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Record

March 31, 2006

Volume 30 No. 27



Washington University in St. Louis

'Benefits Plan for the Future' unveiled by HR office

By ANDY CLENDENEN

The University's Office of Human Resources has launched a benefits initiative called the "Benefits Plan for the Future," or simply "the Plan."

"The Plan is a combination of benefit changes over a three-year period that will improve the University's cost-containment position, provide a more flexible and complete benefits program and preserve the benefit levels of current faculty and staff members," Chancellor Mark S. Wrighton said.

"I'm pleased with the leadership that Vice Chancellor Ann Prenatt and Director of Benefits Tom Lauman have brought to this important issue."

More inside

Numerous informational meetings will be held to provide further details of the University's "Benefits Plan for the Future." For a schedule, see **Page 7**.

The major objectives of the Plan are as follows:

- Address the rising costs of health insurance, tuition assistance and retirement savings plans;
- Grandfather all current benefits-eligible faculty and staff at the effective dates of the various benefit plan changes;
- Offer new tax-favored benefits like the Roth feature in the re-

tirement savings plan, health savings accounts (HSAs) and retirement medical savings accounts (RMSAs); and

• Provide a University contribution to either HSAs or RMSAs, at the election of participating faculty and staff members as an encouragement to save for the significant cost of retiree health insurance.

Implementing the Plan is a six-step process that started in July, when all of the health plans were changed from the fiscal year to the calendar year. Other changes that took effect included increasing the individual lifetime maximum for all health plans to \$2 million and establishing a monthly premium for dental-

only coverage.

The second step, which took place in January, entailed:

- Introducing a standard vision plan with exam co-pay and discount on materials;
- Increasing the primary physician office co-pay from \$15 to \$20 and specialist physician office co-pay from \$25 to \$30 for United HealthCare HMO and POS health plans;
- Increasing individual/family annual deductible from \$300/\$900 to \$500/\$1,500 for Blue Cross Excel PPO health plan;
- Adjusting the premium for Blue Cross Basic PPO health plan to reflect comparable cost and value;
- Eliminating prescription

drug benefits from retiree Medicare supplement plan (retirees pay full cost of coverage);

- Adding one year of service for faculty/staff hired or rehired after Jan. 1, 2006, and a passing-grade requirement for the employee and spouse tuition plans; and
- Adding a 10-week grace period to health- and child-care flexible spending plans.

Part three will take effect July 1, when:

- A Roth option will be offered to the retirement savings plan to allow greater tax flexibility;
- The dependent-child tuition benefit level for children of faculty/staff hired or rehired after July 1, 2006, and who attend universi-

See **Benefits**, Page 7



Saturday night fever To the delight of other students, sophomore Forrest Rogers-Marcovitz shows off his break-dancing moves at the Bayou Ball March 25 in Uncas A. Whitaker Hall for Biomedical Engineering. Sponsored by EnCouncil — the School of Engineering & Applied Science's undergraduate student council — and featuring food with a Southern flavor, the event raised more than \$1,500 for Habitat for Humanity's Gulf Coast Reconstruction for Hurricane Katrina relief.

Procedure cures some diabetes — but not as previously reported

By MICHAEL C. PURDY

Researchers attempting to reproduce a controversial 2003 mouse experiment suggestive of a cure for type 1 diabetes have found evidence that the experimental procedure does eliminate diabetic symptoms in a small fraction of the mice exposed to it.

However, School of Medicine scientists found no signs that the procedure was working in the manner reported by the group of researchers that originated it.

The WUSTL group is one of three labs that reported in the March 24 issue of *Science* on attempts to reproduce the earlier experiment. All three independently found no evidence of a key claim of the earlier study: Cells injected from the spleens of healthy mice had formed new insulin-producing beta cells in the diabetic mice, a finding that created hope that the approach might be used to cure diabetes in humans.

"We showed that various immunological processes had rejected the injected cells," said senior author Emil R. Unanue, M.D., the Mallinckrodt Professor of Pathology and Immunology. "In the mice who were cured, we found no evidence linking restoration of beta cell function to the spleen cell injections."

Researchers are following up on the study with new experiments designed to determine how the mice were cured.

"It's a positive thing that four of 22 mice recovered beta cell function, and we're investigating where that recovery of beta cell function came from," said lead author Anish Suri, Ph.D., a research assistant professor of pathology and immunology in Unanue's lab. "Conceivably, controlling the autoimmune response in patients with early diabetes may allow for recovery of some beta cell function and a degree of reversion of the diabetic process."

As in the 2003 experiment, researchers performed their studies in female mice from the NOD mouse strain, which develops dia-

betes in a manner very similar to human type 1 diabetes mellitus. Between the ages of 20-30 weeks, immune system cells in the mice begin attacking beta cells in the pancreas, leading to death of the cells and onset of diabetic symptoms such as hyperglycemia, or abnormally high blood-sugar levels.

Following the procedures developed for the prior study by Harvard University researcher Denise L. Faustman, WUSTL scientists gave the mice injections of a solution called complete Freund's adjuvant (CFA) that contains water, oil and portions of dead

bacteria. Scientists had previously established that such injections stop immune attacks on beta cells.

Researchers also gave the mice repeated large injections of spleen cells

from healthy male mice. Faustman's group has hypothesized that the spleen is erroneously promoting the survival and reproduction of immune cells that attack beta cells; they theorize that injections of spleen cells from healthy mice will help reset this dysfunctional selection mechanism.

Finally, scientists took islets, structures in the pancreas containing insulin-producing beta cells, from healthy mice and transplanted them into one of the diabetic mice's kidneys.

The experimental procedures began when the mice first became hyperglycemic, indicating that a substantial portion of their beta cells had died as a result of immune assault. In 22 of 53 mice, the injections and the transplant restored normal blood-sugar levels.

Scientists followed these mice for at least 120 days, continuing to give them spleen cell injections. Then they removed the kidney with the transplanted islets.

This caused 18 of the 22 mice to revert to hyperglycemia and di-

See **Diabetes**, Page 6



Unanue

Collaboration, computers changing the nature of modern mathematical proofs, Krantz says

By TONY FITZPATRICK

A Missouri mathematician believes that the state's moniker has great bearing on the status of modern mathematical proofs: Show Me.

Steven Krantz, Ph.D., professor of mathematics in Arts & Sciences, said it is becoming more difficult to verify proofs today and that the concept of the proof has undergone serious change over the course of his 30-plus-year career.

A proof is a finalized set of statements claiming to solve a problem. Today, many mathematical papers claiming proof of a solved problem often are posted on a non-peer-reviewed, preprint server called "arXiv," located at Cornell University and approved by the American Mathematical Association.

"I think that arXiv is a great device for dissemination of mathematical work," Krantz said. "But it is not good for archiving and validation. The reason that arXiv works so well is that there is no refereeing.

You just post your work and that is it.

"Furthermore, those interested in certain subject areas are automatically notified of new postings. The work gets out there quickly, and it's free. Everybody has access to arXiv. But there is no peer review.

"Publishing is a process that involves vetting, editing and several other important steps. We must keep that issue separate from dissemination. And dissemination is important in its own right. But it's a separate issue."

Krantz said several factors have contributed to the altering of a concept that had been relatively static since the time of the ancient Greeks.

"The traditional concept of the proof is that it is something put on paper that has been vetted, verified and confirmed by one's peers," Krantz said. "We're seeing less and

less of this today because of increased computer usage and multidisciplinary collaborations on mathematical problems.

See **Proofs**, Page 6



Krantz

Health & Wellness Center named after Habif family

By BARBARA REA

As young adults, university students learn to master far more than academic subjects; they also learn how to live independently and make individual decisions, especially regarding their health and lifestyle.

As parents of a current WUSTL student and two graduates, Linda and David Habif know that experiences with health and wellness issues during these formative college years play a significant role in establishing future health habits. The Habifs feel so strongly about the need for comprehensive health services at the University that they have made it their priority to support new health and wellness programs and facility upgrades.

The Linda Johnston Habif Society has already been established to recognize the Habifs and all alumni, parents and friends who support health promotion and wellness for WUSTL students. Now, the University is recognizing the family's longstanding commitment and support by naming its new facility the Habif Health & Wellness Center.

This semester, the Habif Health & Wellness Center opened on the garden level of Forsyth House at the corner of Big Bend Boulevard and Shepley Drive. For the first time, all health and wellness services are located under one roof.

Student medical and mental-health treatment had been provided at Student Health Services in Umrath Hall, and Health Promotion Services was in the Women's Building.

With the opening of the new facility, Chancellor Mark S. Wrighton said, "I am pleased to announce the creation of a new, expanded medical and counseling space to address the health needs of generations of students. The new facility is dedicated to the enhancement of the health and wellness of each student and the entire Washington University community.

"The impact of the Habifs' support is truly remarkable in scope. I am very grateful to Linda and David Habif for their generosity and their concern for our students. This remarkable commitment to support our students begins a new chapter in encouraging healthy lifestyles for our students."

Alan I. Glass, M.D., the center's director, explained that the Habif Health & Wellness Center is designed to optimize its physical space to benefit and support all students.

"We're thrilled to have the opportunity to work out of a beautiful state-of-the-art facility," Glass said. "We've always practiced qual-

ity medicine, but I know that we're going to do an even better job in this new facility.

"All staff members in the areas of primary care, mental-health care and the promotion of health and wellness are in the same space for the first time in our history. This creates beneficial collaborations and professional efficiencies that we need to perform at the best level of our abilities."

Highlights of the new center include:

- Having a prominent physical presence where many undergraduate students live and easy accessibility for those who do not;
- Full accessibility for students with disabilities;
- An enhanced triage area;
- A complete women's health suite; and
- New dispensary space.

With a focus on privacy, the center also provides the first shared waiting room for medical and mental-health patients for any university of comparable size. The shared waiting room is revolutionary because it gives equal focus to mental- and physical-health patients.

Knowing that access to and education about health care is directly related to academic success, the Habif Health & Wellness Center concentrates on outreach to students. The Health Promotion and Prevention staff provides information on nutrition, fitness and recreation, safety, sleep patterns and stress management.

The Habif Health & Wellness Center serves all full-time undergraduate and graduate students, as well as any spouses or domestic partners of those students who enroll in the University health plan.

A formal dedication of the new facility will take place over Parents Weekend in October.

The Habif family's relationship with the University began in 1993 when their daughter, Stephanie, came here as a freshman in the College of Arts & Sciences. Their other daughter, Meredith, followed two years later, enrolling in the Olin School of Business. Stephanie graduated in 1997 and Meredith in 1999.

Their son, David, is now a freshman in Arts & Sciences.

David Habif, M.D., retired director of the Teaneck, N.J., Radiology Center, serves on the University's Board of Trustees and on the National Council on Undergraduate Experience. He also served as a leader of the University's Regional Cabinet in northern New Jersey.

