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## Washington University Record, April 18, 2003

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# Record

April 18, 2003

Volume 27 No. 28



Washington University in St. Louis

## Human Genome Project completed

By JIM DRYDEN

University researchers and other members of the International Human Genome Consortium announced the successful completion of the Human Genome Project more than two years ahead of schedule at an April 14 news conference in Washington, D.C.

By completing the Human Genome Project, researchers believe they are launching a new age of discovery that will transform human health.

Knowing the order of the

genetic building blocks — commonly abbreviated A, T, C and G (adenine, thymine, cytosine and guanine) — should allow scientists to learn more about human development and disorders such as heart disease, psychiatric illness and cancer.

Already the genome sequencing effort has helped spur discoveries about breast cancer, colon cancer, prostate cancer, cystic fibrosis, Huntington's disease, Parkinson's disease and sickle cell disease.

The project, completed 50 years after James Watson and

Francis Crick discovered the structure of DNA, succeeded in sequencing all of the DNA in human chromosomes. The sequence of more than 3 billion genetic "letters" carries the instructions for making and operating the human body and the errors or variations in the genome that contribute to most types of disease.

In the future, many believe patients will receive prescribed medical treatment based on their genes rather than on their age or weight. In addition to such individualized treatment, researchers

hope genome-based research will enable medical science to develop highly effective diagnostic tools and a better understanding of how a person's individual genetic makeup influences health or susceptibility to disease.

"The completed genome sequence is an extremely powerful database for the study of human biology," said Richard K. Wilson, Ph.D., professor of genetics and of molecular microbiology and director of the Genome Sequencing Center. "Because of limitations in technology, there

See **Genome**, Page 3

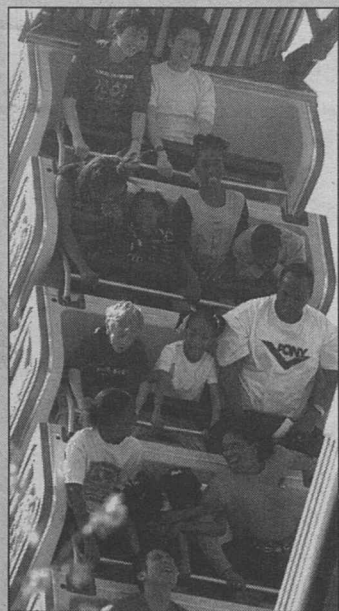
## MetroLink expansion

It's finally here. The first phase of the MetroLink cross-county expansion will begin May 4 on westbound Forest Park Parkway between Big Bend Boulevard and Ritz-Carlton Drive. This section of the parkway will be completely closed to traffic.

**For more information on the impact of MetroLink's expansion on Hilltop Campus traffic, see Page 4.**



MARY BUTKUS



MARY BUTKUS



MARY BUTKUS

### Thurtene Thespians

Above, presenting *Shoe Legends of the West* at Thurtene Carnival April 12-13 are (from left) Kevin Crimmins (Paul Bunyan), Travis Anderson (Pecos Bill), Robby Boyer (Zorro), Alex Reich (Fred) and Peter LaFontaine (Johnny Appleseed) of Beta Theta Pi fraternity. The carnival also included rides (far left) and other attractions such as the "Pie a Pi Phi" booth, where sophomore Jayme Lawson (left) does her part to raise money for Thurtene's charity, Friends of Kids With Cancer, a St. Louis organization devoted to enriching the daily lives of children undergoing treatment for cancer and related blood disorders.

## Pulitzer winner Friedman to open, close 150th year

By ANDY CLENDENNEN

Thomas L. Friedman, a three-time individual Pulitzer Prize-winning columnist for *The New York Times*, will both open and close the University's sesquicentennial year.

On Sept. 17, Friedman will give the inaugural Assembly Series sesquicentennial lecture as part of Arts & Sciences' "Conversations" series. The lecture will be from 11 a.m.-noon in the Athletic Complex Field House.

The Conversations series will feature discussions intended to provide a forum for reflection on issues that will affect the future of the University, the community and the world.

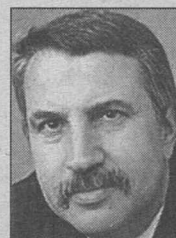
Approximately eight months later, Friedman will deliver the Commencement address for the Class of 2004. The University's 143rd Commencement will begin at 8:30 a.m. May 14, 2004, in Brookings Quadrangle. During the ceremony, Friedman will also receive an honorary doctor of humanities.

"Thomas Friedman is a respected and thoughtful public intellectual who has done much to increase our understanding and knowledge of the world and its condition," Chancellor Mark S. Wrighton said. "In such times as these, I can't think of a better person to kick off our sesquicentennial year celebration, for even as we pause to celebrate, we must

continue to seek knowledge and insight into the world around us."

From May 1981-April 1982, Friedman worked as a general assignment financial reporter at the *Times* and specialized in news related to oil and the Organization of the Petroleum Exporting Countries. In April 1982, he was assigned to be the paper's Beirut bureau chief, a post he began six weeks before the Israeli invasion of Lebanon.

