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Record

Sept. 24, 2004

Volume 29 No. 7



Washington University in St. Louis

Faculty, friends to receive Founders Day awards

By BARBARA REA

Thomas M. De Fer, Nicholas Dopuch, Milorad P. Dudukovic and Beata Grant will receive Distinguished Faculty Awards at this year's Founders Day commemoration Oct. 2 at the Adam's Mark Hotel.

The faculty awards are bestowed by the Alumni Board of Governors, which sponsors the event celebrating the University's founding.

In addition, Lucy Lopata and Eric and Evelyn Newman will receive the Robert S. Brookings

Awards, which are given by the Board of Trustees to individuals who exemplify the alliance between the University and the community.

Thomas M. De Fer

De Fer, M.D., is assistant professor of medicine, specializing in internal medicine education.

After earning a medical degree from the University of Missouri in 1985, he completed his residency at Jewish Hospital in 1992. He was appointed assistant professor of medicine in 1996 and directed the Ambulatory Care Experience

for Students program.

A year later, he was named director of the third-year internal medicine clerkship at Barnes-Jewish Hospital. As such, De Fer has been instrumental in creating substantive enhancements to the curriculum, resulting in educational improvements for doctors in training, which includes placing third-year students in private practices.

De Fer also contributes to graduate and postgraduate education, including the internal medicine residency training program at Barnes-Jewish Hospital. He co-

directs corporate education in the Division of Medical Education.

De Fer has worked within the school and nationally to enhance medical school curriculum. He is a member of the Clerkship Directors in Internal Medicine and has served on a number of its committees. He was recently elected a councilor of the organization.

He has served on many committees for Barnes-Jewish Hospital. In 2003, he led the development of the Medication Use Safety Subcommittee and now chairs the Pharmacy and Therapeutics

Committee.

In addition to being named Clerkship Director of the Year in 2003, De Fer has received the school's Distinguished Service Teaching Award for five consecutive years.

This year, he received the Sydney S. Pearl Award for Inspirational Teaching and the Samuel R. Goldstein Leadership Award in Medical Student Education.

This spring, he was inducted as a fellow of the American College of Physicians.

See Founders, Page 6

'New biology' Grant enables an integrative methodology

By TONY FITZPATRICK

A team of biologists and engineers led by WUSTL faculty is seeking to find the Fountain of Youth — not in Florida, but in photosynthetic cyanobacteria (ancient little blue-green algae).

Looking at the cellular systems in cyanobacteria, and then in a model plant and a moss species, these researchers want to determine how these organisms protect themselves from radicals — chemical culprits in the aging process in everything from bacteria to human beings.

Himadri B. Pakrasi, Ph.D., professor of biology in Arts & Sciences, is the principal investigator of a five-year, \$5 million project from the Frontiers in Integrative Biological Research (FIBR) program at the National Science Foundation (NSF).

In this project, the team of interdisciplinary researchers plans to use a systems-biology approach to delineate the genes and proteins in photosynthetic organisms, such as cyanobacteria and plants, and model the system that these organisms use to cope with radicals. These are products of oxidation and reduction (redox) processes, and are key culprits of causing cellular aging.

Cyanobacteria are organisms that gave rise to chloroplasts, the oxygen factory in plant cells. A half-billion years ago, cyanobacteria predated more complex organisms like multicellular plants and functioned in a world where the oxygen level of the biosphere was much less than it is today.

Over its very long life span, cyanobacteria have developed a system to survive a gradually increasing oxidizing environment,

See Biology, Page 6



Hard work Lamara Warren (left), coordinator for multicultural student groups, and Sandy Graham, administrative assistant, both in the Office of Student Activities, haul a bag of dirt and rocks Sept. 15 at the University City Children's Center. A group of nearly 20 University volunteers, along with several hundred St. Louis community volunteers, helped construct a playground at the center. Many of the volunteers were part of the United Way's "Days of Caring" campaign.

Debate preparations pick up steam

By ANDY CLENDENNEN

Fitness junkies who use the Athletic Complex to unwind after a hard day's work (or study) will have to divert from their normal routine during the first week of October.

As part of the University's preparations for the Oct. 8 presidential debate, the Athletic Complex will close at 10 p.m. Sept. 30.

Even if one could get into the complex, there wouldn't be a whole lot to do — all the exercise machines and other equipment will be moved out to make room for the amenities required to host a debate.

The tentative partial re-opening of the Athletic Complex is Oct. 11; the entire complex will hopefully be operational by Oct. 12-13.

"The key word here is tentative," said T.J. Shelton, assistant athletic director for facilities and special events. "The timing of the debate move-out will determine how quickly we get the exercise equipment back into the facility."

Alternative workout sites are being investigated while the Athletic Complex is closed. For updates, go to bearsports.wustl.edu or call the Athletic Complex hotline, 935-4705.

A solution to the exercise situation might be to

See Debate, Page 7

Accreditation team to visit Sept. 27-29

By ANDY CLENDENNEN

Washington University will undergo a comprehensive evaluation visit Sept. 27-29 by a team representing the Higher Learning Commission of the North Central Association of Colleges and Schools.

The commission has accredited the University since 1913; the most recent accreditation took place in 1994.

The Higher Learning Commission is one of six accrediting agencies in the United States that provides institutional accreditation on a regional basis.

The commission accredits approximately 1,000 institutions of higher education in a 19-state region.

After a lengthy period of review, the University has been engaged in the process of writ-

ing an institutional self-study since fall 2003.

The self-study reviews issues related to teaching, learning and research at the University since 1994. The self-study also addresses the requirements and criteria for accreditation.

The visiting team, consisting of eight faculty and administrators from comparable institutions, will review the University's ongoing ability to meet the commission's criteria for accreditation and general institutional requirements.

During their visit, team members will speak with students, faculty, administrators, alumni and members of the Board of Trustees from across the University.

Upon conclusion of the visit, the team will prepare a report for the NCA.

Exercise helps reduce heart mass

By GILA Z. RECKESS

Exercise may reduce more than your waist size — it may also help shrink a thickened and enlarged heart.

University researchers have found that a moderate exercise regimen is just as effective as a common blood-pressure drug in reducing the heart's mass and the thickness of the heart wall in elderly individuals with mild to moderately elevated blood pressure.

Both heart mass and wall thickness are potentially dangerous risk factors for heart disease and heart failure.

Exercise also provided benefits the heart drug did not, such as lowering an individual's risk of developing diabetes. However, drugs still appear to be the best way to significantly lower blood pressure.

"Our study confirmed that medications are more effective than exercise in lowering blood pressure," said principal investigator Ali A. Ehsani, M.D., professor of medicine. "But our main objective was to determine the effect of exercise

on other important health factors such as heart size."

The study was published in the August issue of the *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology*.

Ehsani's team randomly assigned elderly men and women to either a medication or exercise group. Those in the medication group received one dose of the common blood-pressure drug hydrochlorothiazide once a day for six months.

Those in the exercise group underwent a two-phase training program. For one month, they participated in 40-minute flexibility classes three times per week.

For the following five months, they did endurance exercises that incorporated brisk walking, jogging and/or cycling for 40-60 minutes three times a week.

Initially, exercise intensity was about 60 percent to 70 percent of participants' maximum heart rate, but intensity increased gradually to about 85 percent.

In both the exercise and

See Heart, Page 7



Integrating design and functionality James Lewis (right), a senior in the School of Architecture, shows off a group of stick-figure bicycle racks — dedicated Sept. 17 — he designed for Souland Market. Produced and installed by Trailnet, a local not-for-profit promoting bicycle transportation, the racks began as a 2003 class project led by affiliate associate professors Bill Wischmeyer, Jana Pereau and Gay Lorberbaum. Lewis' proposal, inspired by the movements of market patrons, was selected from 50 submissions.

Professor of law Cole to discuss John Ashcroft, the future of civil liberties

BY KURT MUELLER

David D. Cole, professor of law at Georgetown University, author of numerous books on terrorism and civil liberties, and cooperating attorney for the Center for Constitutional Rights, will discuss "John Ashcroft's Paradigm of Prevention and the Future of Civil Liberties" for the Assembly Series at 11 a.m. Sept. 29 in the Bryan Cave Moot Courtroom, Anheuser-Busch Hall, Room 310.

After graduating from Yale Law School and clerking with the 3rd U.S. Circuit Court of Appeals, Cole joined the Center for Constitutional Rights where he litigated several First Amendment cases, including the one that established protection allowing flag-burning.

As a volunteer staff attorney for the center, Cole continues to litigate First Amendment issues. Cole's focus includes civil rights, criminal justice, constitutional law, and law and literature. He is the legal affairs correspondent for *The Nation*, a columnist

for *Legal Times* as well as a commentator on National Public Radio's *All Things Considered*.

Other written works include: *Enemy Aliens: Double Standards and Constitutional Freedoms in the War on Terrorism*; *Terrorism and the Constitution: Sacrificing Civil Liberties in the Name of National Security*; and *No Equal Justice: Race and Class in the American Criminal System*.

The talk is part of the School of Law's seventh annual Public Interest Law Speaker Series, which is designed to highlight the excellence of the law school's Clinical Education Program; expose students to public interest advocates and practitioners; illuminate the pro bono and public-interest responsibility of law students and lawyers; and engage the wider University community in an interdisciplinary discussion about social justice.

The lecture is free and open to the public and is also sponsored by Student Union. For more information, call 935-4620 or go to assemblyseries.wustl.edu.

'Talented and diverse' Class of 2008 boasts impressive accomplishments

BY ANDY CLENDENNEN

The Melting Pot might be one of the better restaurants in the University City Loop, but one could also call the University campus a melting pot.

Especially after looking at the incoming freshman class.

The approximately 1,450 first-year students hail from all over the world and represent approximately 18 countries, 49 states, the District of Columbia and Puerto Rico. Their first day of classes was Sept. 1.

Many in the select group were academic leaders, officers in student government and participants

in extracurricular activities and athletics in high school. Collectively, the incoming class has received more than 2,200 special awards and recognitions.

In addition:

- About 925 students are National Honor Society members;
- Nearly 200 were senior class officers, and nearly 500 were officers in service organizations;
- Many served as editors — 108 of yearbooks and 140 of newspapers;
- Musically, 357 were members of their school bands or orchestras, and 239 were members of a choir or chorus, and;
- In athletics, 411 were team

captains.

"It is a delight to have such a talented and diverse freshman class on campus," said Nanette H. Tarbouni, director of undergraduate admissions.

"We encourage everyone to extend a warm welcome to them."

In addition to accumulating impressive statistics during their high-school years, the freshmen were chosen from about 20,000 applicants.

"We are excited that so many students chose to come to Washington University," Tarbouni said. "That is quite a compliment to the University community."

Rivers, canals, peninsulas and mountains: University Travel Lecture Series reveals all

BY NADEE GUNASENA

There are three things every world traveler must have: a trustworthy guide, a craving for adventure and a compass.

At WUSTL, the annual Travel Lecture Series is that guide; attendees bring the craving for adventure; and the 2004-05 edition is named *Compass*.

Each month, the series will present a movie by an internationally renowned travel filmmaker, highlighting locales all over the world. Attendees can experience eight nights of global travel from St. Louis' oldest and best-known travel lecture series.

The travelogues can be seen at 6 p.m. and 8:30 p.m. on the first Friday of each month in Graham Chapel.

Oct. 1: *The Soul of India*.

Filmmaker Rick Ray makes a trek through the large southern subcontinent into a personal adventure. Viewers gain an intimate understanding of India as Ray's cinematography takes them to such stunning sights as the Taj Mahal, the Himalayas and the River Ganges, among others.