Both David and Linda have a long and active association with the University's Parents Council and previously served as the council's co-chairs. The Habifs reside in Sarasota, Fla.

United Way Campaign falls just short of reaching record goal

By ANDY CLENDENEN

For the first time in several years, the University's United Way Campaign goal was not reached — the contributions fell short by the slimmest of margins.

The goal was set at \$535,000, the highest in school history. Money raised as of March 24 totaled \$533,022 — less than \$2,000 short.

"The Washington University community continued to be very generous in its financial support of the United Way, even though some of our faculty and staff were feeling the strain of assisting family members directly impacted by Hurricane Katrina and all are experiencing increased expenses due to this devastating storm," said Ann B. Prenatt, vice chancellor for

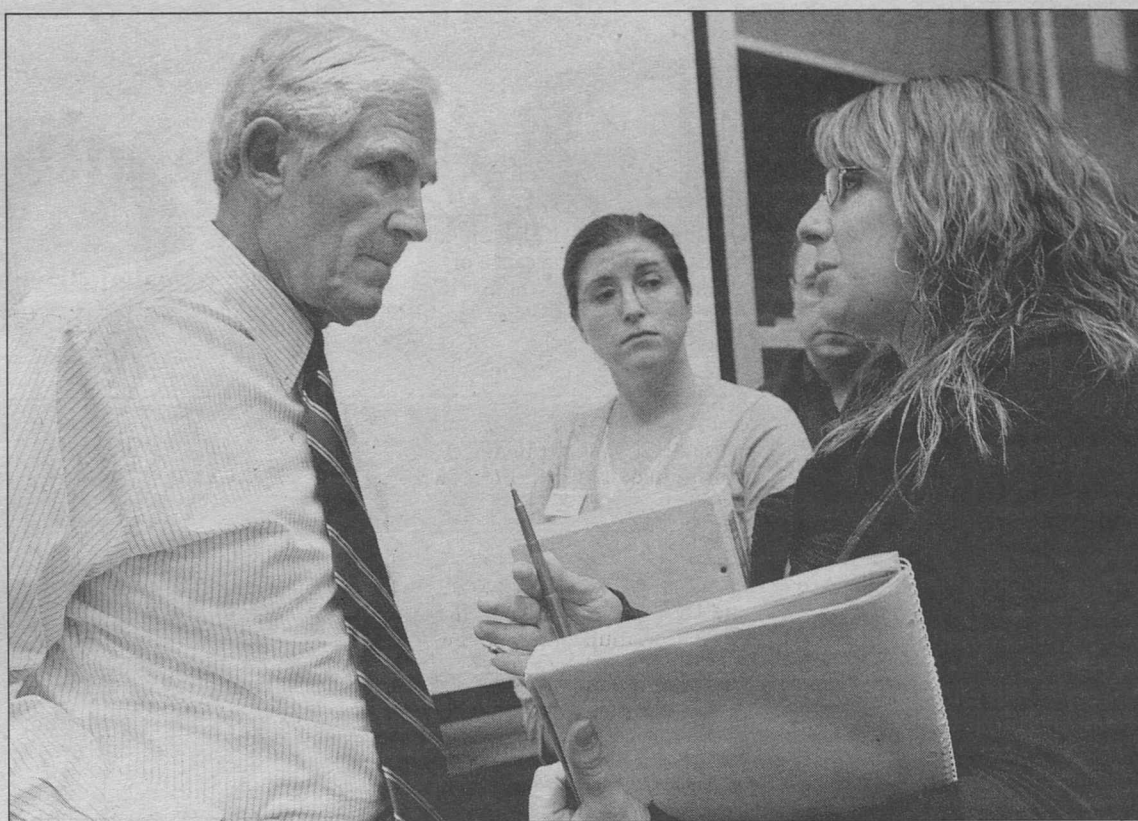
human resources.

"We continue to be grateful to those who consistently pledge and to those who pledged for the first time."

The United Way of Greater St. Louis is one of the more active — and successful — campaigns in the nation.

Fully 93 percent of contributions to the United Way of Greater St. Louis goes directly to providing services for people in the community, the highest rate in the country for any United Way chapter raising \$25 million or more.

"Our campaign co-chairs have once again done a terrific job of managing this campaign and educating colleagues about the great work accomplished by the United Way of Greater St. Louis," Prenatt said.



M.B.A. student Marla Rappaport (right) talks with Charles F. Knight after the first meeting of the Olin School of Business course "Creating Exceptional Value: Performance Without Compromise" March 20 in Simon Hall. Knight, chairman emeritus of Emerson, is teaching the course and has enlisted several "celebrity" chief executive officers to guest-lecture.

All-star CEOs lend their perspectives as they help Knight teach M.B.A. class at Olin School

By SHULA NEUMAN

Like all the schools at the University, the Olin School of Business is always eager to have area executives teach a class. But when Charles F. Knight, chairman emeritus of Emerson, stepped up to co-teach an M.B.A. course, the school got much more than it bargained for.

"This must be the most unusual design of a course," Anjan Thakor, Ph.D., senior associate dean and the John E. Simon Professor of Finance, told the class at its first meeting. "From planning, to creating content, to executing the idea, nothing about this course has followed the normal routine. I think you'll find the experience most interesting."

The course, "Creating Exceptional Value: Performance Without Compromise," covers topics you would expect in a business school. But this is no ordinary class. It touches upon the business challenges that correspond closely with the new themes that define the new direction of the Olin School.

"The class represents how Olin is redefining the focus and identity of its degree programs," Thakor said. "Our pedagogy will use experiential learning to develop leadership skills in a global setting."

"The curriculum will be distinguished by analytical rigor and the use of creativity and innovation for unstructured problem solving."

The unusual part is that Knight enlisted several "celebrity" chief executive officers to take part in teaching the course, so as to provide a variety of perspectives by heralded business leaders from a variety of industries. The guest lecturers include:

- Jack Welch, retired chairman and CEO of General Electric;
- Louis Gerstner, retired chairman and CEO

of IBM;

- Larry Bossidy, retired chairman and CEO of Honeywell International Inc.;
- David Farr, CEO of Emerson; and
- August Busch III, chairman of Anheuser-Busch Cos.

"These guys are probably the smartest people you will ever meet in your life," Knight said to students. "If we don't have fun in this class and learn a ton, we never will."

To say that the class was a popular elective is an understatement. All 78 spots in the class filled quickly. In addition to the M.B.A. students who met the requirements for the class, two undergraduates are enrolled.

To accommodate the heightened student interest — and to share the valuable opportunity with the Olin School's alumni — all of the CEO lectures are being simulcast into May Auditorium in Simon Hall. On March 20, the first day the class met, more than 120 alumni, students and other faculty in the auditorium heard Knight's inaugural lecture.

Recent alumnus Jack Benecke got out of work early to attend the 4 p.m. class. He said attending it is an extension of his education at the Olin School.

"As a young business professional, I couldn't pass up the chance to get the benefit of learning from the best about the challenges they faced growing their businesses," Benecke said, adding that he was impressed that the Olin School was offering such a class.

"For the school to be able to do something at this scale and to have so many powerful business executives is unique. St. Louis doesn't often get the academic recognition other cities have. This class is one way to change that reputation."

Black Enterprise magazine head Graves to give MLK lecture

By NADEE GUNASENA

African-American entrepreneur Earl G. "Butch" Graves Jr. will deliver the Martin Luther King Jr. Memorial Lecture, titled "The Media History and Portrayal of Black America," at 11 a.m. April 5 in Graham Chapel.

In 1998, Graves became chief operating officer and president of the Earl G. Graves Publishing Co., responsible for publishing *Black Enterprise* magazine. This transition marked a new generation of leadership for the family-owned company.

Black Enterprise advocates for the establishment and success of minority-owned enterprises. It was started in 1970 by Earl G. Graves Sr. to provide readers with information on African-American business markets, financial management, entrepreneurship and careers.

Over the years, it has become the premier business news source for African-Americans, reaching about 3.7 million readers worldwide and earning nearly \$60 million in annual revenue. It has been awarded the FOLIO: Editorial Excellence Award for Busi-

ness/Finance three times since 1997.

Graves joined the magazine in 1988 as the vice president of advertising and marketing and has worked to transform the company into a multimedia conglomerate. He initiated ventures into broadcast media with a nationally syndicated television show called *The Black Enterprise Report*.

He also helped the company expand with a radio show and a popular Web site, *blackenterprise.com*.

Additionally, Graves created the concept of the company's \$1 million private-equity firm, which provides support and investments to many minority-owned business.

Graves earned a bachelor's degree in economics from Yale University in 1984.

During his college career, he also distinguished himself as a four-year starter and captain of the basketball team. After he became the school's all-time leading scorer and the second-leading scorer in Ivy League history, he

enjoyed a brief career with the NBA's Philadelphia 76ers, Milwaukee Bucks and Cleveland Cavaliers.

He later returned to school to earn a master's degree in business administration from Harvard University.

During his business career, Graves has been the recipient of multiple awards and honors, including induction into the American Advertising Federation (AAF) Hall of Achievement. He also received the AAF Jack Averett Volunteer Spirit Award.

Graves serves on a number of nonprofit boards, including the Magazine Publishers of New York, the Thurgood Marshall Scholarship Fund and the Michael J. Berkeley Foundation.

He is the newly appointed director to the board of Auto-Zone Inc.

His lecture is co-sponsored by the Association of Black Students. Assembly Series talks are free and open to the public. For more information, call 935-4620 or go online to assemblyseries.wustl.edu.



Graves

School of Medicine Update

Program to eliminate elephantiasis has early success

By MICHAEL C. PURDY

Researchers from the School of Medicine and Ain Shams University in Egypt found that rates of filarial infection, which can lead to disfiguring elephantiasis, sharply declined in Egypt after five years of annual mass treatments with two drugs.

The results, part of a 20-year global effort to eliminate the parasitic infection that is a leading cause of disability, were published in the March 25 issue of *The Lancet*.

"The parasite's transmission efficiency is low, so the thinking is that once we get human infection rates below a critical level, remaining infections will die out without further intervention," said senior author Gary Weil, M.D., professor of medicine and of molecular microbiology. "Our assessments suggest that the Egyptian campaign to eliminate these infections, which was implemented by the Egyptian Ministry of Health and Population, has achieved its goals in most areas of the country."

Filarial worms are nematodes closely related to the heartworm parasites that infect dogs and cats. Infections with the worms, which are spread by mosquitoes, can lead to lymphatic filariasis, a condition where the worms lodge in lymphatic vessels. This triggers inflammation that blocks the drainage normally provided by the lymphatic system and leads to massive swelling of the legs, known as elephantiasis, and genital deformities, which are called hydroceles.

"In addition to causing disability, the disfigurement created by elephantiasis is often a source of great social stigmatization," Weil said.