In June 1984, Friedman was transferred from Beirut to



Friedman

Jerusalem, where he served as the *Times*' Israel bureau chief until February 1988, when he was awarded a Guggenheim Foundation Fellowship to write a book about his reflections on the Middle East. In June 1989, he published *From Beirut to Jerusalem*, which was on the *Times*'

best-seller list for 12 months and won the 1989 National Book Award for nonfiction and the 1989 Overseas Press Club Award for the Best Book on Foreign Policy.

*From Beirut to Jerusalem* has been published in 10 different languages, including Japanese and Chinese, and is now used as a basic textbook on the Middle East in many high schools and universities.

In January 1989, Friedman took on a new assignment, this time in Washington, D.C., as the *Times*' chief diplomatic correspon-

See **Friedman**, Page 6

## Faculty achievement awards go to Epstein, Johnson

By GERRY EVERDING AND GILA Z. RECKESS

Lee Epstein, whose research and teaching make key contributions to both Arts & Sciences and the School of Law, and Eugene M. Johnson Jr., whose work has had an enormous impact on the international neuroscience community, will receive the University's annual faculty achievement awards.

Epstein, Ph.D., the Edward Mallinckrodt Distinguished University Professor of Political Science in Arts & Sciences and professor of law in the School of Law, is the winner of the Arthur Holly Compton Faculty Achievement Award.

Johnson, Ph.D., the Norman J. Stupp Professor of Neurology and professor of molecular biology and pharmacology and co-director of the Alzheimer's Disease Research Center in the School of Medicine, is the winner of the Carl and Gerty Cori Faculty Achievement Award.

Chancellor Mark S. Wrighton made the announcement at the Chancellor's Gala April 12 at the Charles F. Knight Executive Education Center. The awards will be conferred at the Faculty Achievement Awards Program at 4:30 p.m. Sept. 30 at the Eric P. Newman Education Center at the Medical Campus.

See **Awards**, Page 6



(From left) Chancellor Mark S. Wrighton visits with faculty achievement award-winners Eugene M. Johnson Jr. and Lee Epstein at the Chancellor's Gala April 12 at the Charles F. Knight Executive Education Center. Wrighton announced the pair as the winners at the gala.

MARY BUTKUS



# Women's Society hands out scholarship, leadership awards

BY ANDY CLENDENNEN

The Washington University Women's Society held its sixth annual meeting April 9 in the Women's Building Formal Lounge and awarded the Elizabeth Gray Danforth Scholarship and two Women's Society Leadership Awards.

The winner of the Danforth scholarship is Thomas William Schmidt, who is studying at St. Louis Community College at Meramec and carries a 3.96 grade-point average in addition to his work and volunteer activities.

Laurel Griggs and Jessica Long are winners of the Women's Leadership Award, given to graduating women who have contributed significantly to the University community during their undergraduate years.

In 1976, the Women's Society established a full-tuition scholarship program, awarding an annual competitive two-year scholarship to an outstanding community college transfer student.

In 1995, the society named the endowment in honor of Danforth as an expression of gratitude and admiration for all that she had done as "first lady" of the University for 24 years — 1973-1995.

Schmidt has been an active member of Phi Theta Kappa, volunteered for numerous activities, and was chosen for the National Dean's List, Meramec's Dean's List and the National Scholars Honor Society. He has been admitted to the School of Engineering & Applied Science, where he plans to pursue a dual degree in biomedical engineering

and mathematics in Arts & Sciences.

"Not even in a million years did I think attending Washington University to be a possibility," Schmidt said. "It is truly amazing."

Ron Goetz, associate professor of mathematics at Meramec, recommended Schmidt enthusiastically and without reservation.

"He has demonstrated an exceptional blend of academic talent and exemplary classroom participation," Goetz said. "In addition, he played a leadership role in both formal and informal study groups and has tremendous potential to excel in any scientific field."

Griggs and Long have displayed effectiveness in service to others, demonstrated exceptional potential for future leadership as well as academic achievement, extracurricular activities and work or work-study employment.

They each will receive a \$500 award and a silver clock inscribed with a quote from English writer Virginia Woolf: "I should remind you how much depends upon you and what an influence you can exert upon the future."

Griggs is a double major in systems science and mathematics in the School of Engineering & Applied Science and in Environmental Studies in Arts & Sciences. She is also slated to earn a master's degree in May in earth and planetary sciences in Arts & Sciences.

Griggs has written a thesis on fluctuations of the soil using



Thomas W. Schmidt receives the 2003-04 Elizabeth Gray Danforth Scholarship from Danforth at an April 9 ceremony. Schmidt carries a 3.96 grade-point average at St. Louis Community College at Meramec.

fieldwork in Hawaii. Her academic concentration stems from her formative years in the wetlands of central Florida and from the pre-

freshman Summer Scholars Program.

She has received rave reviews from her professors as a student,

has been helpful in group studies and is enthusiastic and personable. She has done volunteer work helping others and preserving the environment.

Griggs will pursue a doctorate in hydrology and water resources.

