroom support impacted more than 1,570 K-12 teachers and 35,300 students.

• **Service First.** Founded in 1999 and held every year on the Saturday before Labor Day, this program involves more than 1,000 students, staff and faculty members who volunteer with the St. Louis Public Schools to help brighten schools for the children through painting and other "sprucing-up" work.

• **WUSTL YMCA.** The largest community organization on campus, the WUSTL Y offers an abundance of opportunities for students to work directly with schoolchildren in the St. Louis area. YMCA groups include the Greg Delos Y-Tutor program, the ARIS After School program, Spotlight on Youth, Catalyst, Picture the Future and many more.

• **Center for Inquiry in Science, Teaching and Learning (CISTL) St. Louis Regional Database Project.** Accessed through an interactive Web site (gis.wustl.edu/cistl), the database includes information about students, teachers, schools and communities in the St. Louis area.

Its purpose is to make data available on a regional basis and allow educators, researchers, community leaders and parents to research how students are performing in science as a region or group of districts or schools and make more informed, data-driven decisions.

• **Wellston Summer School Program.** For this program, Washington University works with the Wellston School District to assist rising high-school seniors in several key concentrations, including credit recovery, ACT preparation, postsecondary education exploration, introduction to university life and the development of leadership and communication skills.

Corps

— from Page 1

promote a better understanding between Americans and the people of the 139 countries where volunteers have served.

Peace Corps volunteers must be U.S. citizens and at least 18 years of age. Peace Corps service is a 27-month commitment.

Students, faculty and community members interested in the Peace Corps can attend an informational session at 10 a.m. March 18 in the Career Center in Umrath Hall.

Construction Update

Construction Update is published periodically and provides information about the progress of major building and renovation projects. Information is provided to the *Record* by Facilities Management.

Harry and Susan Seigle Hall

Painting has begun on the lower levels. Taping is in progress on the upper levels. Terrazzo is complete on the lower level, and crews are installing it on Levels 1 and 2. The installation of the exterior stone veneer continues, as does the testing of the window and flashing system. Sheet metal flashing of the roof is about 50 percent complete. Construction should be finished in June 2008.

Danforth University Center

The mason is setting granite at the east elevation south of the northeast courtyard. The granite at the west, north and northeast courtyard is essentially complete. Window installation is 95 percent complete. Window flashing and caulking is under way. The slate is complete on the north and west elevations and continues at the southeast courtyard. Framing on the first floor and kitchen/food areas is

90 percent complete. Tiling began in the kitchen during the week of January 28. Stair installation is ongoing.

Stair 3 is almost complete. Second-floor framing and drywall are complete. Painting and millwork are under way on the second floor, as is framing for the coffered ceiling in the commons. Third-floor spray fireproofing is complete. The third-floor framing is 50 percent complete. Installation of mechanical, electric, plumbing and fire protection systems distribution continues on all three levels. Two air-handling units have been turned on and are providing temporary heat. The project is on schedule to be completed by July 2008.

Village East

Construction of the Village East Residence Hall at the corner of Forest Park Parkway and Throop Drive is progressing. Floor slabs at all levels are complete. Mechanical/electrical rough-ins are ongoing. All windows are complete except the bay windows on the north side. Drywall

installation has begun. Masonry work has started on the east side of the building. This project is scheduled for completion in August 2008.

BJC Institute of Health at Washington University

Work is under way to finish drilling piers and to start foundation walls. Steel erection is scheduled to start at the end of March, with completion of the building expected in December 2009. The design work on the core and shell is in progress, and lab centers are in final stages of design.

Genome Sequencing Data Center

The center is now under roof with expected occupancy in June. The 2,000 processors in the center will allow the sequencing of the human genome to take place in seven days, compared with the seven years it took to sequence the first human genome.

Notables

AASHE to test sustainability rating system with WUSTL's help

BY JESSICA DAUES

Students, faculty and staff throughout the United States are helping make their universities and colleges a little more "green" by instituting academic and campus programs to promote sustainability. While these efforts, ranging from the use of hybrid cars and renewable energy to the reduction of solid waste and greenhouse gas emissions, are impressive, their diversity makes it nearly impossible to objectively compare one university's progress toward sustainability with that of another.

In an effort to solve that problem, WUSTL will work with the Association of Advancement of Sustainability in Higher Edu-

cation (AASHE) in 2008 to test a pilot program, the Sustainability, Tracking, Assessment and Rating System (STARS).