Epidemiologists estimate 120 million people are infected with filarial worms in 83 tropical countries. Of those infected, about 40 million have clinical symptoms. As many as 1.2 billion people are at risk of infection with the parasites, which can live and reproduce for several years inside the human body.

According to the World Health

Organization (WHO), lymphatic filariasis is a leading cause of chronic disability in the world.

Policymakers at World Health Assembly meetings in 1997 endorsed filariasis as a candidate disease for global elimination for several reasons: the worms that cause the disease are inefficiently transmitted, they are not known to infect any species other than humans and mosquitoes, and they are vulnerable to three drugs: albendazole, ivermectin and DEC (diethylcarbamazine).

"The manufacturers of the first two drugs later generously decided to donate the medicines to the global program," Weil said. "The third medicine is not free but is very inexpensive."

The assembly passed a resolution calling for the elimination of filariasis by 2020. The strategy the WHO chose for eliminating the parasite is called mass drug administration (MDA).

"In regions where the parasite is known to be present, you annually give two medications that kill the worms," Weil said. "With the exception of pregnant women and children under 2 years of age, these drugs are given to everyone in the region without testing each person for the infection."

Planners estimated that five annual repetitions of the MDA program would be needed to drive parasite infection rates down to levels where the few remaining infections would die off on their own. Egypt became one of the first countries to start a five-year MDA program in 2000, working to reach 2.5 million people in 181 Egyptian localities affected by lymphatic filariasis.

Working in collaboration with colleagues at WUSTL including William D. Shannon, Ph.D., associate professor of biostatistics, and researchers at Ain Shams, Weil developed a plan for assessing the degree to which the Egyptian MDA program was successful. Using several different tests, some of which were developed in Weil's lab, Egyptian scientists annually assessed infection rates during the MDA program in two villages north of Cairo and two

The tests revealed sharply declining infection rates over the course of the MDA program. For example, tests of first-graders for an antibody that reveals prior exposure to the parasite declined from 18.2 percent positive prior to MDA to 0.2 percent positive after the fifth round of MDA.

villages south of Cairo. Each village has a population of 3,000-5,000.

The tests revealed sharply declining infection rates over the course of the MDA program. For example, tests of first-graders for an antibody that reveals prior exposure to the parasite declined

from 18.2 percent positive prior to MDA to 0.2 percent positive after the fifth round of MDA. A test for infection in mosquitoes also showed infection rates plummeted after MDA.

Assessment of the Egyptian campaign's results was funded as a part of the International Col-

laborations in Infectious Diseases Research (ICIDR) program at the National Institutes of Health.

Weil recently received an ICIDR grant for an added \$5 million over five years for a larger program to assess and follow up filariasis elimination in Egypt.

Weil noted that the filariasis elimination program, which is now coordinating MDA treatments in 35 nations, has to confront a diverse array of economic, cultural and logistical obstacles.

"The world faces many challenges in bringing this kind of MDA campaign to the 83 nations where the parasite is present, but this first assessment of a completed five-year MDA program is very encouraging."



Weil



Up and over Kerri Morgan (left), instructor in occupational therapy, helps master's student Elaine Lageman negotiate a curb in a wheelchair at the Enabling Mobility Center in University City. Looking on (from left) are Stephanie Foreman, a teaching assistant and doctoral student, and master's student Teresa Robertson. The students were learning how to use different mobility devices, including walkers, canes, scooters and the IBOT wheelchair.

Patients wanted for studies of polycystic kidney disease treatment

By GWEN ERICSON

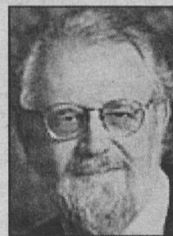
Small-scale preliminary trials suggested that careful control of blood pressure could possibly delay or even prevent kidney failure in patients with polycystic kidney disease (PKD), which affects more than 600,000 people in the United States.

Now the National Institutes of Health and the PKD Foundation have launched two large-scale national trials, called the HALT-PKD (Halt Progression of PKD), to see if the combination of two blood-pressure drugs will work better than one in slowing the progression of the disease.

The trials are open to volunteers who have autosomal dominant PKD, the most common form.

The Division of Biostatistics at the School of Medicine will serve as the coordinating center for the studies and will be responsible for organizing, documenting and reporting on the trials, according to J. Philip Miller, coordinating center director, professor of biostatistics and director of the Biostatistics Core for the Siteman Cancer Center.

Autosomal dominant PKD is an inherited disorder that can be passed on to a patient's children if



Miller

they inherit a single copy of the abnormal gene, giving each child a 50 percent chance of inheriting PKD. The disease causes numerous cysts to form in the kidneys that contribute to development of high blood pressure and aneurysms. About half of autosomal dominant PKD patients eventually experience kidney failure and require dialysis or a kidney transplant.

"Not only does the patients' high blood pressure have an adverse effect on their kidneys, but it also leads to cardiovascular complications, which cause most deaths in patients with PKD," Miller said. "These studies aim to find out if we should treat hypertension in PKD patients with standard treatments or if we should be more aggressive in reducing blood pressure."

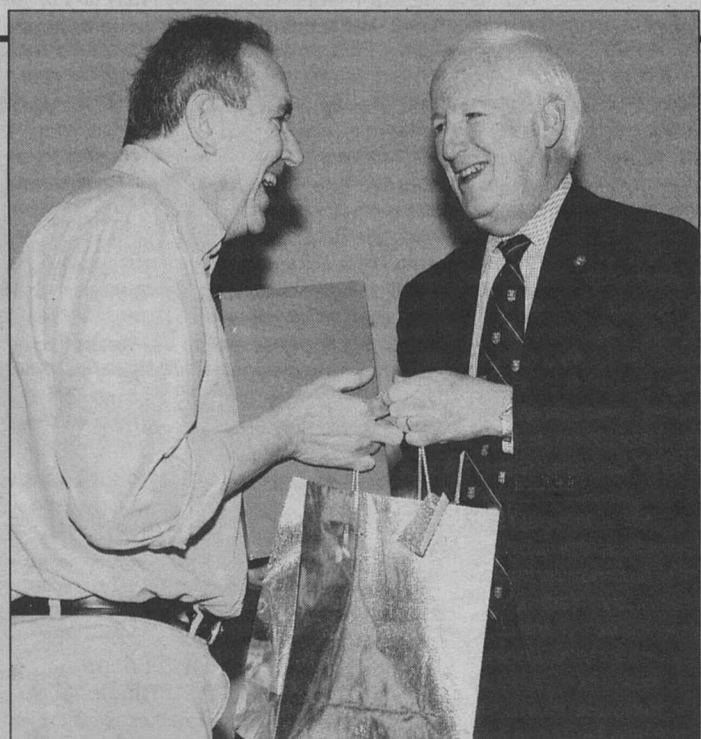
The trials will compare therapy with an angiotensin-converting enzyme (ACE) inhibitor, a traditional medication for reducing blood pressure, to more intensive therapy that uses both an ACE in-

hibitor and an angiotensin receptor blocker (ARB), a newer agent shown to lower blood pressure in many patients. One trial includes patients at an early stage of PKD while the other focuses on patients with more advanced disease.

Researchers will recruit more than 1,000 patients for the trials and treat patients for up to four years. Patients will take home a device for measuring blood pressure, and all medications will be free. Kidney function will be checked with standard blood tests, or in cases where kidney function is not yet affected, cyst development will be measured with magnetic resonance imaging (MRI) scans.

The MRI techniques for monitoring the progression of PKD were developed at the School of Medicine.

PKD patients may volunteer by contacting the School of Medicine's HALT-PKD coordinating center at 362-1318 or e-mailing project manager Robin Woltman at robinw@wubios.wustl.edu. Patients will be referred to one of the seven participating centers, which are in Atlanta; Boston; Cleveland; Denver; Kansas City, Mo.; and Rochester, Minn.



Well done Ed Walter (left), a librarian at the Bernard Becker Medical Library, receives a gift and a smile from Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and School of Medicine dean, in recognition of his 35 years of service at the medical school. Joyce Fitch also received an award for 35 years of service. Walter, Fitch and more than 70 other employees were honored for their years of service at the Central Administration Recognition Luncheon at the Eric P. Newman Education Center.

University Events

Doug Varone & Dancers coming to Edison Theatre

By LIAM OTTEN

Doug Varone, an eight-time Bessie Award-winner who is among the most acclaimed choreographers of his generation, is bringing his renowned company, Doug Varone and Dancers — now entering its 20th year — to Edison Theatre for performances March 31-April 2.

Shows, sponsored by Dance St. Louis and the Edison Theatre OVATIONS! Series, will begin at 8 p.m. today and April 1 and at 2 p.m. April 2.

Long considered a "choreographer's choreographer," Varone captures the nuances of human interaction in works of extraordinary physical daring and vivid musicality. Over the years he has developed a body of work that has been hailed by critics as "among the most compelling in the contemporary repertory."

"Doug Varone is that rare choreographer with a gift for expressing emotion through dance," *The New York Times* wrote. "He has a company of daredevils, profoundly human superhumans who dance on a dime — wheeling, darting and slicing the air at lethal-looking speeds."

Varone has choreographed work for the concert stage as well as for opera, Broadway, regional theater, film and television.

The company has toured extensively throughout the United



Doug Varone and Dancers will perform at Edison Theatre March 31-April 2. Known as a "choreographer's choreographer," Varone captures the nuances of human interaction in works of extraordinary physical daring and vivid musicality.

States, Europe and Asia, performing regularly at the Tokyo, Jacob's Pillow and American Dance festivals, and at pre-eminent venues such as The Joyce Theater in New York; The Kennedy Center in Washington, D.C.; Queen Elizabeth Hall in London; and the Stanislavsky Theater in Moscow.

Varone has won more than 20 commissions from many of the nation's leading dance presenters. Other honors include three Na-

tional Dance Project Awards and the American Dance Festival's Doris Duke Award for New Work.

The Edison Theatre program will open with Varone's signature, 28-minute "Rise" (1993), set to John Adams's jazzy "Fearful Symmetries." The piece begins as a series of duets that soon spiral into trios and larger, more intricate groupings, gathering speed and power as the piece approaches an explosive climax.

a pair of duets, one for two men, one for a man and a woman.

"I'm drawn to the lushness of the score," Varone told *Dance Magazine* on the occasion of "Castles" premiere. "There are hints of fairy tales — you might quickly glimpse four white mice — but all within a contemporary context."

Edison Theatre programs are made possible with support from the Missouri Arts Council, a state agency; the Regional Arts Commis-

sion, St. Louis; and private contributions.

Dance St. Louis is presenting Doug Varone and Dancers as part of its 40th anniversary season. From the time Dance St. Louis was founded in 1966 by a small group of dance enthusiasts headed by Annelise Mertz, then-WUSTL professor of dance, the organization has burgeoned into one of the St. Louis area's cultural treasures and a national dance landmark — a dance-only presenter, one of only six organizations in the United States that specialize every year in a complete fall-to-spring season of dance.