Long is a double major in social thought and analysis and in biology, both in Arts & Sciences.

She was one of the co-founders of "Beyond the Surface," a program to bring city and county high-school students and University students together. She has also worked for several years in Leadership Through Service, a University organization.

Long is committed to social justice and, in addition to learning about racial and economic injustice on campus, has joined activist groups in the St. Louis community. She will attend medical school next year and will combine helping the suffering with aiding social change.

## Ballet Hispanico at Edison April 25-27

BY LIAM OTTEN

Contemporary dance meets worldwide Latin culture in the flamboyantly expressive and sensuously virtuosic Ballet Hispanico, presented by Dance St. Louis and Edison Theatre's OVATIONS! Series April 25-27 at Edison Theatre.

Performances begin at 8 p.m. April 25-26 and at 2 p.m. April 27.

Since its founding in 1970 by artistic director Tina Ramirez, the Manhattan-based Ballet Hispanico has commissioned more than 70 works inspired by Hispanic music and dance from a variety of internationally known choreographers.

The St. Louis program will feature pieces by Ramón Oller, Graciela Daniele and Pedro Ruiz.

Oller, from Barcelona, Spain, tells three stories about love, ranging from the poignant and tender to the comic and capricious, in *Bésame* ("kiss me"), set to a collage of classic Latin-American popular songs.

Daniele, a Broadway and film choreographer, underscores *Cada Noche ... Tango* with the sinister tango masterpieces of Astor Piazzolla. Set in a dance hall in Argentina during the years between the two world wars, the piece centers on a group of toughs and prostitutes who meet late at night — in dances that escalate to passion and violence.

Ruiz, a Cuban-born dancer and choreographer and member of Ballet Hispanico for 17 years, offers a very different kind of dance hall in the joyous *Club Havana*. The piece recalls those heady years in the 1940s and '50s when Cuban immigrants swept popular culture with the intoxicating rhythms of the conga, rumba, mambo and cha cha.

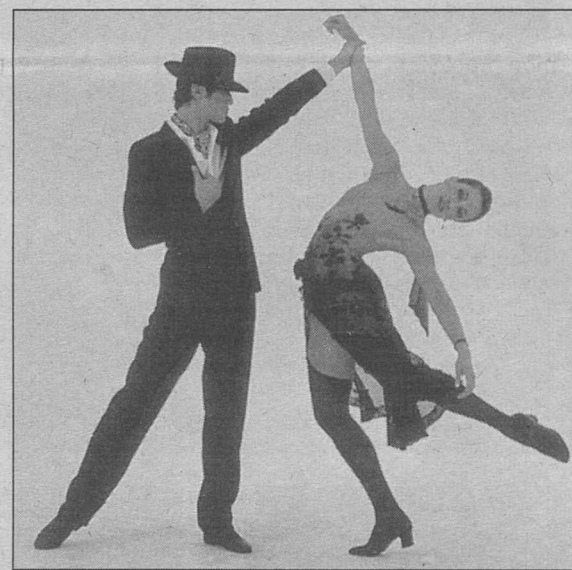
Ramirez was born in Venezuela, the daughter of a Mexican bullfighter and a Puerto Rican edu-

cator. In 1967, she created Operation High Hopes, a professional dance-training program for inner-city children, which in turn led to the establishment of Ballet Hispanico in 1970.

Ballet Hispanico tours extensively every year and has appeared at venues ranging from the Zurich Summer Festival to Shea Stadium, where the troupe entranced some 35,000 New York Mets fans in September 1999.

Tickets — \$27 for adults; \$22 for students, seniors and University faculty and staff; \$13 for WUSTL students — are available at the Edison Theatre Box Office, 935-6543; the Dance St. Louis box office, 534-6622; and all MetroTix outlets.

For more information, call 935-6543.



Dance St. Louis and Edison Theatre's OVATIONS! Series will present Ballet Hispanico April 25-27.

## Knight to speak on 'Academic Freedom After 9/11'

BY ANDY CLENDENNEN

On April 22, Jonathan Knight, Ph.D., director of the office of academic freedom, tenure and governance in the national office of the American Association of University Professors (AAUP), will speak on "Academic Freedom After 9/11."

The lecture will start at 3:30 p.m. in the formal lounge of Umrath Hall; refreshments will be provided at 3 p.m. This open lecture is sponsored by the University's chapter of the AAUP.

The main focus of the AAUP is the protection of academic freedom. Supporting concerns include faculty roles in university governance, the evaluation of faculty for tenure and the judicial procedures by which sanctions can be imposed on faculty.

The AAUP undertakes investigations of allegations of serious breaches of academic freedom by university administrations and boards of trustees.