Nov. 5: *Lewis and Clark — Confluence of Time and Courage*. Gary Warriner's film is the official Lewis and Clark bicentennial documentary, commissioned by the federal government. Warriner brings the historic journey up the Mississippi to life as he retraces the explorers'

steps from Missouri, through buffalo herds and teepee villages, across the Rockies to the Pacific Ocean.

Dec. 3: *The Erie Canal*. What would America be like if the Erie Canal had never been built? This film explores the answers as it traces the canal's history, from its humble beginnings to modern-day New York. Viewers revisit milestones of the 1800s, from the women's suffrage movement to the first Woolworth's to Rochester, America's first boom town — each shaped by the Erie Canal.

Jan. 7: *Europe's Alps*. Filmmaker Jim Tompkins hiked through the Alps for two months to capture footage of Europe's most stunning panoramic vistas. He takes his audience through France, Switzerland and Italy, exposing the Alps' beauty and its secrets. Tompkins' journey becomes a unique experience on film, narrated live and accompanied by an original score.

Feb. 4: *Korea: Can Two Become One?* In this film, history professor Willis Moore chronicles the tumultuous history of the Koreas. Viewers learn about the cultural traditions and modern-day frictions of these countries, visiting Seoul and Busan before taking a rare peek into North Korea.

March 4: *Cruising the Rivers of Europe*. Viewers will sail down the Rhine, Main and Danube with

filmmaker Clint Denn, who takes the audience through time and place, visiting historic landmarks in various countries, from a 13th-century cathedral to an ancient Roman bridge.

April 1: *Western Canada, Far and Wild*. As Canada's most celebrated documentary filmmaker, John Wilson is the perfect guide to the wilderness of western Canada. Climb up to the peaks of the Rockies for a great view before heading down the Nahanni River, following the caribou migration. Wilson also heads into the cities of western Canada, exploring the region's diverse attractions.

May 6: *America's Amazing Places*. For the past two years, filmmaker Bob DeLoss has traveled throughout America, finding material for his films about America.

This film chronicles the most memorable parts of that journey, from meeting characters such as Elvis' tailor to hiking through national parks such as Bryce Canyon in Utah. With his narration, DeLoss offers the beauties and eccentricities of America to his audience.

The series is sponsored by the Office of Alumni and Development Programs.

A single ticket for the entire series is \$29; or \$48 for two tickets. Individual film tickets are available for \$5 at the door.

For more information, call Liz McDaniel at 935-5212.

Dancer Solomons to perform Sept. 30

BY LIAM OTTEN

Gus Solomons jr, a distinguished visiting professor in the University's Dance Program in Arts & Sciences, will discuss his career as a dancer, choreographer and critic during an informal lecture/demonstration, *Gus Solomons jr Tells It All*.

The event, which is free and open to the public, will begin at 4 p.m. Sept. 30 in the Annelise Mertz Dance Studio, Mallinckrodt Student Center, Room 207.

Solomons began his modern dance training while an architecture undergraduate at Massachusetts Institute of Technology, studying Laban Technique with Jan Veen at the Boston Conservatory of Music and Graham Technique with Robert Cohan.

After graduating, he pursued a dance career in New York, performing as soloist in the companies of Donald McKayle, Joyce Trisler, Pearl Lang, Martha Graham and Merce Cunningham, among others, while also forming

his own troupe, The Solomons Company/Dance, in 1972.

Today, Solomons is a leading figure in postmodern and experimental dance. He has choreographed more than 150 pieces, both for his own company and many others, including Alvin Ailey Repertory Ensemble, The Berkshire Ballet and Contemporary Dance/Fort Worth. His work has been produced by the 14th Street Dance Center, Danspace Project at St. Mark's, Dance Theater Workshop, the Delacorte, Riverside, Jacob's Pillow and Joyce Theater festivals and the American Festival in London.

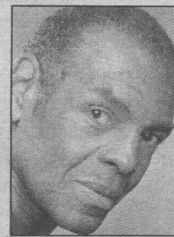
Since 1981, Solomon has written reviews and features for *The Village Voice*, *Dance Magazine*, *Ballet Review*, *The New*

York Times and other publications, and he has contributed chapters to several anthologies.

His numerous honors include fellowships from the National Endowment for the Arts and the Foundation for Contemporary Performance Arts; a 2000 Bessie (New York Dance and Performance) Award for Sustained Achievement in Choreography; and MIT's first Robert A. Muh Award in 2001.

While at WUSTL this semester, Solomons will lead a dance-writing workshop; lead master classes in improvisation and in modern dance theory and technique; and discuss his work with students in the course "Modern Dance and the African-American Legacy." He will also conduct auditions and train students in one of his works, which will be presented Dec. 3-5 as part of the 2004 Washington University Dance Theatre concert.

For more information, call 935-5858.



Solomons

Record

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School of Medicine Update

Model clinician White named director of pediatric rheumatology & immunology

By KIM LEYDIG

Juvenile rheumatoid arthritis expert Andrew J. White, M.D., has been named the Division Director of Pediatric Rheumatology and Immunology.

"Andy White is one of our most talented clinicians and teachers," says Alan L. Schwartz, Ph.D., M.D., head of the Department of Pediatrics and the Harriet B. Spoeher Professor. "He has a passion for clinical medicine and conveys it to those around him, most notably medical students, residents and fellows. He serves as a role model, clinician and educator."

White succeeds Jonathan D. Gitlin, M.D., the Helene B. Roberson Professor of Pediatrics, who will continue as the interim director of pediatric genetics.

White is known for his role in the study of new drugs for the treatment of juvenile rheumatoid arthritis and other autoimmune diseases.

As division director, he aims to increase the University's national and worldwide participation in clinical trials of novel pharmacotherapeutics (new drugs) for the treatment of rheumatoid and autoimmune diseases.

White says these new medicines allow us to treat — and possibly even cure — many pediatric autoimmune and rheumatologic cases.

A 3-year-old girl, who couldn't walk or move her knees, recently came to White after several doctors mislabeled her condition as cerebral palsy. When White examined the little girl, he determined she had juvenile rheumatoid arthritis. Four months later, she was walking.

According to White, as many as 400 children in St. Louis are diagnosed with juvenile rheuma-

toid arthritis annually. The disease, which most often affects kids ages 1-3, causes the immune system to malfunction and attack the joints. Patients often have stiff and swollen joints, making it difficult to walk or move.

He explains that the first thing that comes to most parents' minds when they learn their child has juvenile arthritis is "wheelchair" or "crippled."

"What gives me the most satisfaction is telling them that's not the case," he says. "Most of the time, I can help my patients have normal lives again. We know so much about medicine these days, but we really have no idea what causes juvenile rheumatoid arthritis. I want to find a way to understand it, treat it and fix it."

During his pediatric residency at St. Louis Children's Hospital, White treated a few patients with a rare, puzzling skin disease called scleroderma en coup de sabre. The condition gets its name — the stroke of the saber — from an indented stripe that forms down the face, affecting the skin, muscle, bone and sometimes brain.

"What fascinates me is that we can't understand why the disease looks exactly the same from person to person," says White, who adds that the mysterious condition — which mostly affects teenage girls — is what drew him to the field. "We have no clue what causes it and no medicines appear to treat it."

An excellent educator

As division director, White says he aims to make the pediatric rheumatology fellowship training program the top in the nation. While advancing the fellowship program, he will also continue overseeing the general pediatrics residency program, in which he



Andrew J. White, M.D., examines patient Helen Nelson. White says, "We can treat, and often cure, many patients — and that's extremely rewarding."

mentors more than 70 residents every year.

When he's not teaching students or treating patients, White breeds and raises freshwater fish, from cichlids to catfish. He has

more than 500 fish in 12 tanks at home. He writes stories about fish and also sells fish on Web sites like aquabid.com — some for more than \$100.

"My wife says I have a fish

problem," White jokes. He met his wife, Hilary Babcock, M.D., an instructor of medicine and an infectious disease physician, on the first day of medical school at the University of Texas, Southwestern. The couple lives in Webster Groves and has 6-year-old twins, Hannah and Jackson.

White came to St. Louis Children's Hospital for a general pediatric residency in 1994 and also completed a fellowship in pediatric rheumatology and immunology in 1997. He joined the University as an instructor of pediatrics in 2000 and became an assistant professor of pediatrics in 2001.

He is also the director of rheumatology services at Shriners' Hospital.

"What I love most about this field is that most of the time we can help patients get better," he says.

"It's rare when patients don't respond to drugs and need to be in a wheelchair or can't walk or play sports. We can treat, and often cure, many patients — and that's extremely rewarding."

HIV drug may reduce bone loss

By MICHAEL C. PURDY

Clinicians who treat AIDS patients may be able to use the HIV protease inhibitor ritonavir to reduce bone loss, University scientists recently reported in *The Journal of Clinical Investigation*.

Bone researchers studied the effects of three HAART drugs on osteoclasts — cells that dismantle bones, and osteoblasts — cells that build bone. In healthy people, the skeleton is regularly renewed about once every decade mainly via the work of these two cell types.

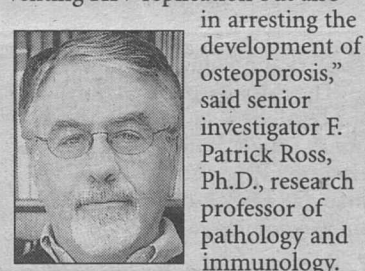
In test-tube experiments, researchers found that one drug, indinavir, inhibited the activity of osteoblasts.

Another drug, ritonavir, blocked the formation of bone-dismantling osteoclasts.

Scientists also found evidence that ritonavir can suppress the

activity of osteoclasts created prior to the introduction of the drug. A third drug had no effect on either cell type.

"Confirming these effects in humans may mean we have a drug that is effective not only in preventing HIV replication but also



Ross

in arresting the development of osteoporosis," said senior investigator F. Patrick Ross, Ph.D., research professor of pathology and immunology. Clinicians first noted problematic weakening of bone in young male HIV patients several years ago. HIV's effects on the body are thought to contribute to the problem, but scientists suspect some of the drugs in the HAART

cocktail may be exacerbating bone loss.

In the new study, Ross's post-doctoral fellow, Michael W.-H. Wang, M.D., and his colleagues reveal evidence that ritonavir is blocking a signaling pathway that fuses together simpler cells to make the more complex osteoclasts.

Scientists confirmed the effect in mice injected with parathyroid hormone, which stimulates osteoclast activity. Mice who received only the hormone had higher numbers of osteoclasts, but mice given both the hormone and ritonavir had unchanged osteoclast levels.

In additional test-tube studies, scientists found that suppression of the creation of new osteoclasts was reversible, with osteoclasts starting to develop again two to four days after scientists stopped adding the drug.

'Stinger' may offer easier drug target

By MICHAEL C. PURDY

The bacterium responsible for strep throat, scarlet fever and other disorders appears to use a single wasplike "stinger" to spread infection, according to University microbiologists.

Researchers studying the surface of *Streptococcus pyogenes*, also known as Strep A, had expected to find a disordered jumble of several pumps for spraying compounds onto cells targeted for infection. Instead, they found a single dedicated stinger — a feature Strep A may share with other bacteria that could provide an easier target for new drugs designed to treat infections.

"It's certainly a long time down the road, but this gives us new ways to think about how strep and other bacteria might one day be stopped," said Michael G. Caparon, Ph.D., professor of molecular microbiology and the study's lead investigator.

Strep A is one of the most common human pathogens. Epidemiologists estimate that at any given time 5 percent to 15 percent of humans carry asymptomatic Strep A. Drug resistance in strep has been growing for more than a decade.