Dance St. Louis is a funded member of the Arts and Education Council of Greater St. Louis, and receives support from the Missouri Arts Council, the Regional Arts Commission and the Heartland Arts Fund — a joint venture of Arts Midwest and Mid-America Arts Alliance, the National Endowment for the Arts and other sources.

Tickets are \$28; \$24 for seniors and WUSTL faculty and staff; \$18 for students and children. Tickets are available at the Edison Theatre Box Office (935-6543), the Dance St. Louis Box Office (534-6622; 3547 Olive Blvd., Suite 301), the Dance St. Louis Web site (dancestlouis.org) and through MetroTix (534-1111).

For more information, call 935-6543.

Colliding Black Holes • The Bizarro World of Angiogenesis • Programming a Pore

"University Events" lists a portion of the activities taking place March 31-April 13 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

Black Caucus of the American Literary Association Literary Awards 2006. Through March 31. Olin Library Lobby. 935-6626.

Celebrating 100 Years of Federal Information. Through March 31. Olin Library, Grand Staircase Lobby and Ginkgo Reading Rm. 935-6569.

Friday, April 7

Visual Poetry. Olin Library, Grand Staircase Lobby and Ginkgo Reading Rm. 935-5495.

5-7 p.m. Sam Fox School Core Show Opening Reception. Bixby Hall. 935-9347.

6-8 p.m. Sam Fox School Digital Imaging & Photography Exhibition. Des Lee Gallery, 1627 Washington Ave. 935-9347.

Film

Friday, March 31

8 p.m. Italian Film Festival. *Manuale D'amore* (Manual of Love). Giovanni Veronesi, dir. Brown Hall, Rm. 100. 422-3102.

Saturday, April 1

8 p.m. Italian Film Festival. *Buongiorno, Notte* (Good Morning, Night). Marco Bellocchio, dir. Brown Hall, Rm. 100. 422-3102.

Wednesday, April 5

7 p.m. Japanese Film Series. *The Twilight Samurai*. Yoji Yamada, dir. Sponsored by Asian & Near Eastern Languages & Literatures. Busch Hall, Rm. 100. 935-5110.

Friday, April 7

6 & 8:30 p.m. Travel Lecture Series. *Fiji*. Rick Howard, dir. Graham Chapel. 935-5212.

8 p.m. Italian Film Festival. *Il Fuggiasco* (The Fugitive). Andrea Manni, dir. Brown Hall, Rm. 100. 422-3102.

Saturday, April 8

8 p.m. Italian Film Festival. *La Vita Che*

Vorrei (The Life That I Want). Guiseppe Piccioni, dir. Brown Hall, Rm. 100. 422-3102.

Wednesday, April 12

7 p.m. Japanese Film Series. *The Beast and the Beauty*. Lee Gye Byeok, dir. Sponsored by Asian & Near Eastern Languages & Literatures. Busch Hall, Rm. 100. 935-5110.

Lectures

Friday, March 31

8:30 a.m.-6:30 p.m. St. Louis Symposium on German Literature & Culture. "After the Digital Divide? German Aesthetic Theory in the Age of New Media." (Continues 8:30 a.m.-5:30 p.m. Apr. 1.) For locations and to register: 935-5106.

9 a.m. School of Law "Access to Justice" Public Interest Law Speakers Series. "A Rebellious Vision of Community Problem Solving." Gerald López, prof. of clinical law and dir., Center for Community Problem Solving, New York U. Anheuser-Busch Hall. 935-6419.

9 a.m.-5 p.m. Women and Gender Studies Conference. "Global Feminisms: The Role of Women in Building States and Societies." Continues April 1. 935-5102

Noon. Cell Biology & Physiology Seminar. "Cooperative Interactions That Transform Human Cells." William C. Hahn, asst. prof. of medicine, Dana Farber Cancer Inst., Harvard U. Co-sponsored by the Dept. of Molecular Biology & Pharmacology, McDonnell Medical Sciences Bldg., Rm. 426. 362-7437.

12:30-4:30 p.m. St. Louis STD/HIV Prevention Training Center Course. "STD Clinician." Cost: \$125. For location and to register: 747-1522.

Monday, April 3

Noon. Molecular Biology & Pharmacology Seminar. "Mechanisms of Spontaneous Firing in Central Neurons." Bruce P. Bean, prof. of neurobiology, Harvard U. South Bldg., Rm. 3907, Philip Needleman Library. 747-3339.

Noon. Work, Families, and Public Policy Brown Bag Seminar Series. "Are Families Efficient?" Robert A. Pollak, Robert E. Herreich Distinguished Professor of Economics. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Immunology Research Seminar Series. "Imaging Antigen Presentation Dynamics in Situ." Mark Miller, asst. prof. of pathology & immunology. Moore Aud, 550 S. Euclid Ave. 362-2763.

5 p.m. Historia Medica Lecture Series on the History of Medicine. Estelle Brodman Lecture. "Eighteenth Century Perspectives

on Language, Mind and Brain From the Writings of Jonathan Swift." Marjorie Lorch, senior lecturer, Birckbeck College, U. of London. Becker Medical Library, Lvl. 7, Kenton King Center. 362-4236.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar. "Mechanisms for Complex Atrial Conduction Disturbances Generated Near Premature Stimuli Sites in Aging Human Bundles." Madison Spach, James B. Duke Professor of Pediatrics Emeritus, Duke U. (5 p.m. refreshments.) Whitaker Hall, Rm. 218. 935-7887.

7 p.m. Sam Fox School Architecture Lecture Series. William Valentine, chairman and design principal, HOK Architects. Steinberg Hall Aud. 935-9347.

Tuesday, April 4

Noon. Jewish Medical Ethics Lunch & Learn. "Discuss the Contemporary Application of Jewish Tradition." Rabbi Hershey Novack, Chabad on Campus. Farrell Learning & Teaching Center, Rm. 203. 721-2884.

Noon. Molecular Microbiology & Molecular Biophysics Seminar Series. "Exploitation of the Host Actin Cytoskeleton by Bacterial and Viral Pathogens." Matthew Welch, assoc. prof. of cell and developmental biology, U. of Calif.-Berkeley. Cori Aud., 4565 McKinley Ave. 362-8873.

5:30 p.m. Biochemistry & Molecular Biophysics Evening Seminar. "Programming a Pore: The Biophysics of Initiating Apoptosis." Paul Schlesinger, assoc. prof. of cell biology & physiology. Cori Aud., 4565 McKinley Ave. 362-4152.

Wednesday, April 5

11 a.m. Assembly Series. Martin Luther King Jr. Memorial Lecture. "The Media History and Portrayal of Black America." Earl Graves Jr., pres. and chief executive officer, Graves Publishing Co. Graham Chapel. 935-4620.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Proteins in Action: Dynamics During Catalysis and Signaling." Dorothee Kern, assoc. prof. of biochemistry, Brandeis U. Cori Aud., 4565 McKinley Ave. 362-4152.

4 p.m. Center for New Institutional Social Sciences Speaker Series. Lesley Sharp, assoc. prof. of anthropology, Barnard College. (Also noon April 6.) Eliot Hall, Rm. 300. 935-5068.

4 p.m. Physics Colloquium. "Numerical Simulations of Colliding Black Holes." Edward Seidel, dir., Center for Computation and Technology, La. State U. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

7 p.m. Chabad on Campus Mysticism Lecture Series. Rabbi Hershey Novack, Chabad on Campus. Simon Hall, Rm. 105. 721-2884.

7 p.m. Sam Fox School Visiting Artist Lecture Series. Nancy Friese, artist. Steinberg Hall Aud. 935-9347.

Thursday, April 6

Noon. Center for Health Policy Brown Bag Seminar Series. Donald Nichols, asst. prof. of economics. Simon Hall, Rm. 241. 935-9108.

3 p.m. Academic Women's Network Seminar. "Following the Yellow Brick Road (Map): Opportunities for Making Good on the Promises of Biomedical Research." Donna Dean, sr. science adviser, Lewis-Burke Associates. (Reception follows, Farrell Teaching & Learning Center, Lvl. 2 Hearsh Room.) Cori Aud., 4565 McKinley Ave. 747-4233.

3 p.m. Physics Theory Seminar. "Plasma Instabilities and Quark-gluon Plasma Equilibration." Peter Arnold, assoc. prof. of physics, U. of Va. (2:30 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

4 p.m. Center for the Study of Ethics & Human Values Discussion. "Controversies in Living Donor Transplantation: Is It Okay to Be My Brother's Keeper?" David Currier Cronin II, associate prof. and dir. of liver transplantation, Yale U. Farrell Learning & Teaching Center. 935-9358.

4 p.m. History Colloquium. "Rachele and Her Loves: Marriage and Divorce in a Revolutionary Age." Lois Dubin, assoc. prof. of religion & Biblical lit., Smith College. Duncker Hall, Rm. 201, Hurst Lounge. 935-5450.

4 p.m. Ophthalmology & Visual Sciences Seminar. "The Bizarro World of Angiogenesis." Jayakrishna Ambati, assoc. prof. of ophthalmology & visual sciences, U. of Ky. Maternity Bldg., Rm. 725. 362-1006.

Friday, April 7

Noon. Cell Biology & Physiology Seminar. "Arresting Developments in Receptor Signaling." Jeffrey Benovic, prof. and chair of biochemistry & molecular biology, Thomas Jefferson U. Co-sponsored by molecular biology & pharmacology, McDonnell Medical Sciences Bldg., Rm. 426. 362-1668.

Monday, April 10

Noon. Molecular Biology & Pharmacology Seminar. "How Eukaryotic Cells Adapt to Metal Nutrient Deficiency: Lessons Learned From *Saccharomyces Cerevisiae*." David Eide, prof. of nutritional sciences, U. of Wis. South Bldg., Rm. 3907, Philip Needleman Library. 747-3339.

3:30 p.m. Harris Inst. for Global Legal Studies Seminar. "Pre-emptive Use of Force: Legalities and Realities in Today's World." Walter Slocombe, attorney, former U.S. undersecretary of defense. Anheuser-Busch Hall, Rm. 310. 935-7988.

4 p.m. Anatomy & Neurobiology Lecture. Annual Robert J. Terry Lecture. "It Is All in the Eye of the Beholder." Amiram Grinvald, prof. and dir., Grodetsky Center for Research of Higher Brain Functions, Weizman Inst. of Science, Rehovot, Israel. Eric P. Newman Education Center. 362-7043.

4 p.m. Immunology Research Seminar Series. "Immunity, Cognition and Behavior: Lessons From SLE." Betty Diamond, prof. of medicine and of microbiology, Columbia U. Moore Aud., 660 S. Euclid. 362-2763.