STARS is designed to help colleges and universities gauge their progress toward sustainability in four main areas: governance and finance; social responsibility and community engagement; education and research; and operations.

WUSTL is one of more than 90 private and public universities, colleges and community colleges throughout the United States to participate in the test.

The STARS program is one of several comprehensive sustainability performance reporting tools being developed. But unlike the Global Reporting Initiative,

which is widely used as a corporate sustainability reporting tool, STARS is unique because it is the first tool to attempt to holistically measure sustainability efforts on college campuses, said Matt Malten, assistant vice chancellor for campus sustainability.

By providing colleges and universities with such measurements, the STARS program will seek to facilitate communication about sustainability practices and performance and assist in the creation of benchmarks and incentives in higher education.

"We are excited to use STARS to assess our sustainability performance," Malten said. "In addition to using it as a guide to establish our performance baseline, we also plan to use STARS as a

platform to help us engage and facilitate ongoing collaboration for continual sustainability improvement on our campus, with our peer institutions across the country and with our international partners.

"In short, STARS will help us confirm that we are affecting the necessary rapid global sustainability progress," Malten said.

According to Malten, WUSTL will host campus-wide forums throughout the year to solicit input from the campus and greater community on whether the proposed STARS performance categories and metrics are complete and comprehensive.

"We intend to engage the campus community in a public dialogue on this crucial issue because, ultimately, every one of us has a role to play in making our campus more sustainable," Malten said. "It is my hope that these dialogues will receive great attendance and enthusiastic participation."

In addition, an eco-footprint analysis reflecting the current state of campus sustainability — according to the selected STARS metrics — will be used to select and prioritize goals that will become part of the strategic plan for campus sustainability.

After receiving feedback from STARS schools during the pilot phase, the AASHE plans to release a finalized version of STARS in January 2009.

"The launch of the pilot phase is a major milestone in the development of STARS," said Judy Walton, AASHE's acting executive director.

"It has taken nearly two years of hard work and the contributions of hundreds of individuals from every sector of the higher education community to bring us to this point," she said.

For more information on STARS or the AASHE, visit aashe.org. For more information on the University's sustainability initiatives, visit ees.wustl.edu.

For the Record

Speaking of

Shirley K. Baker, vice chancellor for scholarly resources and dean of libraries, gave a lecture titled "Google, Libraries, and Humanities Research: The Emerging Effects of Industrial Scale Digitization" at the University of Missouri-St. Louis Nov. 12. ...

Sandor J. Kovacs, Ph.D., M.D., associate professor of medicine and director of the Cardiovascular Biophysics Laboratory, gave the Sjostrand lecture titled

"What you always wanted to know about diastolic function, but were afraid to ask!" Nov. 29 at the 200th anniversary of the Swedish Society of Medicine in Stockholm. In addition, he was awarded the Medal of the Swedish Society of Medicine by Hakan Arheden, M.D., Ph.D., president of the Society for Clinical Physiology. ...

Andrew Rouner, Digital Library director, and **Cassandra Stokes**, digital projects librarian, delivered a poster presentation "The Reclamation of Dred Scott"

at the Chicago Colloquium on Digital Humanities and Computer Science Oct. 21-22. The colloquium brings together researchers in the humanities and computer sciences to discuss current trends in digital scholarship and to explore opportunities for future research.

Rouner and Stokes discussed lessons learned from the Dred Scott Case Collection, the first significant digital library project undertaken by Washington University Libraries.

Obituaries

Loevinger, psychology professor emeritus, 89

BY GERRY EVERDING

Jane Loevinger Weissman, Ph.D., professor emerita of psychology in Arts & Sciences and one of the first in her field to study daily challenges faced by mothers and other women, died Friday, Jan. 4, at Barnes-Jewish Hospital. She was 89 and a St. Louis resident.

"Loevinger was best known for developing the Washington University Sentence Completion Test, which is a widely used measure of ego development," said Randy Larsen, Ph.D., chair of psychology in Arts & Sciences.

Her measure of character development has been used in hundreds of studies, and her work has been cited in several thousand research articles.

In 1991, she received the Henry A. Murray Award from the Society for Personality and Social Psychology for her distinguished contributions to the study of lives, and in 1993, she received the Distinguished Service to Measurement Award from the Educational Testing Service for her contributions to the field of psychometrics. She was the recipient of numerous additional honors and

awards for her contributions to the study of personality, development and assessment.