On the basis of Strep A's outer membrane, microbiologists classify it as a Gram-positive bacteria. Such bacteria only have one outer membrane, but Gram-negative bacteria have two outer membranes separated by a small space. That space between the inner and outer membranes serves as a prep room for proteins and other agents that Gram-negative bacteria secrete to infect host cells.

Many proteins won't function properly unless they have folded into a particular configuration, and

scientists believe the space between the two membranes provides Gram-negative bacteria with a place to ensure the right folding and other preparatory steps take place.

Caparon was curious about how Gram-positive bacteria like Strep A prepare their infectious agents without this airlock-like space between membranes.

"Strep A is known to secrete more than 30 different substances as a part of its infectious processes," he said. "We wanted to know how does Strep A emit these agents?"

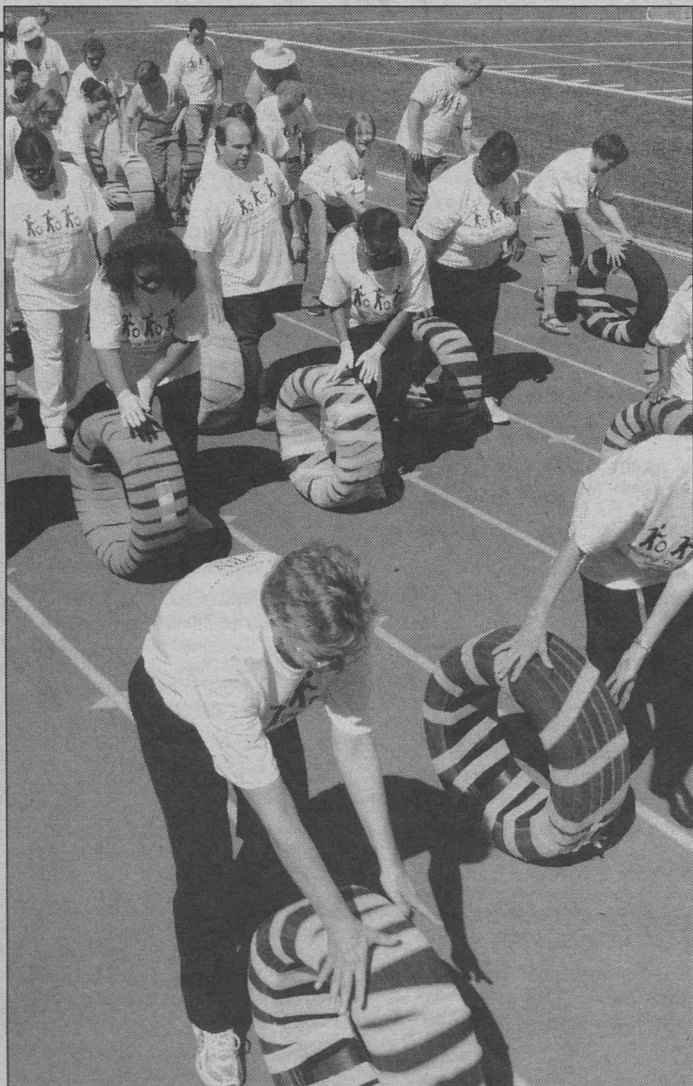
Most microbiological evidence suggested bacteria have little structural organization beyond the shape of their cells. But a few studies, including some from Caparon's lab, recently hinted that bacteria might be more organized than scientists suspected.

Caparon and graduate student Jason Rosch used modified antibodies to tag an infectious agent secreted by Strep A. They then took micrographs of the bacteria. The antibodies consistently showed up at a single focal point where the cell was secreting the infectious agent.

After follow-up tests confirmed what they had observed, Caparon decided to name the new structure that secretes infectious agents "exportal," a combination of export and portal.

"We'd like to now look at how the cell actually puts this together," Caparon said. "If we can identify the factors that are actually involved in structurally putting the exportal together, those may be the most interesting points of intervention for devising new drug treatments."

Caparon also wants to test other Gram-positive bacteria to learn if they have exportals.



Rolling over cancer University students, staff and faculty and community members simultaneously roll tires around Francis Field. More than 140 people helped raise cancer awareness for the Siteman Cancer Center — along with breaking the Guinness world record for group tire rolling — at the Sept. 20 event. Participants at the Roll Over Cancer event decorated tires, donated by Dobbs Tire & Auto, with multicolored ribbons designated for specific types of cancer to increase awareness about cancer prevention, detection, diagnosis and treatment.

University Events

Collaborative approach marks upcoming Fox Arts Center events

BY LIAM OTTEN

This fall, the Sam Fox Arts Center began construction of two buildings designed by Pritzker Prize-winning Japanese architect Fumihiko Maki. When completed in 2006, the Mildred Lane Kemper Art Museum and Earl E. and Myrtle E. Walker Hall will be integrated with the adjacent Bixby, Givens and Steinberg halls to form a state-of-the-art, five-building arts complex.

Yet already, "The Sam Fox Arts Center is moving to initiate a growing program of public lectures and symposia, of exhibitions and reviews of work, and of collaborative coursework and curricula," said Peter MacKeith, associate director of the Fox Arts Center and associate dean in the School of Architecture.

Next week, the center and its five founding partners — the schools of Art and Architecture, the Kemper Art Museum, the Art & Architecture Library and the Department of Art History & Archaeology in Arts & Sciences — will launch a series of collaborative exhibitions and special events that together provide a glimpse of the future of visual art and design at the University.

On Sept. 30, the Kemper Art Museum (currently located in Steinberg Hall) will present **The Washington University School of Art Faculty Show**. The all-media exhibition, curated by Philip Slein, director of the School of Art's Des Lee Gallery, will open with a reception from 5:30-7:30 p.m. and will remain on view through Dec. 5. (See accompanying story for more details.)

Also opening, in the lower-level Teaching Gallery, will be **Human Comedies: 19th-Century French Caricature**, organized by Elizabeth Childs, Ph.D., associate professor of art history & archaeology, and students in her seminar "Caricature:

School of Art faculty show opens Sept. 30

BY LIAM OTTEN

The Washington University School of Art Faculty Show, on view Sept. 30-Dec. 5 at the Mildred Lane Kemper Art Museum, will showcase nearly 50 pieces by 38 artists, both current faculty and emeriti.

Works range from videos and installations to prints, drawings, paintings, sculptures, graphic design and fashion design, with an emphasis on large-scale and interdisciplinary projects.

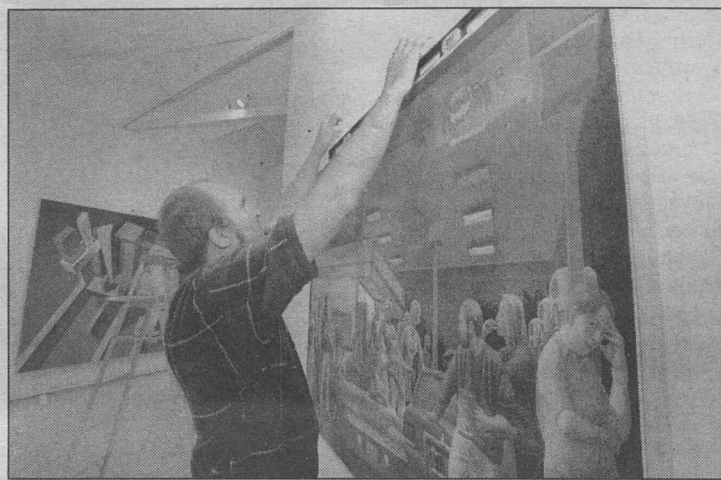
"The goal was simply to display the strongest, boldest work possible," said curator Philip Slein, director of the Des Lee Gallery and the Philip Slein Gallery.

For example, Slein points to an untitled installation by Ron Leax, the Halsey Cooley Ives Professor of Art, which Slein likened to some "amazing laboratory/machine/gizmo made of tubes, wires, beakers and tinfoil. It looks like it could be launched into space."

Joan Hall, the Kenneth E. Hudson Professor of Art, is represented by *Navigating Blue*, an almost 10-foot-tall, one-of-a-kind multimedia print. Pat Schuchard, the E. Desmond Lee Professor for Community Collaboration, offers a pair of 19th-century-style landscapes, the mammoth oil *Mining Town*, and the only somewhat more diminutive (despite its title)

The Art and Politics of Satire."

The exhibition is drawn from a collection — given to the museum in Childs' honor by Eric G. Carlson of New York — of more than 440 French caricatures. The show will include works by



Robert McCann, lecturer in painting in the School of Art, installs his oil-on-panel *Gas! (2003)* in the Mildred Lane Kemper Art Museum as part of *The Washington University School of Art Faculty Show*, on view Sept. 30-Dec. 5.

encaustic *Small Mining Town*.

Also featured is one of the ugliest objects in America, an oil by Michael Byron, professor of painting and associate dean of faculty; *Architectural Cellulite*, a bulbous wall installation by lecturer Jill Downen, whose work recently was seen in the Contemporary Art Museum, St. Louis' inaugural Great Rivers Biennial; and an immense ceramic and stone installation by Ron Fondaw, professor of art and head of the ceramics major area.

Additional sculptures, installations and mixed-media constructions are by Omya Alston, Gene Hoefel, Arny Nadler, Albert Pfarr, Eric Troffkin, Denise Ward-

Brown and Cheryl Wassenaar, along with a collaborative piece by Jana Harper and Ken Botnick.

Additional paintings are by Jamie Adams, Laura Aeling, K. Kuharic, Belinda Lee, Eva Lund-sager, Robert McCann, John Sarra and Jesse Thomas.

Gina Alvarez, Heather Cororan, Tom Huck, Bill Kohn, Peter Marcus, Frank Oros, Tom Reed and Regan Wheat all contributed works on paper.

Video and animations are by Lisa Bulawsky (with Dan Kelley) and D.B. Dowd, with photographs by Russ Rosener and Stan Strembecki and fashion design by Robin Verhage-Abrams and Jeigh Singleton.

will present a "Festival of the Arts" from 5-7 p.m. on the grounds of Bixby, Givens and Steinberg. The festival will feature a wide range of arts activities as well as music and performances. Food and beverages will be available.

Highlights will include students erecting a freestanding lighthouse structure, and students and other volunteers painting the plywood fence surrounding the construction site.

Also opening Oct. 1 is **The Rubber Frame: Culture and Comics**, a pair of complimentary exhibitions (and accompanying book) tracing the evolution of comic books from early precursors in England and Switzerland to turn-of-the-last-century newspapers, the raucous under-grounds of the 1960s and '70s and contemporary alternative comics.

The first of *The Rubber Frame* exhibitions, **The Visual Language of Comics From the 18th Century to the Present**, is curated by D.B. Dowd, professor of visual communications. It will open with a reception from 6-8 p.m. and will remain on view through Nov. 30 in Olin Library's Grand Staircase Lobby and Special Collections.

The second show, **American Underground and Alternative Comics, 1964-2004**, is curated by 2002 alumnus M. Todd Hignite, editor of the award-winning *Comic Art* magazine. It will open with a reception from 7-9 p.m. and will remain on view through Oct. 30 in Des Lee Gallery, 1627 Washington Ave.

Shuttle service will be available between the festival and *The Rubber Frame* exhibitions.

For more information about the festival, call 935-9347.

For more information about *The Rubber Frame*, call 935-5495 or 621-8537.

Subsequent Fox Arts Center events this semester will include a lecture on "Constructing the Ephemeral" by New York artist and sculptor James Carpenter (Oct. 20); and a talk on "Public Art and Social Sculpture" by German artists Renata Stih and Frieder Schnock (Nov. 4).