5:30 p.m. Cardiac Bioelectricity & Arrhythmia Center Seminar. "Arrhythmogenic Calcium Release from Cardiac Myofibrils." Henk E.D.J. ter Keurs, prof. of physiology & biophysics, U. of Calgary. (5 p.m. refreshments.) Whitaker Hall, Rm. 218. 935-7887.

7 p.m. Sam Fox School Architecture Lecture Series. Marcelo Carvalho Ferraz, Brasil Arquitetura Studio, São Paulo. Steinberg Hall Aud. 935-9347.

Tuesday, April 11

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Natural Killer Cell Control of Viral Infections." Wayne Yokoyama, Levin Professor of Medicine. Cori Aud., 4565 McKinley Ave. 747-2132.

Wednesday, April 12

11 a.m. Assembly Series. Interdisciplinary Project in the Humanities, Phi Beta Kappa and Sigma Xi Lecture. Wayne Fields, dir., American Culture Studies Program. Graham Chapel. 935-4620.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Single Molecular Dynamics of RecA Filament and SSB5." Taekjip Ha, assoc. prof. of physics, U. of Ill. Cori Aud., 4565 McKinley Ave. 362-4152.

Thursday, April 13

4 p.m. Ophthalmology & Visual Sciences Seminar. "Molecular Insights Into Myelination and Axonal Degeneration." Jeffrey Milbrandt, David Clayton Professor of Neurology, Maternity Bldg., Rm. 725. 362-1006.

Music

Thursday, April 6

8 p.m. Jazz at Holmes. Chris Burchett, guitar. Ridgley Hall, Holmes Lounge. 935-4841.

Sunday, April 9

8 p.m. Recital. Chamber works of Martin Kennedy, asst. prof. of theory & composition. Steinberg Hall Aud. 935-4851.

Japanese architect Hamada wins Steedman competition

BY LIAM OTTEN

Japanese architect Mitsuru Hamada has won the University's 2006 Steedman Fellowship in Architecture International Design Competition.

The biennial competition, sponsored by the College of Architecture and Graduate School of Architecture & Urban Design — both divisions of the Sam Fox School of Design & Visual Arts — is open to young architects from around the world. The \$30,000 first-place award supports study and research abroad and is the largest such award in the United States.

Hamada, who lives and works in Tokyo, was chosen from a field of 148 architects representing 23 countries.

This year's competition focused on the design of an approximately 1,500-square-meter pavilion-observatory that would integrate architecture, technology and the experience of nature. Proposals were judged for originality, concision and relevance to the contemporary cultural context.

"The program was very open," said jury chair Inaki Abalos, principal of Abalos & Herreros Architects in Madrid, who proposed the topic. "It could be taken very literally or more experimentally. The observatory works as a kind of metaphor for the relationship between architecture and nature — a technology that transforms perception and experience into knowledge."

Hamada's winning entry was a large, ziggurat-like structure on the former site of Edo Castle in what is now central Tokyo. Completed in 1638 by the Tokugawa Shogunate, the grand, 58-meter-tall citadel was destroyed by fire just 19 years later, in 1657. To this day the area remains a kind of natural, undeveloped "void" among the city's relentless urbanization.

Hamada's proposal, titled "Porous Drape," represents a poetic recreation of Edo Castle. Also 58

meters tall, the gently tapering edifice is open to the elements and is characterized by 100 angular openings, which invite visitors to contemplate the surrounding park.

To minimize environmental impact, it would be constructed of tightly packed blocks of soil, each measuring 20 square-centimeters, cut from the base of the site and mixed with cement, sand and water.

Abalos noted that the jury was impressed by the simplicity, intensity and monumentality of Hamada's design.

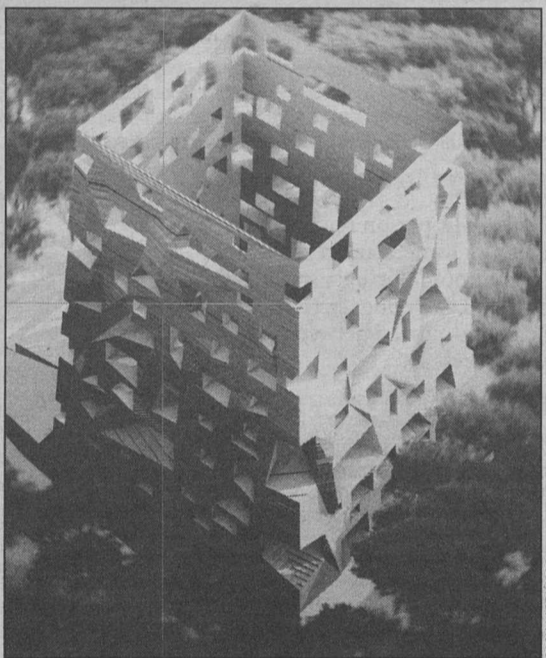
"This is a true observatory, a place of meditation and solitude from which to contemplate the landscape," he said. "At the same time, it also has a strong social aspect and a very powerful sense of collective participation."

Other jurors included Renata Sentkiewicz, also of Abalos & Herreros; Marcelo Ferraz, the Ruth and Norman Moore Visiting Professor of Architecture; Phil Holden, affiliate associate professor of architecture; Stephen Leet, associate professor of architecture; and Ripley Rasmus, group vice president and design principal for Hellmuth, Obata & Kassabaum in St. Louis.

Second-place honors were awarded to the United Kingdom's David Mathias, who earned a master of architecture degree from the University of Edinburgh in 2002. He will serve as an alternate in the event that Hamada is unable to fulfill the obligations of the fellowship.

Third place went to Sascha Oroz, a Croatian native currently residing in Chicago. Oroz earned a master of architecture degree at WUSTL in 2002.

For more information about the Steedman Fellowship, go online to stedmancompetition.com.



"Porous Drape," Mitsuru Hamada's winning entry in the 2006 Steedman Fellowship in Architecture International Design Competition.



Student a cappella ensemble Mosaic Whispers will perform its 15th annual "Splash of Color" music and comedy show March 31-April 1 in Graham Chapel.

Mosaic Whispers to present 'Splash of Color'

Mosaic Whispers, the University's award-winning a cappella ensemble, will perform its 15th annual "Splash of Color" concert at 7:30 p.m. March 31-April 1 in Graham Chapel.

Splash of Color 2006 will feature music and comedy as well as appearances by several guest groups from the University's vibrant a cappella community.

"This year's concert is a very special affair to celebrate our 15th anniversary, and will be unlike any a cappella concert Washington University and St. Louis have ever seen," said group coordinator Aaron Lewis.

"Mosaic Whispers has always been proud of its energetic and supportive alumni community, and the Saturday show will feature around 50 of Mosaic Whispers' 78 alumni returning to the stage to perform some of the greatest hits from the last 15 years."

Also appearing tonight will be The Amateurs, The Greenleafs, The Pikers and After Dark.

Improv comedy ensemble Mama's Pot Roast will provide pre-concert entertainment both nights.

Founded in 1991, Mosaic Whispers is the oldest coed a cappella group at the University, performing everything from pop and hard rock to jazz, oldies, country, soul and funk.

The group has produced seven studio albums and is recording tracks for an eighth, due out this fall. It also recently appeared on four national a cappella compilations.

All of the Whispers' studio re-

leases can be purchased at Splash of Color or online at mosaicwhispers.com.

The ensemble's 15 singers are Emma Cardeli, Chris Chi, Jennifer Gross, Riley Haemer, Elysa Kahan, John Kleiman, Rosie Kohn, Aaron Lewis, Julia Mancini, Diane Minerbi, Mark Partridge, Nick Pizzoferrato, John Michael Rotello, Ariel Wentworth

and Reynolds Whalen.

Tickets are \$7 — \$5 for students — and can be purchased at the door. Tickets will also be available from 11 a.m.-1 p.m. in Mallinckrodt Student Center and from 5-7 p.m. in Wohl Student Center.

For more information, call (616) 485-9170 or e-mail aaron.l@mosaicwhispers.com.

Architecture education reinforces importance of sustainable design

BY LIAM OTTEN

As energy and environmental issues loom ever larger in the public consciousness, architecture schools around the nation are seeing an explosion of interest in sustainable design.

At WUSTL, students and faculty in the Sam Fox School of Design & Visual Arts have increasingly integrated environmental principles and techniques into the architecture curriculum, through required and elective courses as well as through special events and voluntary groups such as Green Givens.

However, over the next several weeks, the Sam Fox School's Graduate School of Architecture & Urban Design will take on the issue with special intensity, through a series of intensive "Master Classes in Environmental Design." The half-dozen one-credit workshops — each open to 12 graduate and undergraduate students — run weekends through April 23.

Topics range from building technologies and sustainable building design to landscape design and urban and regional planning.

"We tend to think of energy efficiency as a transportation issue — about cars and gas mileage," said Jerry Sincoff, dean of Architecture. "But in developed countries, buildings account for nearly half of energy consumption. It's becoming a major issue for contemporary architects and something that students feel very strongly about."

Sustainability is a topic close to Sincoff's heart. During his tenure as president and chief executive officer of architecture giant Hellmuth, Obata & Kassabaum Inc. (HOK) from 1990-2001, the firm began a major initiative to incorporate sustainable design into many of its projects and even published *The HOK Guidebook to Sustainable Design* (2000), one of the most influential and widely read books on the subject.

(Coincidentally, *The HOK Guidebook*, now in its second edi-

tion, is co-authored by two WUSTL alumni — Mary Ann Lazarus [1978] and Sandra Ford Mendler [1981] — along with William Odell.)

The environmental master classes — which Sincoff conceived last fall, and which are organized by Peter MacKeith, associate dean of architecture and associate director of the Sam Fox School — will feature more than a dozen experts from around the country.

These include Mendler, now vice president and sustainable design principal for HOK's San Francisco office; as well as the University's own Paul Donnelly, the Rebecca and John Voyles Professor of Architecture; and John Hoal, associate professor of architecture and a nationally recognized urban designer. Also featured will be alumnus Bryon Stigge of Buro Happold Engineering in New York and London.

"Each class is based on a case-study methodology and hands-on, 'charette'-style participation," Sincoff said. "Students will be placed in the role of decision-makers, studying real-world projects straight from the drawing boards, with some of the most distinguished practitioners and scholars in the field."

MacKeith — who previously organized "The Sustainable University Campus: The Chancellor's Sesquicentennial Colloquium" (2004) as well as a campus stop for *Ten Shades of Green* (2003), the first important exhibition of sustainable design — noted that the case-study materials, along with resulting student drawings and sketches, will form the basis for an in-house sourcebook on environmental design, which should be completed next fall.

"These sorts of activities — the master classes, the sourcebook, additions to the curriculum — are all intended to bring sustained attention to the issue of sustainable design," MacKeith said.

"It's a way of raising expectations within the school, within the University and throughout the profession."

Thursday, April 13

8 p.m. Jazz at Holmes. Adam Mannes, piano. Ridgley Hall, Holmes Lounge. 935-4841.