Born in 1918 in St. Paul, Minn., the daughter of a German Jewish immigrant enrolled at the University of Minnesota. Told that psychology was "too mathematical" for a woman, she immersed herself in the statistics-heavy science of psychometrics, earning a bachelor's degree magna cum laude in psychology at age 19 and a master's degree in psychometrics one year later.



Loevinger

Loevinger was then told she was not likely to find a job in her field because most available positions were with small, rural colleges that would not hire a woman or a Jew. Her chair suggested her best option was to marry a psychologist.

Undaunted, she pursued doctoral studies at the more liberal-minded University of California, Berkeley. There, she mixed intellectually with a circle of young scientists soon to be enlisted in

atomic bomb research. She married chemist Samuel Weissman and moved with him to the top-secret Manhattan Project research facility at Los Alamos.

Loevinger subsequently taught at Stanford University and at Berkeley before moving to St. Louis when her husband took a position at WUSTL as a chemistry professor.

Loevinger started teaching as an instructor in statistics at the University in the mid-1940s. She was named research associate professor of medical psychology in 1961. She became professor of psychology in 1973 and the William R. Stuckenberg Professor of Human Values and Moral Development in 1985, just three years before transitioning to emeritus.

Loevinger's husband, Sam Weissman, died in 2007. Her daughter, Judith Weissman, a professor of English at WUSTL and at Syracuse University, died in 1998. Her son, Michael Weissman, is a professor of physics at the University of Illinois at Urbana-Champaign.

A memorial service is planned for this summer at WUSTL. For information, contact the Department of Psychology at 935-6567.

Lebens, former member of engineering national council, 72

Charles A. Lebens, a past member of the School of Engineering's National Council and a pioneer in delivering investment information electronically to financial institutions, died Thursday, Jan. 10, at the Mayo Clinic in Scottsdale, Ariz. He was 72.

He served on the National Council for the School of Engi-

neering from 1992-2007 and received the University's Alumni Achievement Award in 1994 and Distinguished Alumni Award in 2000.

A St. Louis native, Lebens graduated from Washington University in 1957. He founded Bridge Data Co. in 1975. In 1985, Lebens started the Bridge University Program,

a project designed to provide universities with free access to the company's databases that students of mathematics, computer science and business could use.

Memorial contributions may be made to the Charles A. Lebens Memorial Fund, School of Engineering at Washington University, Campus Box 1082.

Campus Authors

Marin H. Kollef, M.D., Timothy J. Bedient, M.D., Warren Isakow, M.D., Chad A. Witt, M.D., editors, Department of Medicine

The Washington Manual of Critical Care

Lippincott Williams & Wilkins (2007)

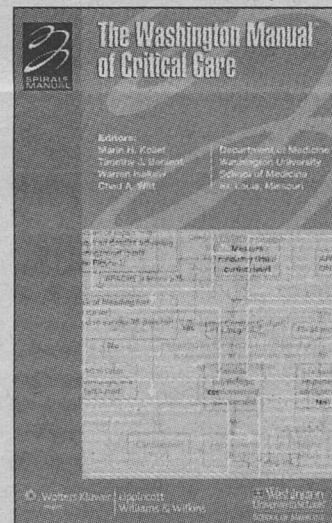
Following in the footsteps of "The Washington Manual of Medical Therapeutics," the best-selling medical text worldwide in its 32nd edition, a group of residents and attending physicians from the Department of Medicine have released "The Washington Manual of Critical Care." This first edition is designed for health-care providers who care for critically ill patients.

Spearheading the effort to create the manual were two faculty and two resident physicians: Marin H. Kollef, M.D., professor of medicine and head of the medical intensive care unit at Barnes-Jewish Hospital; Warren Isakow, M.D., assistant professor of medicine; and Timothy J. Bedient, M.D., and Chad A. Witt, M.D., senior residents in the Department of Medicine. Together, the four wrote many of the chapters and edited those written by other physicians.

The manual took nearly two years to complete and represents the combined work of 75 residents, fellows and attending physicians from the departments of internal medicine, neurology, surgery, anesthesia and obstetrics and gynecology. The manual includes treatment algorithms for more than 80 commonly encountered problems in the intensive care unit (ICU), including septic shock, acute respiratory distress syndrome, ventilator-associated pneumonia and respiratory failure, as well as chapters on common ICU procedures and equations, nutrition and pharmacology.