They Never Seem to Hear Me • The 2004 Election

"University Events" lists a portion of the activities taking place Sept. 24-Oct. 7 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

The Washington University School of Art Faculty Show. (5:30-7:30 p.m. Sept. 30, reception.) Through Dec. 5. Kemper Art Museum. 935-4523.

Lectures

Friday, Sept. 24

8:15 a.m.-4:30 p.m. Obstetrics & Gynecology CME Course. Annual Symposium on Obstetrics & Gynecology. Cost: \$335 for physicians, \$245 for allied health professionals. To register: 362-6891.

9:15 a.m. Pediatric Grand Rounds. "Pediatric Hereditary Hemorrhagic Telangiectasia: A Horse in Zebra's Clothing." Andrew White, dir., pediatric residency program, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Biologically Inspired Approaches to Drug Delivery for Nerve Regeneration." Shelly E. Sakiyama-Elbert, asst. prof. of biomedical engineering. McDonnell Medical Sciences Bldg., Rm. 426. 362-6040.

Monday, Sept. 27

Noon. Biology Seminar. "Early Nervous System Evolution: An Era of Skinbrains?" Nick Holland, Scripps Inst. of Oceanography, U. of Calif., San Diego. Rebstock Hall, Rm. 322. 935-6808.

Noon. CNSI and Neurology Research Seminar. "Intra-CNS Lipoprotein

Metabolism: Control of CNS apoE Levels, Lipidation, and Its Effects." David M. Holtzman, Andrew B. and Gretchen P. Jones and Charlotte and Paul Hagemann Professor and chair of neurology. Maternity Bldg., Schwarz Aud. 362-9460.

Noon. Molecular Biology & Pharmacology Seminar. "Chemical Models for Cation-pi Interactions." George Gokel, prof. and director of biology program in molecular biology and pharmacology. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

4 p.m. Immunology Research Seminar Series. "Novel Targets in the Pathogenesis of Systemic Autoimmunity." Stanford Peng, asst. prof. of medicine. Eric P. Newman Education Center. 362-2763.

4 p.m. Physics Seminar. "A Novel Approach to Promote Structural Order and Stability in Magnetic Metal Surfaces/Interfaces." C.V. Ramana, prof. of chemistry, U. of Mo.-Rolla. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

7 p.m. Architecture Monday Night Lecture Series. "Found." Louise Harpman and Scott Specht, architects, Harpman/Specht Architects, New York. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

Tuesday, Sept. 28

8:30 a.m.-4:30 p.m. St. Louis STD/HIV Prevention Training Center. "STD Update." (Continues 8:30 a.m.-4:30 p.m. Sept. 29, 30 & Oct. 1.) Cost: \$75. Becker Medical Library, Rm. 601A. 747-1522.

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Frontiers in Molecular Biology — The Surprising Biology of Short RNAs." Philip A. Sharp, Institute Professor of the Department of Biology and dir., McGovern Inst. for Brain Research, MIT. Cori Aud., 4565 McKinley Ave. 362-3692.

4 p.m. Anesthesiology Research Seminar Series. "Slo3: An 'Orphan' Ion Channel." Chris Lingle, principal investigator, dept. of anesthesiology. Clinical Sciences

How to submit 'University Events'

Submit "University Events" items to Genevieve Podleski of the *Record* staff via:

- (1) e-mail — recordcalendar@wustl.edu;
- (2) campus mail — Campus Box 1070; or
- (3) fax — 935-4259.

Upon request, forms for submitting events may be e-mailed, mailed or faxed to departments, and they may fill them out and return them.

Deadline for submissions is noon on the Thursday eight days prior to the publication date.

University Events lists happenings sponsored by the University or its departments, schools, centers, organizations and recognized student organizations. It usually covers a 13-day time period from the Friday publication date to a week from the next Wednesday.

Research Bldg., Rm. 5550. 362-8560.

Wednesday, Sept. 29

8 a.m.-1 p.m. Health Administration Program Lecture. Frank R. Bradley Executive Lecture Series. "Health Care in America: Keeping Quality Health Care Affordable and Accessible." Scott Serota, president and chief executive officer, Blue Cross Blue Shield Assoc., keynote speaker. Cost: \$35. Eric P. Newman Education Center. To register: 362-4277.

11 a.m. Assembly Series. School of Law Lecture. "John Ashcroft's Paradigm of

Prevention and the Future of Civil Liberties." David Cole, prof. of law, Georgetown U. Co-sponsored by the School of Law "Access to Justice" Public Interest Law Speakers Series. Anheuser-Busch Hall, Rm. 310. 935-5285.

12:30 p.m. Academic Women's Network Brown Bag Lunch Seminar. "They Never Seem to Hear Me: Gendered Communication in the Academy." Paaige K. Turner, dept. of communications, Saint Louis U. Cori Aud., 4565 McKinley Ave. 362-6040.

7 p.m. Architecture Monday Night Lecture Series. "Modern Architecture in St. Louis." Eric Mumford, assoc. prof. of architecture. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

Thursday, Sept. 30

7:55 a.m.-8 p.m. Siteman Cancer Center CME Course. "Advances in the Biology, Diagnosis and Treatment of Solid Tumor and Hematologic Malignancies." (Continues 7:30 a.m.-3:30 p.m. Oct. 1.) Cost: \$200 for physicians, \$80 for allied health professionals. Missouri History Museum in Forest Park. To register: 362-6891.

Noon. Genetics Seminar Series. "Cardiovascular Development in Zebrafish." Didier Stainier, dept. of biochemistry & biophysics, U. of Calif., San Francisco. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Ophthalmology & Visual Sciences Seminar Series. "The Photoreceptor Nuclear Nr2e3 Promotes Rod Development by Interacting With Crx." Shihming Chen, asst. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-1006.

Friday, Oct. 1

Noon. Cell Biology & Physiology Seminar. "Sub-cellular and Multicellular Signal Transduction Mechanisms of Glucose-stimulated Insulin Secretion." David W. Piston, assoc. prof. of molecular physiology & biophysics, Vanderbilt U. McDonnell Medical Sciences Bldg., Rm. 426. 362-6630.

Saturday, Oct. 2

8 a.m.-1:30 p.m. Medicine CME Course. "Breast Health & Disease for Primary Care Providers." Cost: \$90 for physicians, free for allied health professionals and trainees. Eric P. Newman Education Center. 362-6891.

Monday, Oct. 4

8:30 a.m.-4:30 p.m. Center for the Application of Engineering Technology Two-Day Workshop. "Offshore Project Management Fundamentals." (Continues 8:30 a.m.-4:30 p.m. Oct. 5.) Cost: \$1,060, reduced fees available to member organizations.) CAIT, 5 N. Jackson Ave. To register: 935-4444.

Noon. Molecular Biology & Pharmacology Seminar. Raymond Deshaies, assoc. prof. of structural, molecular and cell biology, Calif. Inst. of Technology. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

Noon. Work, Families, & Public Policy Brown Bag Seminar Series. "Long-Term Care of the Disabled Elderly: Spouses, Children, and Stepchildren." Robert A. Pollak, Robert E. Hernreich Distinguished Professor of Economics. Eliot Hall, Rm. 300. 935-4918.

4 p.m. Immunology Research Seminar Series. "Mechanisms of Immune Recognition and Evasion." Daved Fremont, assoc. prof. of pathology & immunology. Eric P. Newman Education Center. 362-2763.

4 p.m. Physics Seminar. "How Does Physics Matter in Biomaterials?" Jay X. Tang, asst. prof. of physics, Brown U. Whitaker Hall, Rm. 100. 935-6276.

7 p.m. Architecture Monday Night Lecture Series. 2004 Coral Courts Lecture. "Reflections and Recent Work." Carlos Jimenez, architect, principal, Carlos Jimenez Studios, Houston. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

Mumford to speak on new book

By LIAM OTTEN

Eric Mumford, Ph.D., associate professor and director of the Urban Design Program in the School of Architecture, will speak on "Modern Architecture in St. Louis" at 7 p.m. Sept. 29 in Steinberg Auditorium.

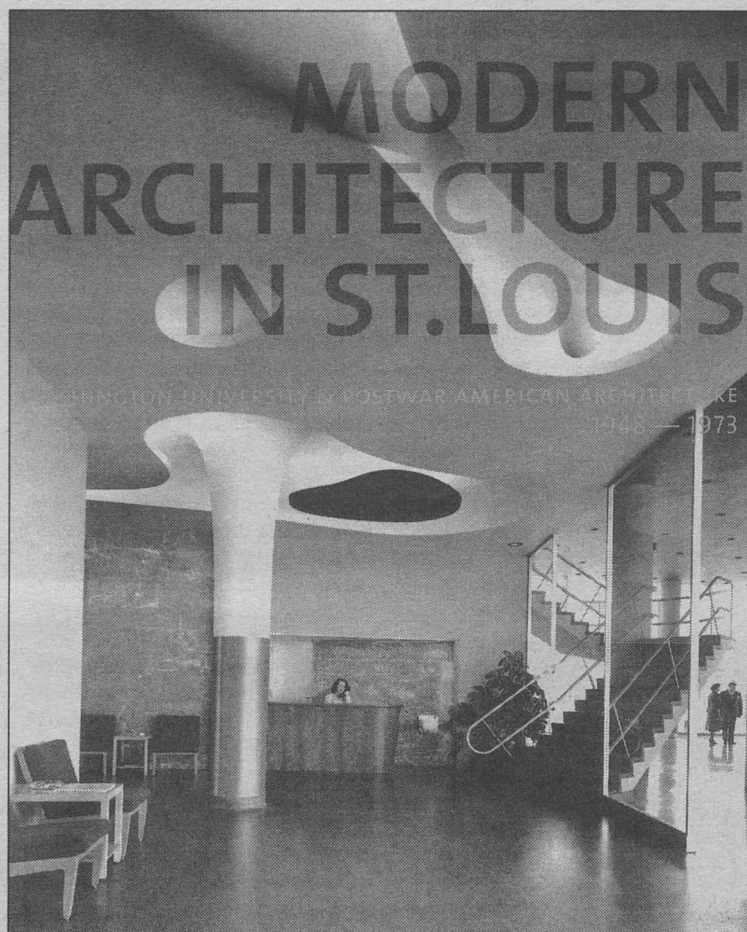
Mumford recently edited *Modern Architecture in St. Louis: Washington University & Postwar American Architecture, 1948-1973* (2004), the first in-depth survey of modern architecture as it evolved in St. Louis. Topics include a history of Eero Saarinen's Gateway Arch; modernist sacred architecture in the city and surrounding suburbs; and the prominent role played by the School of Architecture, its faculty and alumni.

Principal essays are by Mumford; Hélène Lipstadt, a director of the firm Docomomo US and research affiliate at Massachusetts Institute of Technology; and Kathleen James-Chakraborty, as-sociate professor of architecture at the University of California, Berkeley.

The book also features a personal history by Constantine Michaelides, dean of architecture from 1973-93, and memoirs by his immediate predecessors, Joseph Passonneau and George Anselevicius.

Fumihiko Maki, the Pritzker Prize-winning former faculty member and current Sam Fox Arts Center architect, also contributed a memoir, as did alumnus Gyo Obata, a founding principal of Hellmuth, Obata + Kassabaum, the international firm headquartered in St. Louis.