On stage

Friday, March 31

8 p.m. OVATIONS! Series. Doug Varone & Dancers. Co-presented by Dance St. Louis. Cost: \$28, \$24 for seniors, WUSTL faculty & staff, \$18 for students & children. Edison Theatre. 935-6543.

8 p.m. Performing Arts Department Presentation. Young Choreographers Showcase. (Also 8 p.m. April 1.) Cost: \$15, \$9 for students, children, seniors, WUSTL faculty & staff. Mallinckrodt Student Center, Annelise Mertz Dance Studio. 935-6543.

Sports

Friday, March 31

2 p.m. Women's Tennis vs. Drury U. Tao Tennis Center. 935-4705.

Saturday, April 1

10 a.m. Men's Tennis vs. Coe College. Shaw Park, Clayton. 935-4705.

10 a.m. Women's Tennis vs. Coe College. Tao Tennis Center. 935-4705.

Noon. Baseball vs. Knox College. Kelly Field. 935-4705.

3 p.m. Men's Tennis vs. Maryville U. Shaw Park, Clayton. 935-4705.

Sunday, April 2

11 a.m. Women's Tennis vs. U. of Chicago. Dwight Davis Tennis Center. 935-4705.

Noon. Baseball vs. Knox College. Kelly Field. 935-4705.

Tuesday, April 4

1 p.m. Baseball vs. Maryville U. Kelly Field. 935-4705.

Saturday, April 8

All day. Track & Field WUSTL Select Meet. Francis Field. 935-4705.

All day. Track & Field WUSTL Multi-event. (Continues April 9.) Francis Field. 935-4705.

Tuesday, April 11

3 p.m. Women's Tennis vs. McKendree

College. Dwight Davis Tennis Center. 935-4705.

4 p.m. Men's Tennis vs. Lindenwood U. Tao Tennis Center. 935-4705.

Wednesday, April 12

4 p.m. Men's Tennis vs. McKendree College. Tao Tennis Center. 935-4705.

Worship

Wednesday, April 12

7:45 p.m. Passover Seder. Hosted by Chabad on Campus. (Also 7:45 p.m. April 13.) 7420 Forsyth Blvd. 721-2884.

And more...

Saturday, April 1

1-4 p.m. Graduate Student Research Symposium. Uncas A. Whitaker Hall for Biomedical Engineering. More information: gss@artsci.wustl.edu.

Tuesday, April 4

8 p.m. Writing Program Reading Series. Sigrid Nunez, novelist. Duncker Hall, Rm. 201, Hurst Lounge. 935-7130.

Educational workshops April 5-7: Planning for special-needs kids

Faculty and staff are being invited to attend an educational workshop on "Planning For The Future of a Child or Other Dependents With Special Needs."

At noon April 5-7, a representative from Met Life's Division of Estate Planning for Special Kids will be conducting workshops and discussing the service called "MetDesk." Met Life underwrites WUSTL's life insurance coverage.

Topics to be addressed include:

- Government benefit eligibility;
- Guardianship/conservatorship; and
- Financial security and funding options.

No matter what the age or disability, parents of children with special needs have many serious questions about how best to provide for their child's future well-being.

Some faculty and staff mem-

bers face unusually difficult planning decisions regarding the welfare of a child. The most important of those is probably how to ensure care is provided after the policyholder's death.

These workshops will provide important information for faculty and staff members to develop their own personal plan.

Even though a Met Life representative will be making the presentation, faculty/staff are under no obligation to use a Met Life estate planner.

The meetings are scheduled as follows:

• April 5, Medical Campus, McDonnell Science Bldg, Cori Auditorium

• April 6, West Campus, Library Conference Center, Room A/B

• April 7, Hilltop Campus, Simon Hall, May Auditorium

Reservations are not required.

For more information, call your benefits department.

Annual American Indian Awareness Week, including powwow, April 3-8

By JESSICA MARTIN

An American Indian powwow, traditional cuisine, storytelling, music and crafts will be among the highlights of the University's American Indian Awareness Week April 3-8.

The annual awareness week and powwow allow the University's American Indian students to share their unique cultures with the rest of the campus and the St. Louis community.

All events are free and open to the public unless otherwise noted.

The movie *Powwow Highway* will be featured from 6:30-8:30 p.m. April 3 in Goldfarb Hall, Room 359. The film follows two friends from a Cheyenne reservation as they take a road trip to bail a relative out of jail.

Rita Ledesma, Ph.D., associate professor of social work at California State University, Los Angeles, will present "Attachment and Culture: Challenges and Opportunities" from 12:30-2:30 p.m. April 4 in Brown Hall Lounge.

Ledesma has extensive direct practice and consultation experience working within the Latino and American Indian communities of Los Angeles and regularly provides training and consulting services to community-based organizations.

Students from the Kathryn M. Buder Center for American Indian Studies at the George Warren Brown School of Social Work will present traditional stories representing various tribes at 3:30 p.m. April 4 at the University City Children's Center.

Michael Jacobs, winner in the

2003 Native American Music Awards' "best independent music" category, will present his blend of traditional and contemporary music from 7-9 p.m. April 4 in Lopata Courtyard. Jacobs' songs, filled with powerful imagery, tell stories of life, love, hope and heartache. Admission for this event is \$3.

As part of the social work students' fund-raising efforts, a silent auction will take place during the concert. Various donated items, gift certificates and services will be on display for silent bidding. Winners will be announced after the concert.

On April 5, Buder Center students and staff will offer a sampling of American Indian/Alaskan Native foods from 11 a.m.-3 p.m. in the Goldfarb Hall Student Commons. Native arts and crafts will be on sale.

Duane Champagne, Ph.D., professor of sociology at the University of California, Los Angeles, will discuss "Community, Justice, Power and Indigenous States" at 4 p.m. April 6 in the Brown Hall Lounge. Champagne is a faculty advisory committee member for the Native Nations Law and Policy Center.

From 1-2:30 p.m. April 7, Arlene Stiffman, Ph.D., the Barbara A. Bailey Professor of Social Work, will discuss the American Indian Multi-sector Help Investigations (AIM-HI) program. AIM-HI will provide a comprehensive picture of American Indian youths' needs for help, their help-seeking pathways in multiple service sectors, and the consequences of help on their later development of drug

and other mental-health problems.

Michael Yellowbird, Ph.D., citizen of the Sahnish and Hidatsa First Nations, will present "War Talk: Why Indigenous Peoples (American Indians) Should Not Support or Participate in the Iraqi War" at 2:30 p.m. April 7 in Brown Hall Lounge. Yellowbird is the director of the Center for Indigenous Nations Studies and associate professor of American studies at the University of Kansas.

American Indian Awareness Week will culminate April 8 with the 16th annual powwow, a festival of American Indian dancing, singing, drumming, arts, crafts and food.

"Powwows are a place where everybody brings something to the circle," said Cortney Yarholer, co-chair of the powwow committee and second-year social work student. "You bring your joy, your sadness, your dance and your song. Most importantly, you bring family and friends, celebrating life."

The powwow, from 10 a.m.-10 p.m. in the Athletic Complex, frequently attracts more than 1,500 people from 10 states.

The intertribal and contest dancing will begin at 1 p.m. and again at 7 p.m. Traditional arts and crafts booths will open at 10 a.m.

The American Indian Awareness Week and powwow are sponsored by the Buder Center, the American Indian Student Association, various University departments as well as businesses and organizations from the St. Louis area.

For more information, call the Buder Center at 935-4510 or go online to gwbweb.wustl.edu/buder.

Proofs

Nature of paper writing undergoes sea change

— from Page 1

"I think that the computer and the Internet have perhaps led us to confuse the dissemination question with the refereeing and archiving questions. And it has undercut the entire reviewing process."

Krantz noted that, since the 1980s, there has been a sea change in the nature of paper writing.

"It's almost all done by collaboration, whereas mathematics papers used to be single-author endeavors," he said. "The collaborations reflect how complex mathematics research has become, but also illustrate the difficulty of proof. How can one mathematician understand all the branches of the problem?"

"It's going to take years, even decades, for some of the problems."

Krantz was one of three distinguished American mathematicians to examine new developments in mathematical proofs at the American Association for the Advancement of Science's Annual Meeting Feb. 16-20 in St. Louis.

Michael Aschbacher, Ph.D., of the California Institute of Technology, who analyzed proofs of the classification of finite simple groups, and Thomas Hales, Ph.D., of the University of Pittsburgh, who analyzed proof of the solution to the Kepler Sphere-Packing Problem, joined Krantz in a Feb. 18 presentation. Keith Devlin, Ph.D., of Stanford University, organized the session.

Krantz's discussion revolved around an old topology problem and was titled: "The Poincare Conjecture: Proved or Not?"

Named after French mathematician Henri Poincare (1854-1912), the conjecture states that a three-dimensional manifold with the homotopy of the sphere is the sphere. Or, stated differently: In three dimensions, any surface that has the geometry of a sphere actually is a sphere.

Poincare posed the question in 1904, but it has only been in the past three years that any headway has been made on solving it.

Krantz referred to the work of Richard Hamilton, Ph.D., of Columbia University, and Grisha Perelman, Ph.D., of the Steklov Institute in St. Petersburg, Russia — especially three of Perelman's papers posted on arXiv, though unpublished elsewhere.

"The new proof of the Poincare conjecture has proved to be quite robust," Krantz said, who

cautioned that he's not primarily a topologist, but a fellow mathematician and interested observer who also has authored more than 100 peer-reviewed journal articles and numerous books and other writings.

"People have been discussing it now for more than two years, and many believe it to be correct. The ICTP News has in fact announced in its June 20, 2005, newsletter, that the Poincare conjecture is now proved. Period."

But Krantz went on to note that Perelman has given a series of public lectures on the proof, but that he has not submitted the papers on arXiv for publication anywhere, even after Krantz, editor of *The Journal of Geometric Analysis*, has offered to publish anything that Perelman would like to say. But Perelman has not responded to the offer.

Krantz said that the task of validating the proof is so daunting that no single mathematician would be able to verify it because it demands the knowledge of difficult low-dimensional topology, Alexandrov theory — not well-understood in the West — differential geometry and partial differential equations.

Perelman, building on the work of Hamilton, has given the mathematics world a legacy of some brilliant ideas, Krantz said. But Perelman's indifference to publishing the proof and his method of showing his work on arXiv "have put a chokehold on the subject of low-dimensional topology," Krantz said.

"They have given us more questions than answers," he said. "The methodology is promising but elusive. Nothing is written down. We can never be sure whereof we speak."

Krantz's concern is that a new generation of mathematicians might follow this paradigm for proofs, and that an older generation will become disenfranchised and discouraged.

"I can only hope that this program to prove the Poincare conjecture is not a new paradigm for doing mathematics," he said. "I am a great fan of computer proofs, of proofs by modeling, of proofs by simulation and of proofs by experiment."