Kollef, Bedient, Isakow and Witt dedicated the manual to the late Daniel P. Schuster, M.D., the Virginia E. and Sam J. Gorman Chair in Respiratory Intensive Care Medicine and a professor of medicine and of radiology, who died Sept. 11, 2007.

Kollef and Bedient said the goal behind the manual was to provide physicians a concise algorithm-based tool for the



management of critically ill patients.

"The motivation for writing the manual was the complex nature of critical care medicine and the expanding body of literature on the subject in recent years," Bedient said. "There was also really no convenient critical-care text on the market. The critical care books that are out there tend to be bulky and have a lot on physiology but not much practical and specific treatment information that can be used at the bedside. We wanted to make a manual that would fit into the pocket of a white coat and provide specific evidence-based treatment guidelines."

"Given my experience with house officers, hospitalists and intensivists, it has become clear that more innovative approaches for the acquisition of medical knowledge are needed," Kollef said. "The manual represents the first real attempt at providing such a tool specific for this patient population."

Keeping with the tradition of the Washington Manual series, the critical care manual is expected to be updated every three years. The authors said they hope it will become a staple in caring for critically ill patients.

— Beth Miller

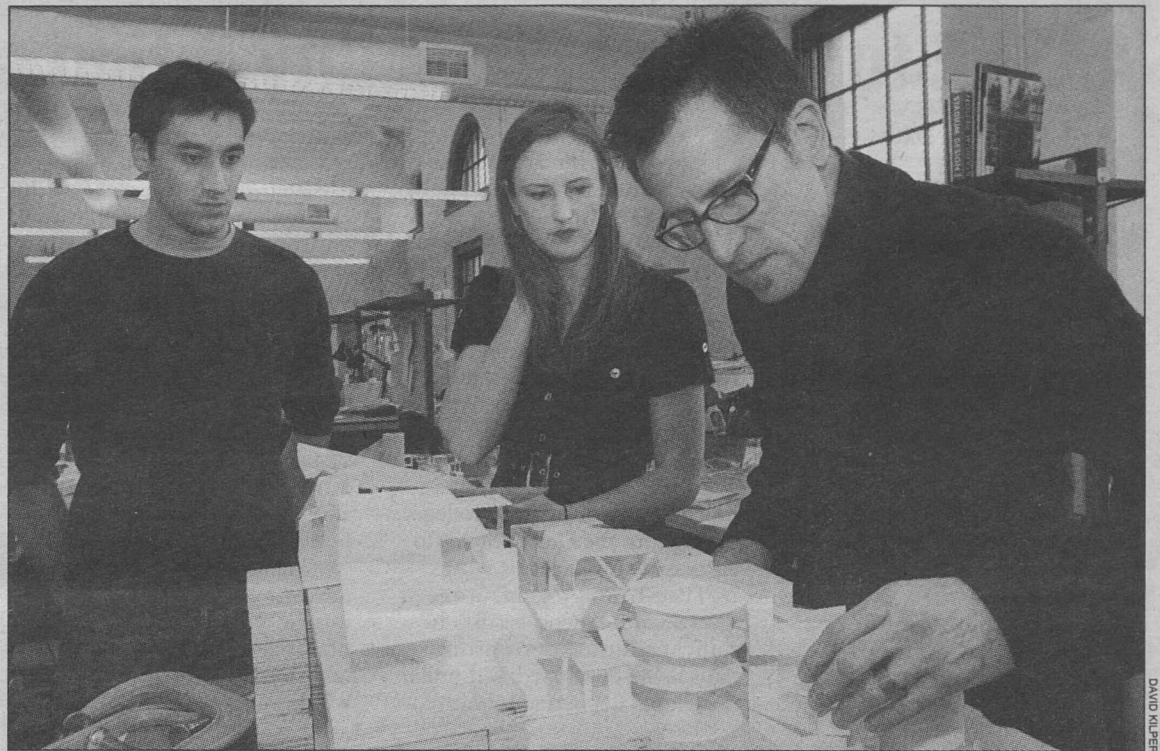
Washington People

"Sustainability is a term with growing momentum," says Bruce Lindsey, dean of the College of Architecture and the Graduate School of Architecture & Urban Design, both in the Sam Fox School of Design & Visual Arts.