Modern Architecture in St. Louis is published by the School of Architecture and distributed by University of Chicago Press. The book, which includes more than 100 archival photographs and drawings, was designed by Ken Botnick, associate professor of art, and Ben Kiel at the emdash company in St. Louis. It retails for \$40 and is avail-



Eric Mumford — who will speak at 7 p.m. Sept. 29 in Steinberg Auditorium — recently edited *Modern Architecture in St. Louis: Washington University & Postwar American Architecture, 1948-1973*.

able at the Campus Store.

Mumford came to the School of Architecture in 1994. He is the author of *The CIAM Discourse on Urbanism, 1928-1960* (2000), the only book-length history of the International Congress of Modern Architecture. He has published and lectured nationally and internationally on CIAM, Josep Lluís Sert and various aspects of 20th-century architecture and urbanism.

His many honors include three grants from the Graham Foundation, including one in support of *Modern Architecture in St. Louis*.

Mumford earned a doctorate

from the Princeton University School of Architecture in 1996; a master's of architecture from MIT in 1983, and a bachelor's degree from Harvard College in 1980.

A licensed architect, he practiced in New York City for much of the 1980s and spent a term at the Architectural Association in London in 1981. In spring 2004, he was a visiting associate professor in the Department of Art & Architecture at Harvard.

His lecture is free and open to the public. A reception will be held at 6:30 p.m. in Givens Hall.

For more information, call 935-6200 or go online to www.arch.wustl.edu.

Sports

Football offense struggles in loss at Wabash

The football team dropped to 1-2 after a 21-10 loss at Wabash College Sept. 18 in Crawfordsville, Ind. Washington U. held a 10-0 lead with 8:11 left in the first quarter, but Wabash scored 21 unanswered points as the Little Giants won their 16th-straight home game.

After the Bears defense forced a punt on the opening drive, senior Kevin McCarthy scampered 72 yards on the second play of the series to the Wabash 25-yard line. Three plays later, senior kicker Ben Lambert connected from 40 yards to put WUSTL up 3-0.

Junior Ben Schaub forced a fumble on the first play following the kickoff, and the Bears' offense responded. Senior Adam Meranda scored on a 22-yard touchdown run on the second play from scrimmage to put the Bears up 10-0. Meranda finished the game 9-of-12 for 80 yards, while McCarthy picked up a season-high 111 yards on the ground. The Bears, who were held to 28 yards offense in the second half, allowed 10 sacks.

Sports shorts

The No. 5 volleyball team went 1-2 last weekend at the Second Annual Teri Clemens Invitational. WUSTL opened play by dropping a 3-0 decision to No. 4 Juniata College Sept. 17.

Senior Colleen Winter added another milestone to her career, breaking the school record for career digs. Her 10 digs in that match gave her 1,664 for her career, five more than the previous record, held by Anne Quenette since 1994. Washington U. opened play the

next day with a 3-2 loss against No. 14 Trinity University (Texas). The Bears rallied for a 3-0 sweep in the afternoon against No. 3 Wittenberg University.

The No. 6 women's soccer team extended its winning streak to six games with a 4-0 win over Aurora College on Sept. 17 at Francis Field. The Bears outshot Aurora 30-1 as WUSTL extended its non-losing streak at home to 11 games.

Senior Lindsey Ulkus got the Bears on the board in the 16th minute as she scored her first goal of the year on an assist from junior Megan Morley.

Sophomore Meghan Marie Fowler-Finn scored three minutes later, freshman Katie Campos scored her first collegiate goal in the 78th minute and Fowler-Finn netted her team-leading seventh goal of the season in the 83rd minute.

The men's soccer team split its two matches last week, defeating Illinois Wesleyan University 2-0 on Sept. 16 before falling, 1-0, at Centre College on Sept. 19. Junior Rob Weeks netted the game-winning goal in the second half for the Bears against IWU. Junior David Borton added an insurance goal for the Bears.

The No. 20 women's cross country team won the Division III Challenge Sept. 18 in Whitewater, Wis., posting 48 points in a five-team field. The No. 21 men took second place out of six teams with 64 points, as junior Brennan Bonner won the individual 8K title. Senior Maggie Grabow paced the women's squad, clocking a time of 18:40.43 to take second in the 5K run.

Poet McHugh to speak Sept. 28, read Sept. 30

Poet and translator Heather McHugh, the visiting Fannie Hurst Professor of Creative Literature in the Department of English in Arts & Sciences, will speak on the craft of poetry at 8 p.m. Sept. 28.

In addition, McHugh will read from her poetry at 8 p.m. Sept. 30.

Both events, part of the Writing Program Reading Series, will take place in Hurst Lounge, Dunker Hall, Room 201.

McHugh is the author of more than 10 books, including the poetry collections *Eyeshot* (2003); *The Father of Predicaments* (1999); and *Hinge & Sign: Poems 1968-1993* (1994), a National Book Award finalist.

Other volumes include the essay collection *Broken English: Poetry and Partiality* (1993), and translations of Euripides' *Cyclops* (2001) and *Glottal Stop: 101 Poems by Paul Celan* (2000), the latter with her husband, Nikolai Popov.

"Heather McHugh's poems pivot on riffs of surround sound, but in the center of the eddy are life's most pressing questions; about sex, love, lust; about per-

ception and mentation," said Mary Jo Bang, associate professor of English and poet on the faculty of the Writing Program.

"She's a consummate word-smith whose sense of play and intelligence drives the poems to their always right but ever surprising conclusions: 'Is love / only cupidity? (In a silver twist, / a spire's unfixed. Now it's a spear.)'"

McHugh's honors include two grants from the National Endowment for the Arts, the Griffin Poetry Prize, the Pollock/Harvard Book Review Prize and a Guggenheim Foundation fellowship.

She is a chancellor of the Academy of American Poets, and in 2001 she was elected fellow of the American Academy of Arts and Sciences.

McHugh lives in Seattle, where she is the Milliman Distinguished Writer-in-Residence at the University of Washington.

Both events are free and open to the public with receptions to follow. Copies of McHugh's books will be available for purchase after the Sept. 30 reading.

For more information, call 935-7130.

Tuesday, Oct. 5

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Prions Bare All: Proteins That Elicit Disease or Expose Diversity." Heather L. True-Krob, asst. prof. of cell biology & physiology. Cori Aud., 4565 McKinley Ave. 747-2132.

7 p.m. Architecture Monday Night Lecture Series. "Immateriality & Transparency." Juhani Pallasmaa, Raymond E. Maritz Visiting Professor of Architecture. (6:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

Wednesday, Oct. 6

8:30 a.m.-4:30 p.m. Center for the Application of Engineering Technology Two-Day Workshop. "IT as a Service Organization." (Continues 8:30 a.m.-4:30 p.m. Oct. 7.) Cost: \$1,195, reduced fees available to member organizations.) CAIT, 5 N. Jackson Ave. To register: 935-4444.

12:30 p.m. Academic Women's Network Brown Bag Lunch Seminar. Panel Discussion: "Managing the Lab: The Faculty Perspective." John Atkinson, prof. of medicine, Susan Dutcher, prof. of genetics, Robert Mecham, prof. of cell biology & physiology, Kelly Moley, assoc. prof. of obstetrics & gynecology, and Skip Virgin, prof. of pathology & immunology. Cori Aud., 4565 McKinley Ave. 362-6040.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Single-Molecule Visualization of Protein-DNA Interaction." Stephen C. Kowalczykowski, prof. of microbiology, U. of Calif.-Davis. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, Oct. 7

8:30 a.m.-4:45 p.m. Center for Health Policy Ethnic & Racial Disparities in Health Care Conference. Eric P. Newman Education Center. 935-5652.

11 a.m. Assembly Series. College Republicans/Conservative Leadership Alliance Lecture. "The 2004 Election: What's at Stake?" William Kristol, editor and publisher of *Weekly Standard*. Co-sponsored by the School of Law "Access to Justice" Public Interest Law Speakers Series. Graham Chapel. 935-5285.

Noon. Genetics Seminar Series. "Multifaceted Translational Regulation in *Drosophila* Body Patterning." Paul MacDonald, prof. and chair of molecular cell & developmental biology, U. of Texas. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Ophthalmology & Visual Sciences Seminar. "Activation of Astrocytes by the Epidermal Growth Factor Receptor." Arthur H. Neufeld, Bernard Becker Professor of Ophthalmology. Maternity Bldg., Rm. 725. 362-1006.

Worship

Saturday, Sept. 25

10 a.m. Yom Kippur Explanatory Service. Rabbi Hershey Novack, officiant. Sponsored by Chabad on Campus. Bais Abraham, 6910 Delmar Blvd. Reservations suggested: 721-2884.

Thursday, Oct. 7

10 a.m. Simchat Torah Festival. Sponsored by Chabad on Campus. Bais Abraham, 6910 Delmar Blvd. Reservations suggested: 721-2884.

Sports

Sunday, Sept. 26

1 p.m. Men's Soccer vs. Millikin U. Francis Field. 935-4705.

3 p.m. Women's Soccer vs. Millikin U. Francis Field. 935-4705.

Tuesday, Oct. 5

7 p.m. Men's Soccer vs. Webster U. Francis Field. 935-4705.

And more...

Monday, Sept. 27

11 a.m.-2 p.m. Annual "Spirit of St. Louis" event. Sale, prizes and volunteer

information. Mallinckrodt Student Center, Campus Store. 935-5500.

4:30 p.m. Student Union Educate Yourself: 2004 Panel Discussion. "Labor Relations." Rebstock Hall, Rm. 215. 935-7878.

Wednesday, Sept. 29

4 p.m. Career Center Event. "How to Find a Transitional Program." Umrath Hall, Rm. 157, The Career Center. 935-5930.

Thursday, Sept. 30

4 p.m. Dance Program Lecture/Demonstration. *Gus Solomons jr Tells All.* Gus Solomons jr, dancer/choreographer. Mallinckrodt Student Center, Annelise Mertz Dance Studio. 935-5858.

Friday, Oct. 1

11 a.m.-noon. Olin Weston Career Resources Center Event. WCRC Junior On-campus Recruiting Training. Open to business, economics and math students. Simon Hall, Rm. 120. 935-8303.

Monday, Oct. 4

4:30 p.m. Student Union Educate Yourself: 2004 Panel Discussion. "The Political Process." Rebstock Hall, Rm. 215. 935-7878.

Tuesday, Oct. 5

5 p.m. Career Center Event. Resume & Cover Letter Writing. Umrath Hall, Rm. 157, The Career Center. 935-5930.

Wednesday, Oct. 6

4 p.m. Olin Weston Career Resources Center Event. WCRC Junior On-campus Recruiting Training. Open to business, economics and math students. Simon Hall, Rm. 106. 935-8303.

5 p.m. Career Center Event. Interviewing Skills 101. Umrath Hall, Rm. 157, The Career Center. 935-5930.

Thursday, Oct. 7

4 p.m. Career Center Event. Job Search Strategies. Umrath Hall, Rm. 157, The Career Center, 2nd Fl. Conf. Rm. 935-5930.

Sale at Campus Store Sept. 27

The Campus Store in Mallinckrodt Student Center will hold its seventh annual "Spirit of St. Louis" event from 11 a.m.-2 p.m. Sept. 27.

The store will offer discounts of 20 percent on presidential debate merchandise, 25 percent on bargain books, 20 percent on St. Louis titles and 20 percent on *Beginning a Great Work: Washington University in St. Louis, 1853-2003*, written by Candace

O'Connor. Discounts cannot be combined with any other offers.

There will also be drawings for prizes, including a DVD player and a mountain bike.

Representatives from area civic and cultural institutions will be on hand to meet with customers to inform them of upcoming volunteer opportunities.

For more information, call the Campus Store at 935-5500.