Each spring, the AAUP publishes its survey of the economic status of the professoriate, with extensive tables of faculty salaries

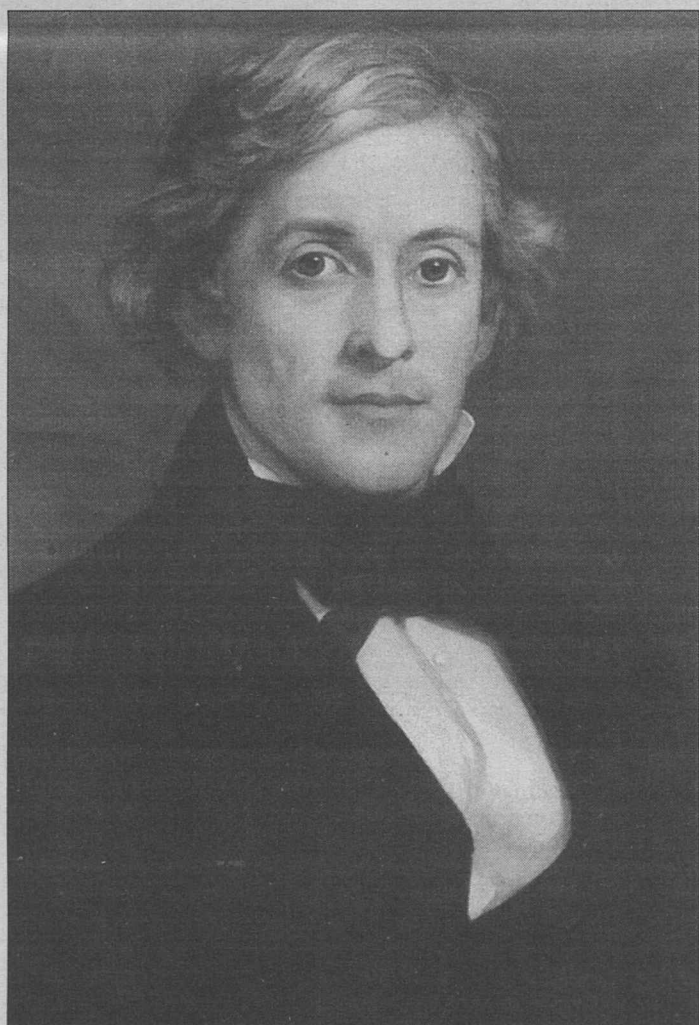
for almost all colleges and universities.

Other areas of concern to the AAUP include the rights of women, minorities and students. Most recently, the AAUP filed an amicus brief with the U.S. Supreme Court in the affirmative

action case at the University of Michigan, and it has circulated an advisory memorandum on the investigation of foreign students through application of the U.S. Patriot Act of 2001.

For more information, call 935-6279.

## PICTURING OUR PAST



William Greenleaf Eliot, the grandfather of poet T.S. Eliot, came to St. Louis as a missionary in 1834 and was the first Unitarian minister west of the Mississippi River. In 1853, Wayman Crow secured a charter for a proposed college named Eliot Seminary. In 1854 — the year that the name of the school changed to Washington Institute of St. Louis — Eliot became chairman of the Board of Trustees, and in 1870 he became chancellor. He held both positions until his death in 1887. There's another familial connection: Thomas H. Eliot was chancellor from 1962-1971, and his grandfather was a cousin of W.G. Eliot. At 2 p.m. May 11, W.G. Eliot will receive a star on the St. Louis Walk of Fame in the heart of the University City Loop, in a ceremony at Westgate Avenue and Delmar Blvd. Chancellor Mark S. Wrighton will accept the award.

Washington University will be celebrating its 150th anniversary in 2003-04. Special programs and events will be announced as the yearlong observance approaches.



## Record

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Washington University in St. Louis



## School of Medicine Update

# Artificial disc replacement investigated by physicians

BY JIM DRYDEN

University physicians are testing an investigational treatment for cervical disc disease that involves replacing a diseased spinal disc in the neck with an artificial one.

"The idea of replacing the disc is not new," said K. Daniel Riew, M.D., associate professor of orthopaedic surgery and chief of the cervical spine service in the School of Medicine. "But in the past, the technology was not available to have a disc replacement that could last for a long time and provide the range of motion that mimics what one has in the natural spine."

Riew and colleagues Brett A. Taylor, M.D., assistant professor of orthopaedic surgery, and Neill M. Wright, M.D., assistant professor of neurological surgery, will compare the success of artificial disc replacement to the current "gold standard" procedure for cervical disc disease: anterior cervical discectomy and fusion.

During discectomy, a surgeon removes the ruptured disc and then fuses together the vertebrae that had been separated by that disc.

"We know that the anterior discectomy and fusion works very well," Riew said. "Results are good to excellent for 90 percent to 95 percent of patients, but the hope is that the artificial disc will equal these results while maintaining the normal range of motion following surgery and prevent breakdown and deterioration in other parts of the cervical spine."

Cervical disc disease is a common problem in the United States, and almost everyone will develop it at some point.

The disc is often compared to a jelly donut because it has a squishy center surrounded by a tough outer portion. It functions like a shock absorber between the bones of the cervical spine.

When a disc ruptures, or



Orthopaedic surgeon K. Daniel Riew, M.D. (left), and an assistant perform an anterior cervical fusion.

becomes herniated, the squishy disc tissue can move into the spinal canal and press against nerves, causing numbness, weakness or pain in the neck and arms.