"But there's also growing misunderstanding," adds Lindsey, the E. Desmond Lee Professor for Community Collaboration. "Ultimately, the environmental problems we face will not be solved through technological solutions alone. They will require a change in values, where architecture's capacity to connect us to our environment and to each other becomes imperative.

"They will require new environmental ethics, interdisciplinary perspective and radical innovation," he says.

It's a combination that in many respects mirrors Lindsey's own career. Part architect, part educator and part social advocate, over the past two decades, Lindsey has been a leading voice for modernization within the architectural profession as well as a major pro-



Bruce Lindsey (right), dean of the College of Architecture and the Graduate School of Architecture & Urban Design and the E. Desmond Lee Professor for Community Collaboration, discusses a project with Jonathan Ammon and Rebecca Rowney, both graduate students in architecture. "Bruce has a real track record of bringing people together," says Carmon Colangelo, dean of the Sam Fox School of Design & Visual Arts and the E. Desmond Lee Professor for Collaboration in the Arts. "As an artist and a practicing architect, he in many ways personifies the mission of the Sam Fox School."

By LIAM OTTEN

Architect in the community

Bruce Lindsey works to bring people together

ponent for engaging communities within the design process.

"Bruce has a real track record of bringing people together, both in his own work and as former co-director of Auburn University's acclaimed Rural Studio," says Carmon Colangelo, dean of the Sam Fox School and the E. Desmond Lee Professor for Collaboration in the Arts. "As an artist and a practicing architect, he in many ways personifies the mission of the Sam Fox School."

'It just lit me up'

Born in Geneva, N.Y., Lindsey was raised in Nampa, Idaho, a small city on the Snake River near the Bitterroot branch of the Rocky Mountains. He credits his grandfather, a Montana forest ranger, with introducing him to concepts of environmental sustainability.

"I remember him discussing managed forestry, which at the time was pretty radical," Lindsey says. Also influential were summer trips to an uncle's ranch and the raw beauty of the Pacific Northwest. "About 10 years ago, I realized how much I missed that long horizon and expansive landscape," he says. "I think the landscape of your youth becomes increasingly important as you grow older."

Lindsey began college at Boise State University, traveling the country as part of the ski team. He also developed an appreciation for the fine arts. "I'd never had art class in high school because it met at the same time as football practice," Lindsey ruefully admits. "It just lit me up."

Still, after two years, Lindsey left school to work as a carpenter. "At that point I just didn't know what I was going to do with my life," he says. He soon found work with Bonneville Investment Co., a Salt Lake City firm planning to build modular homes from foam-injected plywood panels. Though his only architectural qualification was a single drafting class, Lindsey was hired to design the prototype.

"We built about 300 ranch-style houses, a lot of them low-income, and I also designed the very first actively heated solar house in the state of Washington," he says.

After two years with Bonneville, Lindsey enrolled at the University of Utah, earning a bachelor's degree in art in 1976 and master's degrees in sculpture and photography in 1979. He then

joined R.W. Cummock & Associates, a civil engineering firm, and later collaborated with architect Scott Muir and artist Stephen Goldsmith to develop ArtSpace, a renovated Salt Lake City warehouse now housing studios and galleries.

Yet, Lindsey realized that becoming a licensed architect himself meant returning to school. In 1983, he traded in his Porsche 914 for a used pickup truck and packed his bags for Yale University, where classmates included Maya Lin, designer of the Vietnam Veterans Memorial ("I helped her get through structures," he quips) and Peter MacKeith, now associate dean of the Sam Fox School.

During his final semester, in the spring of 1986, he was recruited to Virginia Tech by legendary educator Gene Egger. Yet before heading to Blacksburg, Lindsey spent the summer back in Nampa working construction. He also met — or rather, became reacquainted with — Marilee Keys, a painter and high-school classmate of his sister's then living in Seattle.

"We'd grown up in the same small town and both studied art at Utah," Lindsey says, though Marilee also worked with Russian artist Sergei Bongart in Los Angeles. "She even caught a ride home with me one Christmas, though we'd never really hung out. Our parents actually set us up." The couple was married in December and, the following spring, moved to Pittsburgh, where Lindsey joined the Carnegie Mellon University faculty.

In Pittsburgh, Lindsey soon began an ambitious project involving the university's College of Fine Arts, a handsome Beaux Arts structure designed by architect Henry Hornbostel. Though the facade was intended to accommodate six large ornamental niches representing different periods of architectural history, only one niche was actually constructed. Lindsey, along with architect Paul Rosenblatt and art historian Richard Cleary, was chosen to complete the other five.