— Neil Schoenherr

Founders

— from Page 1

Nicholas Dopuch

Dopuch, Ph.D., has been the Hubert C. and Dorothy R. Moog Professor of Accounting in the Olin School of Business since 1983.

He is widely credited with revitalizing the Olin School's doctoral program — which he headed until recently — and for instituting high academic and research standards in the accounting program.

He earned a bachelor's degree from Indiana State University (1957) and master's (1959) and doctoral (1961) degrees from the University of Illinois, all in accounting. Prior to his tenure at Washington University, Dopuch taught at the universities of Chicago and Illinois and Indiana University.

Dopuch has edited the *Journal of Accounting Research* and has served on the editorial board of several professional publications. A prolific writer, he has published more than 30 research papers and four books and monographs.

He has received the American Institute of Certified Public Accountants Award twice and an Outstanding Auditing Educator Award, both from the American Accounting Association. In 2001, he was inducted into the Accounting Hall of Fame.

His encouragement to his colleagues to support the Campaign for Washington University resulted in 100 percent involvement from Olin School faculty during the quiet phase. In addition, he and his wife, Barbara, have sponsored the Dopuch Scholarships since 1998.

Milorad P. Dudukovic

Dudukovic, Ph.D., holds the Laura and William Jens Professorship of Environmental Engineering, chairs the Department of Chemical Engineering and directs the Chemical Reaction Engineering Laboratory, all in the School of Engineering & Applied Science.

A native of Serbia (former Yugoslavia), he earned a bachelor's degree in chemical engineering from the University of Belgrade and master's and doctoral degrees from the Illinois Institute of Technology, where he also taught reaction engineering.

After a brief stint at Ohio University, Dudukovic joined the Washington University faculty in 1974 as associate professor of chemical engineering.

Early in his tenure, Dudukovic developed the Chemical Reaction Engineering Laboratory as an

interface for transferring technology from academia to industry.

His unique approach and emphasis on creating environmentally benign processes while developing improved models and producing new materials created such a favorable response from the industry sector that industrial sponsorship grew from three companies in 1975 to 20 by the 1990s. His techniques have led to worldwide recognition and research support from government and private sources in five continents.

Dudukovic has been a director of the American Institute of Chemical Engineers' (AIChE) St. Louis chapter and director of the Reaction Engineering and Catalysis Division of the national AIChE.

He has published more than 250 articles in journals and also served as associate editor for *Industrial and Engineering Chemistry Research*.

Among his many awards, he has been recognized with two NASA certificates of excellence for research on silicon crystal growth and with the AIChE's R.H. Wilhelm Award.

Dudukovic has been named Engineering Professor of the Year five times.

Beata Grant

Grant, Ph.D., is professor of Chinese language and literature in the Department of Asian and Near Eastern Languages and Literatures and director of the Religious Studies Program, both in Arts & Sciences.

She earned a bachelor's degree (1976) in Oriental studies from the University of Arizona and master's (1981) and doctoral (1988) degrees in Chinese language and literature from Stanford University.

After graduation, she held a Rockefeller Postdoctoral Fellowship at the University of California, Berkeley, and in the fall of 1989 she joined Washington University as an assistant professor in the Asian and Near Eastern languages and literatures. She became a full professor in 2003 and just retired from her post as department chair.

Grant's area of specialization covers Buddhism and Chinese literature. Her first book, 1994's *Buddhism in the Life and Writings of Su Shih (1036-1101)*, published in, was followed in 2003 by *Daughters of Emptiness: Poems of Chinese Buddhist Nuns*. Introducing the nuns' poems to the English-speaking world, Daughters highlights their poetry, which was written between the fourth and 20th centuries.

In the years between her books, Grant published a number of articles on the relatively new

ics and molecular biology — genomics. The FIBR program is removing the limits biologists have found increasingly frustrating in recent years when seeking funding and finding they can't continue research because they've hit a technological barrier they can't cross.

Pakrasi and his collaborators first obtained a \$50,000 NSF planning grant in 2003 to explore the topic and provide a seminar to delineate the problem and develop a plan.

In 2004, they drew up a proposal to NSF, one of 100 proposals the FIBR program considered. Washington University is one of six institutions to receive FIBR funding this year.

Team members of "A Systems Approach to Study Redox Regulation of Functions of Photosynthetic Organisms," include Rajeev Aurora, Ph.D., of Saint Louis University; Kenneth D. Belanger, Ph.D., professor of biology at Colgate University; Bijoy K. Ghosh, Ph.D., WUSTL professor of electrical and systems engineering; and Ralph S. Quatrano, Ph.D., the Spencer T. Olin Professor at WUSTL and chair of the

Keynote speaker Matthews

Giving the keynote address at this year's Founders Day event is broadcast journalist Chris Matthews.

The creator and host of MSNBC's *Hardball With Chris Matthews* also is the star of NBC's *The Chris Matthews Show*.

Before joining the NBC team, Matthews reported for the *San Francisco Examiner* and also wrote a nationally syndicated column for the *San Francisco Chronicle*.

Matthews is anchoring MSNBC's election coverage during the presidential campaign and has twice won *The Washington Post's* Crystal Ball Award for successfully predicting past elections.

Before his journalism career, he was a speechwriter and White House aide to President Jimmy Carter; top assistant to the late Sen. Thomas "Tip" O'Neill Jr., D-Mass.; staff assistant to the U.S. Senate Budget Committee; and legislative assistant to the late Sen. Frank Moss, D-Utah.

Matthews is the author of four best-selling books: *Hardball*, (1988); *Kennedy & Nixon* (1996); *Now, Let Me Tell You What I Really Think* (2001); and *American: Beyond Our Grandest Notions* (2002).

— Barbara Rea

area of women's writing in pre-modern China. She has also collaborated with a colleague on a comprehensive survey of pre-modern Chinese women's writings in *The Red Brush: Women Writers of Imperial China*.

Her teaching ranges from women's literature of pre-modern China to gender and religion in Chinese literature, as well as introductory courses in Buddhism and East Asian religions. She received the 1999 Governor's Award for Excellence in Teaching from the Coordinating Board of Higher Education, and also two Kemper faculty grants to improve learning.

Lucy Lopata

Born in Germany in 1914, Lopata was educated in Germany and Switzerland before immigrating to the United States in 1934. She came to St. Louis, where she met and married Stanley Lopata, a 1935 Arts & Sciences alumnus.

In 1945, the couple founded Carboline Corp., a corrosion-resistant, fireproof and waterproof coatings company, with the first headquarters located in their basement. True partners, he manufactured and sold the products, while she managed the office. They sold Carboline in 1979

biology department.

Senior investigators are Richard D. Smith, Ph.D., of the Pacific Northwest National Laboratories; Yukako Hihara, Ph.D., of Saitama University in Japan; and Victoria L. May, director of the WUSTL Science Outreach Program.

A major component of the grant is education. It will extend to St. Louis-area high schools via the Science Outreach Program, which keeps K-12 teachers and students up-to-date in science and engineering trends. Undergraduate, graduate and postdoctoral researchers will get hands-on experience with the "new biology," which today comprises a good dose of mathematical, statistical and computational skills.

"Associated with this approach is a huge deluge of data," Pakrasi said. "Few biologists today are prepared to handle that, yet we can't escape it."

"We give our students lots of biology and chemistry, but in most instances our biology students are not taking that much math or statistics. In the future our students will have to learn these areas. The FIBR grant provides excellent opportunities to embark into this

to Sun Oil Refining and Marketing Co.

Every school at the University has been a recipient of their support, and several campus buildings bear their name: the School of Engineering & Applied Science's Lopata Hall; three Lopata courtyards, in the schools of engineering, business and social work; and Lopata Classroom in McDonnell Hall.

All eight schools offer Lopata scholarships, and professorships in chemical and biomedical engineering bear their name. In 2001, the Lucy and Stanley Lopata House in The Village was dedicated, and the Lopata Classic basketball tournament is an annual celebration of NCAA Division III scholar-athletes.

For her extraordinary generosity, Lopata received the University's highest honor — an honorary doctorate of humanities — in 2002. She is a Life Member of the William Greenleaf Eliot Society's Danforth Circle. Active in University life, she is a past member of the Alumni Board of Governors, former chair of the Alumni Travel Program and a founding member of the Friends of Music's Executive Advisory Committee.

As a couple, Lucy and Stanley Lopata were inducted into the University's Athletic Hall of Fame, and they received the Dean's Medal Award from the George Warren Brown School of Social Work.

Lopata's generosity does not stop with Washington University. She has held leadership positions with the Jewish Federation, the Jewish Community Centers, the Jewish Federation Women's Division, Opera Theatre of St. Louis, The Repertory Theatre of St. Louis, the Churchill School, Jewish Family and Children's Services, the Center of Contemporary Arts and The Sheldon.

In addition, she helped found the Miriam School and the Sophia M. Sachs Butterfly House in Faust Park.

Among her many community honors are a Woman of Achievement Award, the Shining Star Award and the National Society of Fund Raising Executives' Outstanding Philanthropist Award.

Eric Pfeiffer Newman

Eric Newman was born in St. Louis in 1911. He earned a bachelor's degree from Massachusetts Institute of Technology in 1932 and a juris doctoris from WUSTL in 1935.

After practicing law for 52 years, he retired from Edison Brothers Stores in 1987 and now serves as president of the Harry Edison Foundation.

As one of America's foremost numismatists, Newman is re-

nowned for his scholarly contributions to the subject and for his exceptional private collection of U.S. and Colonial American coins and paper money. The avocation began more than eight decades ago, when his grandfather gave him an 1859 U.S. copper-nickel cent.

Selections from his collection will soon be displayed in the University's Newman Money Museum, which will occupy 3,000 square feet in the Mildred Lane Kemper Art Museum at the Sam Fox Arts Center.

He is a member of the American Numismatic Association (ANA) and the American Numismatic Society (ANS) and has received a number of awards from these organizations, including each of their highest honors: the ANA's Farran Zerbe Memorial Award and the ANS's Huntington Medal.

He was inducted into the ANA Numismatic Hall of Fame in 1986, and 10 years later he was named Numismatist of the Year.

Most recently, Newman received the Burnett Anderson Memorial Award for Excellence in Numismatic Writing.

He holds an honorary doctor of humane letters degree from the University of Missouri.

Over the years, he and wife Evelyn have been active members in the University community.

Through a family foundation, the Eric P. Newman Education Center at the School of Medicine was established, and support for scholarship funds and professorships has been provided.

Newman served on the University Libraries' national council for many years. He was given a Distinguished Alumni Award in 1992 and the School of Law Alumni Award in 1994.

Evelyn Edison Newman

Evelyn Newman was born in 1920 in Atlanta but moved with her family to St. Louis in 1929. She attended Goucher College and Washington University.

Her marketing concepts firm, the Evelyn E. Newman Group, primarily assists not-for-profit clients in their mission and revenue-producing efforts.

She is the creator of several unique fund-raising projects that are now considered local traditions, among them: the Greater St. Louis Book Fair to benefit the Nursery Foundation of St. Louis; the Scholarship for the Scholarship Foundation of St. Louis; the Little Shop Around the Corner for the Missouri Botanical Garden;

the Camelot Auction to benefit the Arts & Education Council; Gypsy Caravan for the Saint Louis Symphony Orchestra; the Country Store and Flea Market for the Missouri Historical Society; the Wishing Well for Barnes-Jewish Hospital; and Red Cross Buns for the American Red Cross.

Many St. Louis landmarks have benefited from her professional expertise. In the 1980s, her firm helped revitalize St. Louis Union Station.

More recently, she has served as executive director of Forest Park Forever, an organization leading the march for its rehabilitation and preservation.