Only a small percentage of patients with spine problems ever require surgery, but that still amounts to more than 250,000 spinal fusion operations in the United States every year.

There are eight motion segments in the neck. When a disc is removed and the vertebrae are fused, a patient has one less level of motion. But the cervical spine still must bear the same load and undergo the same amount of stress from movement.

Riew said that fusing two levels together puts a bit more stress on

the remaining vertebrae in the cervical spine and causes breakdown to occur slightly faster. The hope is that the artificial disc will slow that breakdown.

But whether it will work is not known. Only about 40 patients in the United States have had artificial cervical disc replacement surgery.

In Europe, about 1,000 patients have undergone the procedure. In the two to three years since the first European patients had their discs replaced, the results appear promising, but Riew said many more patients must have the procedure and much more time must pass before investigators can say whether artificial cervical discs provide a good alternative to tra-

ditional fusion surgery.

"We may learn that patients don't do well four or five years after the procedure and end up abandoning artificial cervical discs," Riew said. "The nature of investigational surgery is that we don't know for sure what will happen."

The University site is one of 21 in the United States currently recruiting patients for this study, but only a handful of patients have enrolled. Riew has performed three artificial cervical disc replacement procedures — the first ever done in either Missouri or Illinois.

To be eligible for the study, patients cannot have had any previous cervical spine operations.

They are not eligible if there is disc disease at more than one level in the cervical spine or if they have a great deal of arthritis in the neck.

"That excludes the vast majority of patients," Riew said. "I do several hundred cervical spine operations in the course of a year, but of those several hundred patients, only about 20 or 25 patients (less than 10 percent) actually qualify for this study."

Those patients who qualify are randomly chosen to receive either artificial disc replacement or the standard discectomy and fusion surgery. A computer will decide which procedure a patient receives. Both groups of patients will be followed for at least two years to compare the two procedures.

Riew emphasized that this is an investigational procedure and that patients who are randomized to receive the disc replacement will be taking a risk.

"Although the patients that randomize to the fusion procedure tend to be disappointed, we must remember that fusion still remains the 'gold standard' operation for cervical disc disease," he said.

Riew said patients who think they may be candidates should discuss the idea of artificial disc replacement with their physician.

For more information, visit [nfrmc.com/CustomPage.asp?PageName=neck\\_pain](http://nfrmc.com/CustomPage.asp?PageName=neck_pain) or call Barb Merz at 747-2576.

## Genome

Sequence offers powerful biological database  
— from Page 1

are still small gaps in the sequence, but if you compare it to a 5,000-page book, it's as if a few words are missing on a couple of pages. Those missing words, however, are not at critical points in the story, so this 'finished' sequence should tell us the story we need to know."

With the sequence complete, Wilson said the challenge for researchers and scientists is now to learn how to read the pages of this "book of life" in order to understand how all the various parts work together.

Wilson and his colleagues at the University said the next steps will involve closely searching the more than 3 billion pieces of information in the human genome for clues about human disease and comparing genetic information about humans with information gathered from mapping and sequencing the genomes of other species.

Last year, the mouse genome was mapped and sequenced. The Genome Sequencing Center is working on the chimpanzee and chicken sequences. In addition, the bacterium *Salmonella typhimurium* and the plant *Arabidopsis thaliana* have been mapped and sequenced.

"By sequencing all of these genomes, we will identify genes that do certain jobs in particular animals, and by looking for similar DNA patterns among various species, we hope to isolate crucial genes that play key roles in making us sick or keeping us healthy," Wilson said.

The project's information has been free and publicly available on the Internet since the Human Genome Project was launched by its researchers in 1988.