"I like all proofs, but a mathematical proof is a recorded piece of text that others can study and validate. I think that one of the most important aspects of our discipline is verification and archiving."

"The new program to prove the Poincare conjecture thus far is sorely lacking in this respect," he added. "It is counterproductive, it is irresponsible, and in the end it is discouraging for us all. I think that we can do better."

Diabetes

U. of Chicago, Joslin Clinic got same results

— from Page 1

abetes. Studies of the four mice that continued to have normal blood-sugar levels revealed signs that the pancreas was regaining beta cell mass and function.

In the 2003 study, scientists looked in the pancreas of cured mice for indications of the presence of the Y chromosome, the male sex chromosome. When they found it, they interpreted this as proof that stem cells from the spleen cell injections, which all came from male mice, had developed into new beta cells in the diabetic mice, which were all female.

But the WUSTL scientists did not see this same indicator or any other signs that the male spleen cells had survived in cured mice.

"This idea that spleen cell injections not matched for immune compatibility could lead to new beta cells was very controversial," Unanue said. "Everything we know in immunology suggests that such injections should be rejected by the immune system."

In a second test performed after they repeated the earlier experiment, researchers gave the mice the CFA injection and the islet transplants but did not give spleen cell injections. For periods of more than 100 days, this temporarily cured diabetes in 69 percent of the mice that received it (20 of 29).

The procedure that included the spleen injection had a temporary cure rate of 42 percent.

Laboratories at the Joslin Clinic in Boston, a hospital affiliated with Harvard Medical School, and the University of Chicago also found they could not reproduce the 2003 results.

The three laboratories had no contact prior to acceptance of their manuscripts for publication by *Science*.

Campus Watch

The following incidents were reported to University Police March 22-28. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

March 27

4 p.m. — A person reported the theft of a camera and a purse from a dorm room during a social gathering in Lee Residence Hall. The incident occurred between 8-11:59 p.m. March 25.

March 28

8:50 a.m. — An unknown person set off the alarm upon leaving the Campus Store in Mallinckrodt Student Center. When confronted by store personnel, the person ran north across campus. The person

is described as an African-American male, about 30 years old, 5'11", about 170 pounds, thin build, possible goatee/mustache, wearing a black hooded athletic coat with white stripes down the arms and across the chest, a dark sweatshirt with lettering across the front and khaki trousers.

University Police also responded to four larcenies, four reports of lost article, two informational reports and one report each of property damage and auto accident.

Record

Founded in 1905
Washington University community news

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Notables

Of note

Third-year medical student **Jeffrey Nepple** recently received a \$1,000 Medical Student Scholarship from the Southern Medical Association. The Birmingham, Ala.-based association is a physician membership association, founded and governed by physicians since 1906. ...

Jeffery Matthews, drama coordinator in the Performing Arts Department in Arts & Sciences, received a Kevin Kline Award March 20 for "Outstanding Production for Young Audiences," for *Bah Humbug!* Matthews also was in the cast of *West Side Story* at the MUNY, which won five awards. ...

Perry E. Bickel, M.D., assistant professor of medicine and of cell biology and physiology, received a three-year, \$808,500 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Trafficking of Triacylglycerol in Adipocytes." ...

Nam Soo Suh, M.D., resident physician in the Department of Pathology and Immunology at the School of Medicine, received a \$2,500 seed grant from the American Medical Association Foundation for a project titled "Indolamine Dioxygenase Expression Levels and Relationship to Clinicopathological Features and Survival in Melanoma." ...

James L. Gibson, Ph.D., the Sidney W. Souers Professor of Government in Arts & Sciences, has received a one-year, \$109,000



Italian Film Festival Above is a still from *Il Fuggiasco (The Fugitive)* by Andrea Manni, part of the Italian Film Festival of St. Louis. Sponsored by the Program in Film and Media Studies in Arts & Sciences, the Istituto Italiano di Cultura di Chicago and Videobank Communication Service Provider, the festival will include six recent films, beginning today and April 1 with *Manuale D'Amore (Manual of Love)* and *Buongiorno, Notte (Good Morning, Night)*, respectively. Screenings will continue April 7-8 with *Il Fuggiasco* and *La Vita Che Vorrei (The Life That I Want)* and will conclude April 14-15 with *Caterina Che Va in Citta' (Catherine in the Big City)* and *I Cento Passi (The Hundred Steps)*. All films are free and open to the public and begin at 8 p.m. in Brown Hall, Room 100. For further information, go online to italianfilmfestivalstlouis.com or call 422-3102.

grant from the National Science Foundation for research titled "Assessing the Consequences of Politicized Confirmation Processes on the Legitimacy of the United States Supreme Court: The Bush Appointments." ...

David C. Beebe, Ph.D., the Janet and Bernard Becker Professor of Ophthalmology and Visual Sciences, has received a four-year, \$2,195,961 grant from the Nation-

al Eye Institute for research titled "Control by Oxygen of Lens Metabolism and Cataract Formation." ...

David Gutmann, M.D., Ph.D., the Donald O. Schnuck Family Professor of Neurology, has received a one-year, \$1,956,438 grant from USA Med Research ACQ Activity for research titled "Identification and Preclinical Evaluation of New Therapies for Brain Tumors." ...

C. Michael Crowder, M.D., associate professor of anesthesiology, has received a four-year, \$1,536,456 grant from the National Institute of General Medical Sciences for research titled "Mutant Analysis of Genes Controlling Anesthetic Action."

Part five will occur Jan. 1, 2007, when the University will:

- Offer a high-deductible PPO health plan with Blue Cross (\$1,500 individual and \$3,000 family);
- Offer and contribute \$400 annually to Health Savings Accounts requiring a minimum contribution from faculty/staff based upon salary level; and
- Offer and contribute \$400 annually to Retirement Medical Savings Accounts requiring a minimum contribution from faculty/staff based upon salary level (University contribution made to only one account).

The sixth and final step is planned to occur July 1, 2007, when the University will introduce modified time-off benefits. The above represents only summaries of the benefit changes. Detailed documents with descriptions of current eligibility and benefits are available online at hr.wustl.edu.

The documents will be amended later this year to reflect these benefit changes.

Benefits for University employees represented by a bargaining unit are outlined in the current contracts.

For more information, contact your benefits office.

Benefits

Detailed information available at HR Web site - from Page 1

ties other than Washington University will decrease from 50 percent to 40 percent of WUSTL tuition (grandfather all current benefits-eligible faculty/staff);

- A single-service requirement of seven years will be established for the dependent child tuition plan for faculty/staff hired or rehired after July 1, 2006 (grandfather all current benefits-eligible faculty/staff); and
- Basic term life insurance will be increased from 50 percent to 100 percent of annual base salary.

The fourth step will go into effect Sept. 1, when a redesign of the University's contribution to retirement savings plan will result in two tiers:

- 7 percent of base salary after two years of service, and
- 10 percent of base salary after 10 years of service for faculty/staff hired or rehired after August 31, 2006 (grandfather all current benefits-eligible faculty/staff).

Informational meetings

To help better understand the details of the University's "Benefits Plan for the Future," 11 informational meetings have been scheduled. Reservations are not required.

The schedule is as follows:

Hilltop Campus

- April 19, 9 a.m., Simon Hall, Room 103
- April 20, 9 a.m., Lopata Hall, Room 101
- April 26, 9 a.m., Psychology Building, Room 216 A/B

Medical Campus

- April 18, 10 a.m., Scarpellino Auditorium, 510 S. Kingshighway Blvd., first floor
- April 19, 11 a.m., McDon-

nell Science Building, Cori Auditorium

- April 21, 10 a.m., Wohl Hospital Auditorium, lower level

- April 25, 10 a.m., Yalem Building, Steinberg Amphitheater

- April 25, 2 p.m., Farrell Learning and Teaching Center, Conner Auditorium

- April 27, 10 a.m., Children's Hospital Auditorium, third floor

West Campus

- April 20, 1 p.m., Library Conference Center, Room A/B
- April 26, 1 p.m., Library Conference Center, Room A/B

Campus Authors

John P. Boineau, M.D., professor of medicine and of surgery in the School of Medicine

The ECG in Multiple Myocardial Infarction and the Progression of Ischemic Heart Disease

(CardioRhythms Inc., St. Louis, 2004)

The ECG in Multiple Myocardial Infarction and the Progression of Ischemic Heart Disease presents a unique view of the use of electrocardiograms (ECG) in diagnosing ischemic heart disease, which is caused by a reduced blood supply to the heart and results in the death of heart tissue.

The ECG, a tracing of the electrical activity of the heart, is the least expensive first-pass test the patient receives, but at present the criteria for interpreting ECGs are relatively insensitive.

Boineau explains that if interpreted correctly, in many patients the ECG can be more useful than ultrasound in predicting the extent and distribution of tissue damage, known as infarction.

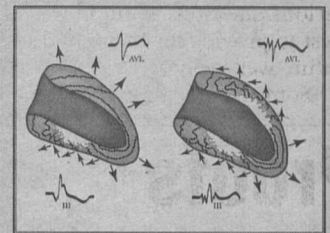
He describes new criteria for interpreting ECG tracings that could identify and locate far more infarctions.

"Often ECGs look abnormal, but the reason for the abnormalities isn't clear," Boineau said.

"My book explains the mechanisms that cause complex ECG readings in ischemic heart disease and shows how and why the criteria for interpreting them were derived."

The information, which represents more than 40 years of investigation, is useful for any physicians treating ischemic heart disease. It is especially relevant to physicians and cardiologists who follow patients long-term or care for patients who have had multiple admissions for myocardial infarction, left ventricular dysfunction, congestive heart failure and arrhythmias.

THE ECG IN
MULTIPLE MYOCARDIAL INFARCTION
AND THE PROGRESSION OF ISCHEMIC
HEART DISEASE
New Criteria for Diagnosis of Concealed MI



John P. Boineau, MD

The book is available from CardioRhythm's Web site, cardiorhythms.com, and will soon be available at the medical school bookstore.

— Gwen Ericson

Sports

On the Web

For complete sports schedules and results, go online to bearsports.wustl.edu.



Buffa improves to 5-0; baseball team now 17-4

The baseball team went 2-2 last week to move to 17-4 overall.

WUSTL opened with an 11-4 win March 24 against Elmhurst College. Junior Brent Buffa pitched a complete game, allowing eight hits and only three earned runs; he also struck out four to improve to 5-0.

On March 25, Elmhurst outlasted Washington U., 7-4, in 13 innings. Senior Kent Wallace pitched 7.2 innings out of the bullpen for the Red and Green, striking out seven Bluejays before tiring and giving up the game-winning run in the top of the 13th.

The Bears fell behind 2-0 in the first inning March 26 against Elmhurst and could not recover in a 12-1 loss. Senior Ryan Corning led the Bears with a 2-for-3 effort. In the second game that day, WUSTL responded with a 5-3 win against Coe College.