In addition, Newman conceived, raised funds for and directed the construction and operation of the Sophia M. Sachs Butterfly House in Faust Park.

Newman received the St. Louis Woman of Achievement Award in 1959 and was the first person to receive the Arts & Education Council's Award for Lifetime Achievement.

In 1981, she was awarded an honorary doctorate of humane letters from the University of Missouri and last year received the Spirit of Philanthropy Award by the Association of Fundraising Professionals of St. Louis.

Biology

— from Page 1

which is why Pakrasi and his group want to study the organisms so closely.

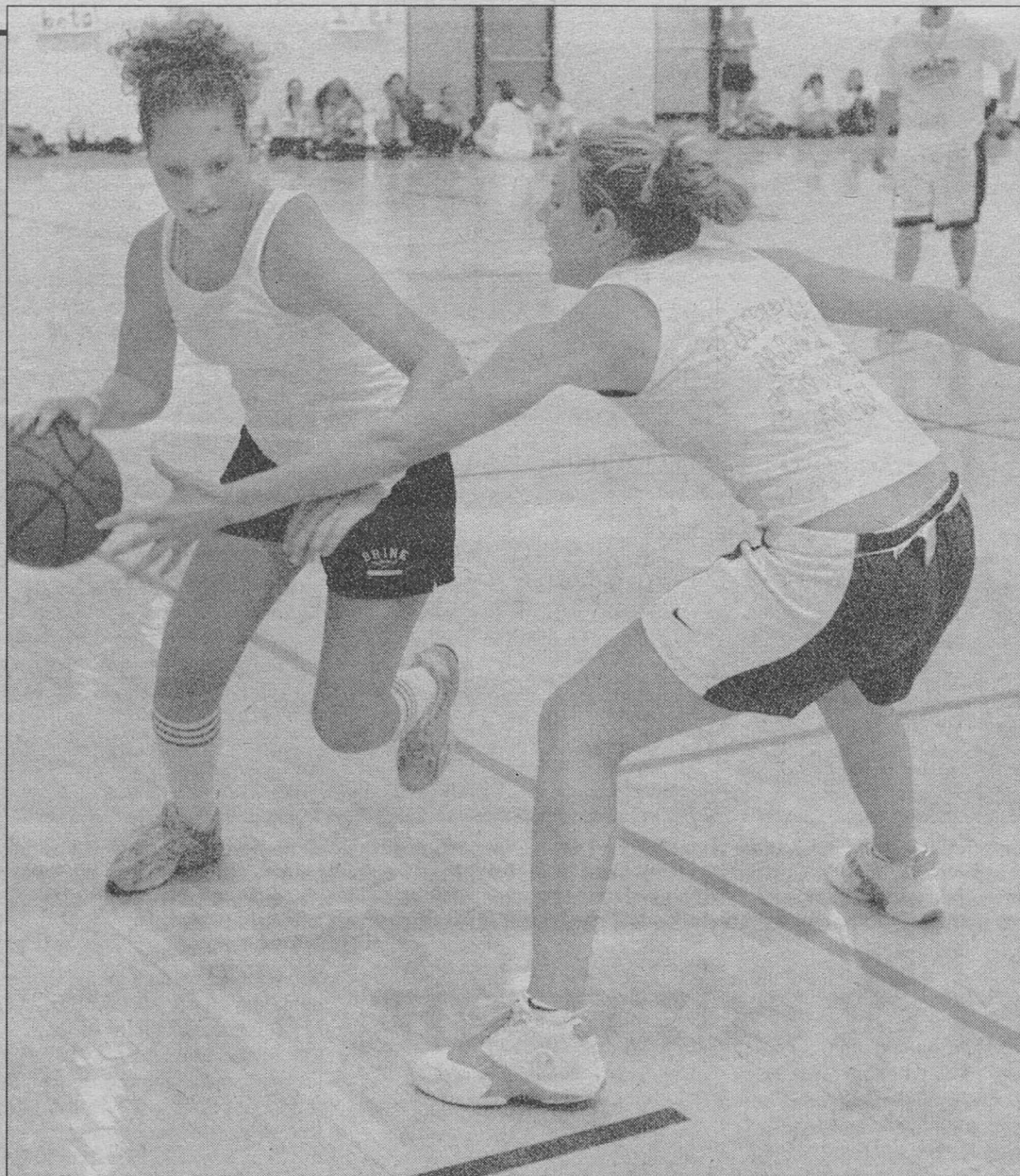
"The basic goal of the project is to model the networks that cyanobacteria, a model vascular plant called *Arabidopsis* and the nonvascular moss *Physcomitrella* use to handle this chemical environment," Pakrasi said. "We're approaching this in a systematic way, using global genome-based information on all three organisms."

"We've recruited colleagues outside our area to assist in tackling the project. This kind of interdisciplinary approach is exemplary of the 'new biology.'"

Both cyanobacteria and *Arabidopsis* have been fully sequenced, and there are imminent plans for the sequencing of *Physcomitrella* (see Sept. 3, 2004, *Record*, Page 1).

Started in 2002, FIBR stresses the integrative approach to studying biology, linking the disciplines of systems and computer science — bioinformatics — with genet-

Notables



Net profits Junior Jenny Beach (right), member of the Kappa Kappa Gamma team, guards sophomore Shelby Kamenstein, member of the Alpha Epsilon Phi team, during the 2004 Sam-E-Phi Trotters Charity Basketball Tournament Sept. 18 in the Athletic Complex. Twelve student teams participated in separate men's and women's divisions. Proceeds from the event benefited the Pediatric AIDS Foundation.

Debate

Shuttles will be available from West Campus through Oct. 7

— from Page 1

start running around campus, because parking will be severely impacted from Oct. 1-8 as well.

From Oct. 1-7, parking on the western end of the Hilltop Campus will become progressively more challenging. Parking will be available at West Campus, with shuttle service to the Hilltop available through Oct. 7.

Then on Oct. 8, parking throughout the Hilltop Campus will be significantly restricted, and vehicle access will be limited to those with a University-issued or other authorized parking permit. Shuttle service between the Hilltop and West campuses will not be possible because shuttles will not be able to use Forsyth Boulevard.

• Also on Oct. 8, no classes will be held after 3 p.m. At 3:30 p.m. all buildings on the Hilltop Campus will be locked and access to all offices and classrooms will require key-card access and authorized identification. If possible, Hilltop employees should consider working from home.

• Individuals and groups may gather for the peaceful expression of opinions Oct. 8 at the public demonstration area, located on the University's intramural field at the southeast corner of Big Bend Boulevard and Forsyth. Call the Office of Event Services at 935-5324 for more information. All who wish to speak in this area must register in advance.

• No guests will be allowed in the Hilltop residential hall areas and fraternity houses Oct. 8. Only individuals with a current valid WUSTL ID will have access to any University residential areas.

• Students, faculty and staff who will be on the Hilltop Campus Oct. 8 must have a current, valid WUSTL ID or an official University-issued credential. Only those persons who are properly credentialed may enter or remain in the secure perimeter surrounding the Athletic Complex or at other times as determined by security personnel.

Heart

Exercise found to be as effective as the drug in reducing key health factors

— from Page 1

medication group, there were three participants whose blood pressure did not respond to treatment and who were referred back to their primary care physicians for further treatment.

A total of 28 volunteers who averaged 66 years of age completed the six months of the study — 16 in the exercise group, 12 in the medication group.

As expected based on previous studies, the medication was about twice as effective in lowering systolic blood pressure — the top number in a blood pressure reading.

But the team found that exercise was as effective as the drug in reducing other key health factors, such as the thickness of the heart muscle in the lower chambers of the heart, called the heart wall.

A key finding, according to Ehsani, was that exercise was as effective as hydrochlorothiazide in reducing the overall mass of the heart.

"One of the most dangerous effects of high blood pressure is its effect on heart mass," he said. "When you have high blood pressure, the heart has to work harder to pump blood to the rest of the body, which in turn results in a condition called hypertrophy, or an increase in the heart's mass."

"Hypertrophy itself predisposes patients to conditions like heart-rhythm abnormalities and can lead to heart failure."

Ehsani's team also evaluated the effect of the two treatments on metabolic conditions such as resistance to insulin, a precursor to diabetes. Exercise significantly reduced insulin resistance and improved aerobic capacity, whereas hydrochlorothiazide had no effect on either.

"Based on our findings, my view is that patients with the early stages of high blood pressure should try to exercise and lose weight and see what happens," Ehsani said.

"If that doesn't work, they need to be treated with medications. But it's also possible that exercise and drugs have an additive effect in some people, and that some combination of the two will be the best option."

Obituaries

Ryckman, started environmental engineering program

By TONY FITZPATRICK

DeVere W. "Rick" Ryckman, Sc.D., retired professor in the School of Engineering & Applied Science, died Tuesday, Sept. 14, 2004, of complications of lymphoma at St. John's Mercy Medical Center in Creve Coeur, Mo. He was 80 and lived in Ballwin, Mo.

Ryckman was in charge of setting up the environmental engineering department when he came to the University in 1956. He taught here as the A.P. Greensfelder Professor of Engineering for the next 15 years.

Recently, the Environmental Engineering Science Program — now headed by Pratim Biswas, Ph.D., the Stifel and Quinette Jens Professor of Environmental Engineering Science — established the Rick and Betty Ryckman Lecture Series. The annual event invites people to further promote environmental engineering science education.

Ryckman was reared on a farm in South Boardman, Mich. During World War II he served in the Navy as a member of the construction battalion, stationed in the Pacific. After the war, Ryckman earned a bachelor's degree in civil engineering from Rensselaer Polytechnic Institute in Troy, N.Y. He earned a master's from Michigan State University, and a doctorate from Massachusetts Institute of Technology, both in environmental engineering.

From 1963-1975, Ryckman was a partner in the environmental consulting firm RETA (Ryckman, Edgerly Tomlinson and Associates). In 1975, he founded REACT (Ryckman, Emergency, Action and Consulting Team), which continues today on Sixth Street. His son, Stewart Ryckman of Ladue, is president of the company. His other son, Mark D. Ryckman of Atlanta, is the principal engineer of Remtech Engineers, another engineering consulting firm in Marietta, Ga.

Ryckman was a member of the William Greenleaf Eliot Society, the First Congregational Church of Webster Groves, Mo., and the St. Louis downtown Rotary Club. He served on the board of the Salvation Army. He was a recipient of the Fuller Award from the American Water Works association and the Stanley E. Kappe Award from the American Academy of Environmental Engineers.

Besides his sons, among the survivors are his wife of 55 years, Betty J. Ryckman; a daughter, Jill Ferguson of Chicago; three brothers, Seymour Ryckman of Dayton, Ohio, William Ryckman of north-

ern Michigan, and Clesson Ryckman of south Boardman; two sisters, Gene Woodhams of northern Michigan and Virgil Uitvugt of Battle Creek, Mich.; and seven grandchildren.

Memorial contributions may be made to first Congregational Church of Webster Groves, 10 W. Lockwood Ave., St. Louis, MO 63119, or the Salvation Army, 1130 Hampton Ave., St. Louis, MO 63139.

Wonsley, 54

Leon Wonsley, a maintenance mechanic and plumber with facilities until going on disability leave in 2002, died Monday, Sept. 20, 2004, at his home in St. Louis. He was 54.

Born in 1947 in Twist, Ark., Wonsley arrived at the University in September 1971 and started working as a laborer in facilities. In 1973, he became an equipment operator before progressing through the ranks as a fireman, oiler and maintenance helper.

He became a maintenance mechanic in 1993.