# Tarr becomes head of pediatric gastroenterology

BY KIMBERLY LEYDIG

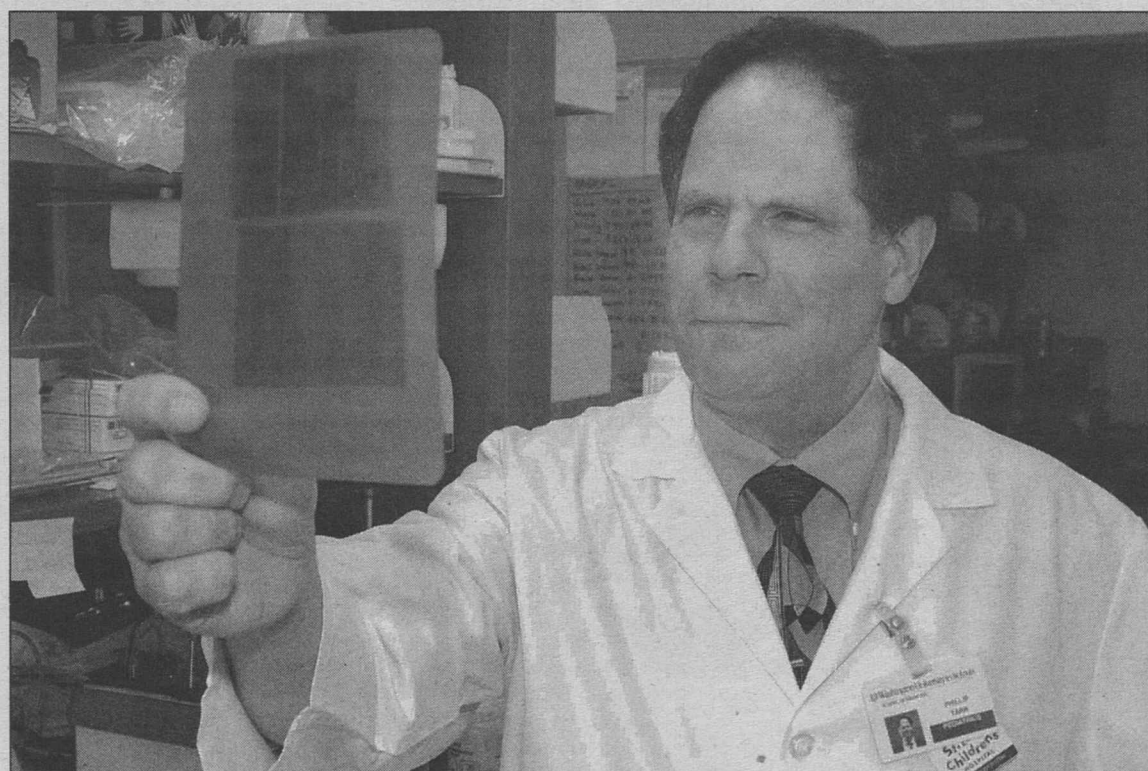
Phillip I. Tarr, M.D., has been named head of pediatric gastroenterology. His appointment was announced by Alan Schwartz, Ph.D., M.D., the Harriet B. Spoehr Professor of Pediatrics and head of the Department of Pediatrics.

"Phil Tarr is a renowned expert in understanding how bacteria in our food supply gain entry to the gastrointestinal tract and ultimately cause disease such as the hemolytic-uremic syndrome," Schwartz said. "His background in infectious diseases and gastroenterology and his strong clinical and teaching commitments make him a great match for the School of Medicine."

Tarr comes to the medical school from the University of Washington and Children's Hospital and Regional Medical Center in Seattle, where he was a professor of pediatrics and microbiology.

Tarr's research efforts focus on how *Escherichia coli* infect humans and cattle, the underlying mechanisms of gastrointestinal problems that result from *E. coli* infection and treatment approaches for the infection. He also is interested in the genetic analysis of *E. coli* strains and the differences in the potency and the dangers of different strains.

For instance, Tarr's University of Washington team found that children who receive antibiotics



New head of pediatric gastroenterology Phillip I. Tarr, M.D., reviews a radiograph.

for diarrhea caused by *E. coli* have a 17-fold greater chance of developing the hemolytic uremic syndrome, a life-threatening kidney and blood disease, than children who are not treated with antibiotics. The team also demonstrated that prothrombotic coagulation abnormalities occur in advance of renal injury.

These studies appeared in the *New England Journal of*

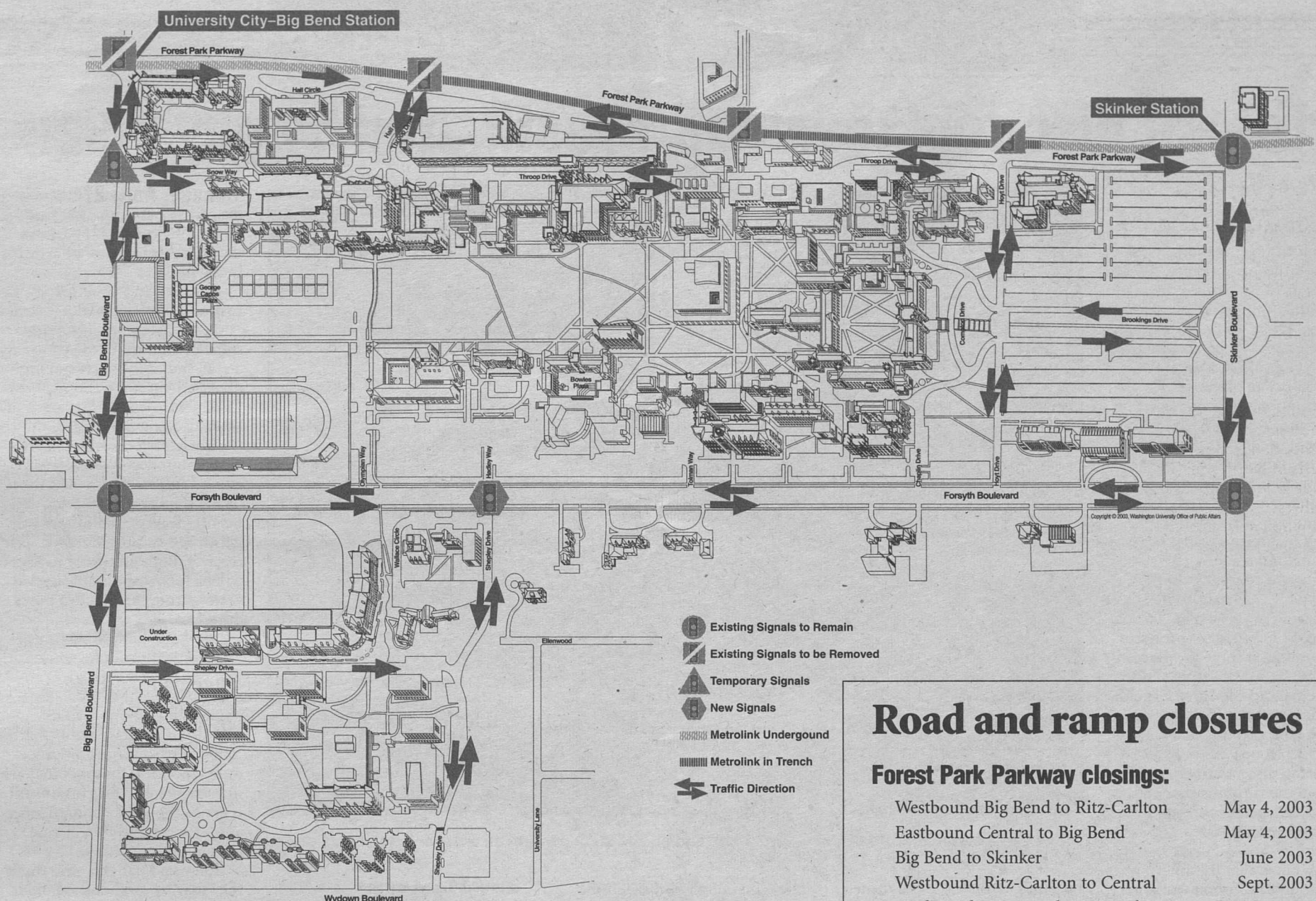
*Medicine*.