"We worked for two years with stone carvers from around the world," Lindsey says. Yet the project's real significance lay in its pioneering use of digital-aided manufacturing. Stone

carvers typically create full-sized drawings that serve as templates; Lindsey's team was able to plot digital templates onto thick Mylar sheets. In 1991, the project was named one of the year's 10 most influential by Engineering News-Record.

Lindsey also began overhauling Carnegie Mellon's first-year architecture program. "The biggest challenge was integrating computers," he says. "We wanted to bring digital tools into the studio, alongside drawing and model-making." In 1992, that integration earned a New Faculty Teaching Award from the Association of Collegiate Schools of Architecture (ACSA).

All the while Lindsey continued practicing professionally, designing the Piers Project, a tall viewing tower overlooking Pittsburgh's "golden triangle," and major renovations to the Society for Contemporary Craft.

In 2000, he partnered with Davis + Gannon Architects for the 17,000-square-foot Pittsburgh Glass Center, which encompassed a school, gallery and studios. Their design incorporated a number of "green building" strategies — recycled materials, natural light and ventilation, and the use of an existing structure — and earned a rare gold rating under the industry's Leadership in Energy & Environmental Design (LEED) guidelines. The American Institute of Architects (AIA) later named it a top 10 green building.

In 2001, Lindsey was appointed head of Auburn University's School of Architecture and the next year became co-director of its celebrated Rural Studio following the death of co-founder Samuel Mockbee.

"The Rural Studio was based on a radical yet simple idea: that students would build what they designed," says Lindsey, whose duties included operations, planning, fund-raising and "the maintenance of subversiveness." During his four-year tenure, the studio worked directly with local communities and residents to complete more than 35 projects, ranging from single-family homes to the country's tallest birding tower.

The environment also came to play an important role in Marilee's work, which has been exhibited at galleries and museums across the country. Using natural and recycled materials — ranging from leaves and grass to stacks of junk mail — she has created large three-dimensional "drawings" as

well as site-specific installations. In 2004, she received an Individual Artist Fellowship Grant from the Alabama State Council on the Arts.

"Marilee's work," Lindsey says, "constantly reminds me that beauty, which is a natural resource, is a part of the environment that we all share directly, and without pretense."

Building community

Lindsey arrived at the Sam Fox School in fall 2006. "The idea of bringing art and architecture together really intrigued me," he says. "We also have a strong emphasis on quality design instruction, with an eye toward students becoming effective professionals."

"A number of faculty are already doing sustainable work, though we need to gain a greater depth of experience," he says, noting that despite technological improvements, buildings still account for about half of U.S. energy consumption.

"Architects need to articulate what sustainability really means," he says. As a school, "we want to become leaders not just within the academic community, but within the professional community in St. Louis and beyond," he says.

In Lindsey's view, such leadership requires education and innovative building practices, but it also means addressing the social conditions in which architects work. "As long as we're not dealing with the inequitable distribution of resources, we're not really dealing with the core problem of sustainability," he says. "Architecture is about building community as well as buildings."

That principle is at the heart of several ongoing studios, including a student-designed chocolate factory in Ecuador and a farmer's market in North St. Louis' historic Ville neighborhood. Last year, Lindsey and Gay Lorberbaum, affiliate associate professor, launched The Alberti Program, which introduces K-12 students from nearby Wellston, Mo., to issues of architecture, design and the environment.

"We wanted to present architecture as a kind of framework in which they're able to address larger issues of community," Lindsey says.

"Young people benefit from beginning to understand how the world around them is constructed."

Bruce Lindsey

Education: B.F.A., 1976, M.F.A., sculpture and photography, 1979, University of Utah; M.Arch., 1986, Yale University

Selected awards: 2005: AIA Top Ten Green Project Award, AIA Education Honor Award; 2003: AIA Design Honor Award; 1993: Young Architects Award, Progressive Architecture Magazine; 1992: ACSA New Faculty Teaching Award; 1988: Crafts Fellowship, Pennsylvania Council on the Arts; 1983: Special Award for Urban Design, Salt Lake City

Selected publications: Re-envisioning Landscape/Architecture (2003), edited by Catherine Spellman; Digital Gehry (2001)

Family: wife, Marilee Keys