"He was the most respected mechanic that we have," said Steve Valli, green zone manager in facilities and Wonsley's supervisor. "He always had a smile and positive attitude about any difficult job he needed to do. He will be missed."

He is survived by his fiancée, Alberta Jefferson; three children; four stepchildren; and 17 grandchildren.

A visitation will be from 4-9 p.m. Sept. 27 at Austin Layne Funeral Home, 7239 W. Florissant Ave., Jennings, MO.

The funeral will be at noon Sept. 28 at Austin Layne Funeral Home.

Powers, 79

Mary Ellen Powers, former faculty assistant, died Monday, Sept. 13, 2004, after an illness. She was 79.

Powers spent the majority of her 31-year University career at the School of Law. She retired in 2000.

Powers was mother to 13 children, Ellen Powers, Ann Brune, Patrice Jones, Maureen Powers-Todd, Kathleen Muraski, Margaret Edwards, Thomas, Kevin, Tim, Michael, Jim, Robert and the late John Powers.

Among her other survivors are 22 grandchildren and her brother, Brian O'Neill.

A funeral Mass was held at St. Joseph Church in Clayton, and interment was at Calvary Cemetery.

Campus Watch

The following incidents were reported to University Police **Sept. 15-21**. 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.

Sept. 16

3:34 p.m. — A person stated that he left two boxes containing his computer in the Sigma Chi fraternity house when school ended in May. When he returned to school in September, the boxes were missing. An investigation is continuing.

Sept. 19

6:12 p.m. — A student reported that sometime between Sept. 13-17, he lost his wallet somewhere on campus. Total loss is estimated at \$13.

Sept. 21

7:41 — A person stated that he had left his telephone in his bag in Whispers Café in Olin Library. He left the bag unattended for a short period of time, and when he returned, the phone was gone. An investigation is continuing.

Additionally, University Police responded to two reports of trespassing and one report each of lost article, traffic violation, larceny, harassment and auto accident.

Washington People

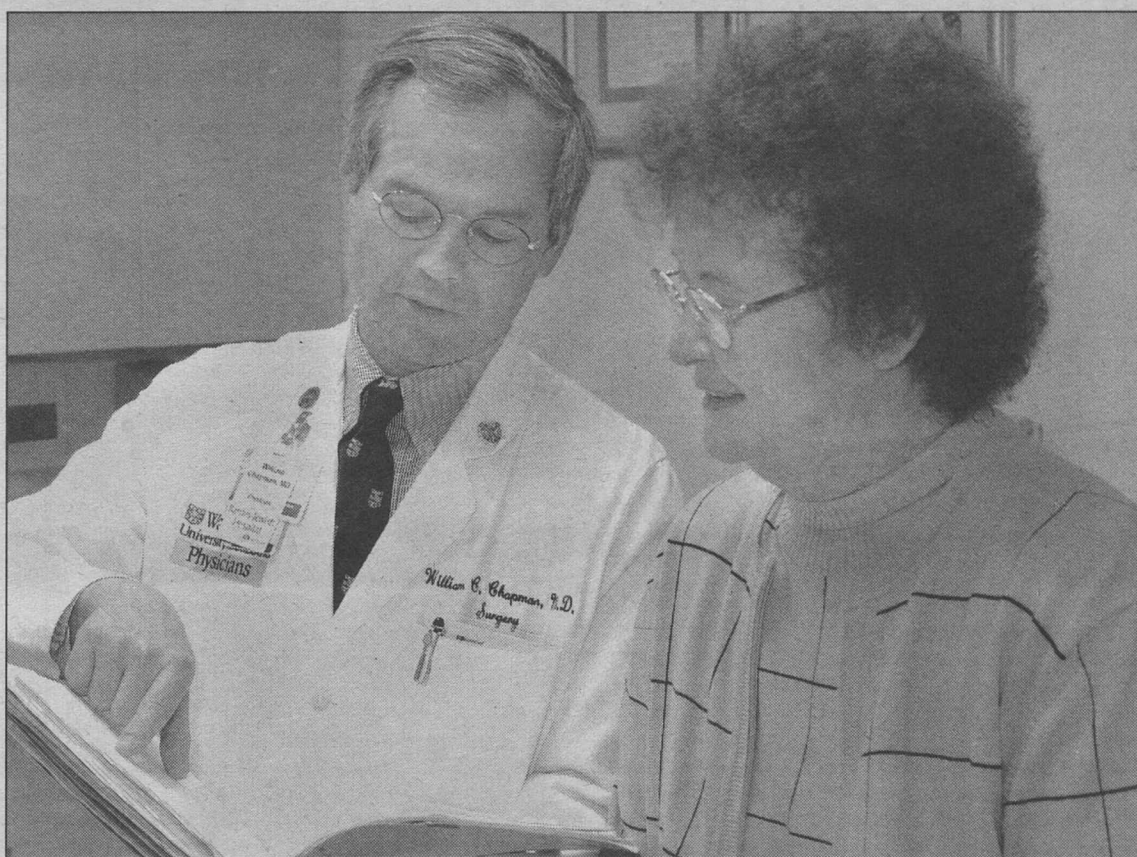
A competitive horseback rider growing up, William C. Chapman, M.D., thought he wanted to be a veterinarian. But when it came time to decide between treating animals or humans, Chapman was swayed by some sage advice.

"I was always frustrated by the notion that, for various reasons, veterinarians sometimes have to put an animal to sleep even though they have the capacity to intervene," he explains. "My mom convinced me that beyond the frustration factor, at times, it would be a waste of my skills, talent and work."

It's fitting that Chapman, chief of the abdominal transplantation section, is now highly respected as a liver transplant specialist — a field responsible for treating some of the sickest, most dire patients with some of the most dramatic recoveries.

In fact, the opportunity to make such a remarkable impact on people's lives is what initially drew him to surgery.

With several family members in the medical field, Chapman was exposed to medicine at an early age. By the end of high school, he had already spent one summer



William C. Chapman, M.D., talks with patient Thelma Stevens during a follow-up exam after liver transplant surgery. Jeffery S. Crippin, M.D., medical director of liver transplantation and associate professor of medicine, says of Chapman, "He is one of those who recognizes that listening to the opinions of others is the key to being not only a leader, but also a great doctor and administrator."

Surgeon, scientist & educator

William C. Chapman enhances the University's abdominal transplant programs

By GILA Z. RECKESS

working in a research laboratory and another helping in the operating room. Though his father was an anesthesiologist, Chapman was awe-struck by the magic of surgery.

"I now realize anesthesiologists face as many challenges in the OR as surgeons," he says, "but from my naïve, high-school perspective, I decided the action was on the surgery side."

On the research track

From high school through medical training, Chapman's interest in surgery never wavered. But there was one development he didn't anticipate: a love for academia.

As part of his surgery residency training at Vanderbilt University, Chapman was required to complete at least one year of research. Having intended to go into private practice after finishing his residency, he, like many of his peers, first viewed the research requirement as a simple necessity for training. Instead, it ended up changing the course of his career.

"I found research to be exciting and challenging, and I loved having the ability to pose new questions with important clinical impact," he says. "I also realized that I really enjoy the educational

environment. The academic curiosity that house staff and students provide stimulates faculty."

The then-young subspecialty of liver transplantation offered an ideal opportunity to satisfy his yearning for a challenge. The field was just beginning to blossom when Chapman finished his residency at Vanderbilt in 1991, and he went to King's College Hospital in London for his fellowship. Liver transplants had been attempted since the 1960s, but few were successful until the mid-1980s, when the drug cyclosporine began help-

Vanderbilt Alliance.

"Will Chapman was clearly a superb surgeon, and before long he became one of the most popular and sought-after surgeons not only at Vanderbilt but also in the Nashville region," O'Neill says. "He became the mainstay of the liver transplantation team and organized his extensive practice in such a fashion that virtually everything was able to be used for clinical research projects."

"He also had special talents in education and was recognized by our surgical residents with the

"He's a true leader — he approaches problems in a very calm and collected fashion and really gets results. He's very bright and level-headed and is respected by everyone who comes in contact with him."

GREGORIO A. SICARD

ing prevent rejection of transplanted organs.

Chapman gained experience on a wide range of liver procedures in England, including transplantation. When he returned to Vanderbilt the following year, he was asked to join the newly formed transplant team. In addition to the allure of the field's technical complexity, Chapman realized his expertise both in transplant and in non-transplant liver surgery would allow him to most effectively treat patients.

"It's often not immediately clear whether you should treat a liver problem with transplant or non-transplant surgery," he says. "So to me, one of the appeals to staying in the transplant side was having the ability to utilize all surgical options."

A surgical success

Chapman's appreciation for combining research, clinical care and education was fostered by 15 years as a trainee and then as a faculty member at Vanderbilt University Medical Center.

He excelled at all three, according to James A. O'Neill Jr., M.D., the John C. Foshie Distinguished Professor of Surgery, emeritus chairman of the Section of Surgical Sciences at the Vanderbilt University School of Medicine and director of clinical and educational development at the Meharry-

highest education award our department offers."

The merit of multidisciplinary medicine is also what ultimately convinced Chapman to accept the position of chief of abdominal transplantation at Washington University.

"The opportunity to join Washington University was too good to pass up," he says. "This is one of the only institutions with such a broad spectrum of combined research and clinical excellence."

Now in their third year in St. Louis, Chapman's family has adapted to their new home. The move has even brought some unexpected benefits for him and his two sons, who were pleased to discover that this area is one of the best for their favorite pastime, duck hunting.

Enhancing the team

At the School of Medicine, Chapman already has established a productive clinical and basic science laboratory, continuing his research on image-guided liver surgery and on minimizing the effects of liver injury.

But some of his biggest strides have been in his role as head of abdominal transplantation, in which he's focused on nurturing and enhancing the team's cohesion and its multidisciplinary approach.

"What really impresses me

about Will is what a great listener he is," says Jeffery S. Crippin, M.D., medical director of liver transplantation and associate professor of medicine. "Some people forget you have two ears and one mouth so you can listen twice as much as you talk. Fortunately, he is one of those who recognizes that listening to the opinions of others is the key to being not only a leader, but also a great doctor and administrator."

Chapman's accomplishments span the medical school's tripartite mission. On the clinical side, he initiated plans for a pancreas transplant program and recruited a new transplant surgeon, Niraj M. Desai, M.D., assistant professor of surgery, to direct the program. In addition, there has been significant growth in the abdominal transplantation section, with increases in liver and kidney transplants by about 25 percent each year.

He's also boosted the program's research efforts by formalizing the clinical research program and recruiting two full-time clinical research nurses. Additionally, he launched a focused clinical trials group in which experts from all areas involved in transplant research meet at least monthly to develop strategies for clinical trials.

On the training end, he resurrected the transplant fellowship program and helped secure fellows for the next three years.

"There's no question we made the right decision in selecting Will Chapman as the head of transplant," says Gregorio A. Sicard, M.D., vice chairman of the Department of Surgery and chief of the Division of General Surgery and the Section of Vascular Surgery.

"He's a true leader — he approaches problems in a very calm and collected fashion and really gets results. He's very bright and level-headed and is respected by everyone who comes in contact with him."

William C. Chapman

Family: Wife, Margaret; children, William, 17; Robert, 14; Maggie, 11.

Hobbies: "We love the outdoors," Chapman says. He plays tennis, runs in the American Liver Foundation's annual race with his daughter, goes duck hunting with his two sons and enjoys camping with his family.

Academic title: Professor of surgery and chief of the abdominal transplantation section.



All three of Chapman's children inherited his love for horses. Here his family enjoys a recent trip to a Wyoming ranch.