Tarr earned a bachelor's degree from Brown University and a medical degree from Yale University. He served as an intern, resident and assistant chief resident in the Department of Pediatrics at the University of Washington and then completed fellowships in pediatric infectious diseases and gastroenterology there.

He received the American Gastroenterology Association/Blackwell Scientific Scholar Award from 1992-95 and is a recipient of the Food and Drug Administration Commissioner's Special Citation.

Tarr also is the principal investigator on a U.S. Department of Agriculture grant and two National Institutes of Health grants.





## MetroLink construction to start May 4

By ANDY CLENDENNEN

**T**ime to pull out the maps and look for alternate routes. The MetroLink expansion is about to begin.

The official groundbreaking for the Forest Park to Shrewsbury MetroLink project was held April 9, but the public will now see more visible work as roads will soon start to close for construction.

The first phase of construction will begin westbound on Forest Park Parkway between Big Bend Boulevard and Ritz-Carlton Drive May 4; this section of the parkway will be completely closed to traffic.

Work on the parkway between Ritz-Carlton Drive and Brentwood Boulevard will start in December; and construction along the abandoned railroad right-of-way between the parkway and Clayton Road is scheduled to begin in June 2004.

Also beginning May 4, traffic on Forsyth Boulevard at Forest

### Updates online

Regular updates on street-closings, progress of work and alternate route suggestions are available online at [wupa.wustl.edu/metrolink](http://wupa.wustl.edu/metrolink).

Park Parkway will be disrupted as construction begins on the Forsyth Station in the parking lot just east of the West Campus Conference Center, where the groundbreaking was held. Although Forsyth will never be completely closed to traffic, there will be periods of significant interruption.

During morning and evening rush hours (before 9 a.m. and after 3 p.m.) a minimum of two lanes on Forsyth — at least one in each direction — will remain open. Between those hours, there will be times when the roadway is reduced to one open lane under

the control of a traffic worker.

Two alternate routes to the Hilltop Campus are taking Interstate 170 to Forest Park Parkway, getting off the parkway at Central Avenue and going through downtown Clayton to Forsyth; or taking I-170 to Delmar Boulevard and proceeding onto Big Bend south to Forsyth. The latter avoids the congested traffic often found in downtown Clayton.

In June, the section of the parkway between Big Bend and Skinker Boulevard will be closed as construction of the MetroLink line continues.

Portions of Forest Park Parkway will be closed for up to 26 months — through May 2005. Specific road-closure information will be posted on road signs prior to actual closure.

During the duration of the construction, a temporary roadway along the south side of the parkway will be maintained for

## Road and ramp closures

### Forest Park Parkway closings:

Westbound Big Bend to Ritz-Carlton	May 4, 2003
Eastbound Central to Big Bend	May 4, 2003
Big Bend to Skinker	June 2003
Westbound Ritz-Carlton to Central	Sept. 2003
Eastbound Brentwood to Central	May 2004
Westbound Central to Brentwood	May 2004
Eastbound Bemiston on-ramp	May 4, 2003
Westbound Ritz-Carlton on-ramp	Sept. 2003
Eastbound Central off-ramp	May 2004
Westbound Meramec on-ramp	May 2004

### Shaw Park Drive closings:

Hanley to Central	Dec. 2003
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*These dates are tentative and are subject to change. Specific road closure information will be posted on road signs prior to the actual closures.*

University-related traffic. The temporary roadway will provide eastbound access only from Big Bend to Throop Drive and two-way traffic between Throop and Skinker.