Softball team stumbles at Midwest Invitational

The No. 7 softball team posted a 2-3 record in the Sixth Annual Midwest Region Invitational held at the WUSTL Softball Field.

On March 24, the Bears (14-3) had their 39-game regular-season winning streak snapped as No. 23 St. Scholastica won 4-2.

On March 25, the Bears split a pair of games. WUSTL rebounded from its first loss of the season with a 14-1 win over Centre College, and then suffered a 1-0 defeat to St. Scholastica. Sophomore Kay-

lyn Eash was the story for the Bears against Centre, pitching a complete game and allowing just one unearned run. She was also 2 for 3 with two RBIs, and hit her first career home run.

On March 26, St. Scholastica rallied for a 4-2 win over WUSTL in the first game, while the Bears posted a 2-0 win over Centre College in game two.

Against Centre, junior Laurel Sagartz pitched a two-hit shutout and had the game-winning hit in the fourth inning.

Sagartz also recorded 14 strikeouts and moved into first-place on the all-time school list with her 20th shutout.

Women's tennis wins 2; rolls over Graceland

The women's tennis team won two of three matches last week to improve to 7-3.

The No. 13 Bears defeated Graceland University, 8-1, March 23 at the Tao Tennis Center. The Red and Green swept the doubles points, highlighted by seniors Annie Poelstra and Megan Poelstra.

On March 25, WUSTL defeated No. 28 Carthage College, 5-4, in Kenosha, Wis. The Red and Green

won four of six singles matches against Carthage.

Washington U. fell to Wheaton College, 6-1, March 25 in Wheaton, Ill. The Bears were able to claim the win only at No. 2 doubles.

Men's tennis takes 2 against NAIA foes

The No. 17 men's tennis team improved to 7-1 with a pair of victories over NAIA opponents University of Illinois-Springfield, 6-1, and No. 21 Graceland University, 5-2, March 25 at the Tao Tennis Center.

The Red and Green won all three doubles matches against Illinois-Springfield and five of six singles matches. Against Graceland, the Bears won the doubles point for the eighth straight match.

Track and field teams win Twilight Meet

The men's and women's track and field teams opened their outdoor seasons March 24 by winning the WUSTL Mini Twilight Meet at Bushyhead Track.

Junior Delaina Martin took home individual titles in the hammer throw and shot put to lead the WUSTL women. Sophomore Morgen Leonard-Fleckman cleared 11-0 in the pole vault for first place.

On the men's side, junior Cameron Williams continued his success from the indoor season, winning the high jump with a leap of 1.95 meters, while freshman Evan Killips won the pole vault (13-0).

Washington People

Most Americans don't think about employment-at-will until they're terminated from their jobs. During her work at the Employment Law Center (ELC), a nonprofit public interest group in San Francisco, Pauline Kim, J.D., professor of law, saw firsthand that people simply did not know about this legal rule.

"Each week, the ELC held a drop-in and call-in clinic where low-income workers who had a problem or question about their rights on the job could get some legal advice," Kim says. "I supervised law students interviewing the workers, so I was indirectly hearing the stories of 20-30 workers every week.

"One of the things that I heard over and over again was that many of the workers came in because they had lost their jobs and felt that they had been treated unfairly. We often had to counsel them that even if what happened to them was unfair, there was nothing we could do about it legally.

"Unless they are working under a contract that protects job security, employees are considered at-will, and employers can fire them



Law student Libby Peters (left) and Professor Pauline Kim discuss matters of employment law. "Pauline is among the most curious and insightful people I know," says Andrew Martin, Ph.D., associate professor of political science in Arts & Sciences and a participant in the Kim-organized Workshop on Empirical Research and the Law, which brings together faculty from the School of Law and Arts & Sciences.

By JESSICA MARTIN

Keeping perspective on employment-at-will

Pauline Kim, J.D., navigates human dimensions and economic relationships within employment law

for without having a good reason. There are some exceptions to this rule — for example, employers may not fire somebody for whistle-blowing or because of their race, sex, national origin or disability — but many fired workers were simply not protected by any of those exceptions."

This experience deepened her interest in employment law research.

"When I started teaching, it was interesting to find that there was a group of legal scholars who defended the at-will rule on the grounds that it was just a default rule — something that could be contracted around," Kim says. "They argued that the fact that we don't see very many people contracting around this rule suggests that at-will employment is what most people want.

"That argument struck me as out-of-touch with the reality of most employees. I had just come from a practice where I was repeatedly talking with people who were surprised to find out that there wasn't some legal rule preventing their employer from terminating them for an unfair or arbitrary reason."

One of the first things that Kim did when she came to the University was to study employees' understanding of the at-will rule by surveying several hundred workers about their beliefs about their employment rights.

"Similar to what I found in California, most of the workers misunderstood what the legal

rules were and assumed they had some kind of legal protection against arbitrary discharge, when in fact, they didn't," she says. "That project provided a great bridge for me from practice to academia."

In addition to growing her interest in research, Kim's time at the ELC reignited her desire to teach.

"In the back of my mind, I always knew I wanted to teach," she says.

"I did a little bit of TAing along the way as an undergraduate as well as in law school. Academia appealed to me because I found that I enjoyed teaching students. Plus, having the opportunity to think and write about some of the bigger issues in the law in more depth, without the constraints of representing a particular client was also appealing."

At WUSTL

At the law school, Kim enjoys researching a variety of employment law issues.

"I really like employment law because it has this real human dimension to it," she says. "A lot of employment cases are termination cases. People have compared them to industrial divorces. They are like a relationship that has gone sour and there are often hurt feelings and blame going both ways.

"At the same time, employment is a very fundamental economic relationship. Labor is an essential part of how things, goods and services are made, provided or produced."

Kim is working on a project concerning employee privacy in light of recent controversies over whether and to what extent an employer can intrude on an employee's person, things and private life through practices like drug testing and computer monitoring.

"I'm looking at the difference between thinking about those privacy interests in collective terms as opposed to individual terms," Kim explains. "There has been a shift over the last half-century from a collective bargaining to an individual-rights-based model for protecting employee rights. My research explores the consequences of that shift for protecting employee privacy."

Outside employment law, Kim is working on a project that looks at judicial decision-making, particularly by lower-court judges.

"Because of the nature of laws and legal rules, the superior court can't always provide rules that will tell the lower court what the outcome should be in each case," she says. "So the article I'm working on examines the idea of judicial discretion within the judicial hierarchy.

"I'm interested in what it means to be an appellate court judge, for example, who has to respond to guidance given by the Supreme Court and whose decisions may be reviewed by the Supreme Court.

"At the same time, that judge in turn has power to review the decisions of the lower trial courts. So how do judges try to control the decision of the courts below them? And how do they exercise the freedom that inevitably exists because the legal rules hand down from above are not complete and permit the exercise of discretion?"

Kim's work at the University reaches beyond the walls of Anheuser-Busch Hall. She co-founded and organized the Workshop on Empirical Research and the Law (WERL). The workshop brings together faculty from law and Arts & Sciences.

"We met regularly to read and discuss recent empirical research on the law and legal institutions," she says. "One of the advantages of Washington University is that it's a first-rate university, but it exists on a human scale.

"The business school is just across the way, political science and economics are right next door. You can actually get together with people and make connections across departments and schools in a way that is hard to do at some bigger universities."

Her work is noticed — and appreciated — by her students and colleagues.

"Pauline Kim has rapidly become one of the best-known and best respected employment law scholars and teachers in the nation," says Kent D. Syverud, J.D., dean of the School of Law and the Ethan A.H. Shepley University Professor. "Yet her research and teaching are so much broader even than this wide field.

"She is a treasure to Washing-

ton University faculty and students."

According to Andrew Martin, Ph.D., WERL participant and associate professor of political science in Arts & Sciences, Kim is "truly committed to interdisciplinary scholarship."

"Pauline is among the most curious and insightful people I know," Martin says. "She brings her legal expertise to the table, and is very interested in drawing on whatever fields inform the questions she finds interesting, including political science, economics and psychology. Our collaborative work on forecasting Supreme Court decisions would not have been possible with Pauline's significant contribution.

"Almost every time I talk to Pauline, I learn something interesting."

Homecoming

Accepting a position at the University marked a return to St. Louis for Kim.

"I'm from St. Louis," she says. "When I graduated from high school, I did not intend to return to St. Louis. I wanted to go away, see the world and live in a big city. So I did. I went to school on the East Coast and practiced law on the West Coast.

"Then, at one point, my husband and I were both looking for jobs. I wanted an academic job and he was finishing his residency.

"Washington University had both a strong law school and a strong medical school. And though St. Louis happened to be where I was from, that fact seemed to be a positive rather than an obstacle. We were fortunate enough that we both got jobs at Washington University, so we came back."

Kim and her husband, Philip Lee, spend most of their time outside of work with their kids, Jocelyn and Nicholas.

"We're usually running around to their activities and school events," she says. "We also love to go bicycling in Forest Park and wall-climbing."

Kim has enjoyed her time at the University.

"I find it incredibly hard to believe that I've been here 12 years," she says.

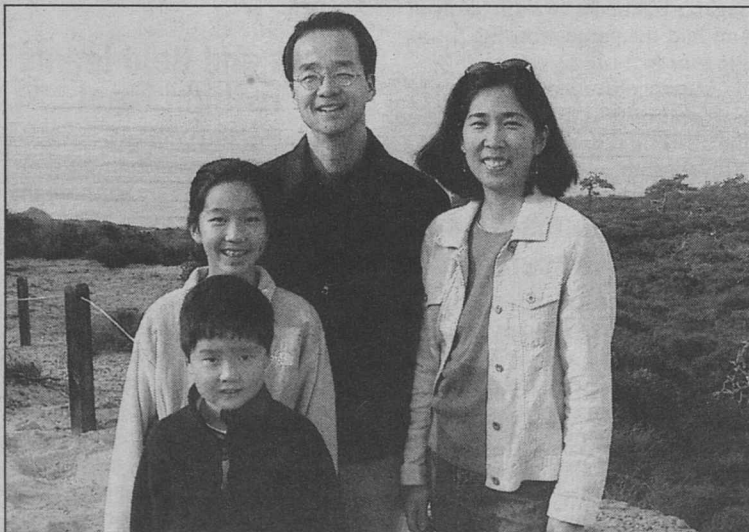
"The law school's a really exciting place right now. We've got a great new dean. There's been enormous forward progress since I first got here. Our students are getting better, and our faculty is getting better. It's exciting to be here."

Pauline Kim

Husband: Philip Lee

Children: Jocelyn (12) & Nicholas (6)

Education: A.B., Harvard and Radcliffe Colleges, 1984; Henry Fellow, New College, Oxford University, 1984-85; J.D., Harvard University, 1988



Pauline Kim hikes along the coast of California near San Diego with her family: husband Philip Lee; daughter Jocelyn and son Nicholas.