The Clayton Police Department has designated Forsyth and Wydown Boulevard as "no-tolerance speed zones," as safety of non-vehicular traffic on these roads is paramount. Joggers, bicyclists, walkers and children often use the sidewalks and designated bicycle lanes on these roads.

A no-tolerance zone means Clayton police will ticket drivers who go above the posted speed limit of 30 mph. The goal is to reduce the average speed of all vehicles.

After studying the effectiveness of the program, the no-tolerance speed zones might be extended to Brentwood Boulevard and residential streets in the Davis Place subdivision that might see increases in traffic when parts of Forest Park Parkway are closed.

## 'Sensory overload': Charles Mee's *Big Love* presented by PAD

By LIAM OTTEN

**C**lassical drama collides with modern-day excess in Charles Mee's *Big Love*, a fiercely extravagant adaptation of Aeschylus' *The Suppliant Maidens* that *The New York Times* describes as "an MGM musical in Technicolor, a circus and, believe it, a Greek tragedy."

Presented by the Performing Arts Department in Arts & Sciences, performances will begin at 8 p.m. April 24; at 5 p.m. and 9 p.m. April 26; and at 2 p.m. and 7 p.m. April 27 in the A.E. Hotchner Studio Theatre in Mallinckrodt Student Center.

Written in approximately 490 B.C., *The Suppliant Maidens* is one of the oldest surviving dramas in Western literature. Mee, a former historian and magazine editor, uses the basic storyline — 50 sisters flee arranged marriages to their 50 cousins — as a kind of launch pad for a wide-ranging, and frequently Dionysian, rumination on the so-called "battle of the sexes."



The Performing Arts Department in Arts & Sciences will present Charles Mee's *Big Love* in the A.E. Hotchner Studio Theatre April 24 and 26-27. Pictured above are (from left) sophomore Aundriel Potier, senior Jea Hyun Rhyu and senior Nicole Blicher.

The sisters, who originally functioned as a chorus, are here rendered as three distinct voices: the militant Thyona (sophomore Aundriel Potier), the romantic Olympia (senior Nicole Blicher)

and the conflicted Lydia (senior Jea Hyun Rhyu).

Rebelling against the unwanted nuptials, the three take refuge in the spacious Italian villa of Piero (senior Sam Reiff-Pasarew),

yet their suitors — American émigrés Constantine (senior Chris Narducci), Oed (sophomore Damien Cortese) and Nikos (junior Jared Macke) — remain in hot pursuit, descending upon the villa by helicopter.

When Piero's attempts to arbitrate the matter fail, the sisters resolve to marry and then murder their would-be husbands, despite Lydia's growing fondness for the sweet-tempered Nikos.

"It's a play filled with sensory excess, sensory overload," said Andrea Urice, artist-in-residence in the PAD, who directs the cast of 15. "The music is beautiful but played too loudly; the clothes — tuxedos and wedding dresses — are lovely but get smeared with blood and wedding cake."

"You have very tender, poignant moments and then you have stuff that's completely over the top: the beautiful and the ugly all wrapped up into one."

Urice first encountered *Big Love* at its premiere at the 2000 Humana Festival of New American Plays in Louisville, Ky.

"It's messy and difficult, and it extends beyond just men and women fighting," she added. "Ultimately, I think he's asking us to look at how humans behave when we're in 'crisis mode' — when we're facing imminent disaster or other difficult situations — and what it would be like to live in that heightened state all the time."

The PAD technical crew includes scenic designer Christopher Pickart, artist-in-residence, who, in order to accommodate the play's significant physical demands, has subtly fashioned the stage as a kind of giant wrestling mat.

Costumes are by senior Cassandra Beaver. Lighting is by David Vogel, technical director and artist-in-residence, with sound by senior Erin Whitten. Lou Bird served as guest fight director.

Tickets — \$12; \$8 for University faculty and staff, students and senior citizens — are available through the Edison Theatre Box Office, 935-6543, and all MetroTix outlets.

For more information, call 935-6543.



# University Events

## Co-housing information session April 24

By LIAM OTTEN

Since 1964, when Danish Architect Jan Gudmand-Hoyer first gathered a group of friends to discuss supportive living environments, the international co-housing movement has spread across Europe, landed on both coasts of North America and made gradual inroads to the Midwest.

In St. Louis, a handful of co-housing projects are now in development, including "Village in the City," scheduled to open in the University City Loop area in 2004.

The project involves several members of the University community, notably co-founder David Felix, professor emeritus of economics in Arts & Sciences; and Jana Pereau, adjunct associate professor in the School of Architecture, who is helping design the facility's distinctive "commons" areas.

On April 24, Village in the City will host an information session about co-housing from 5-6 p.m. in Lambert Lounge, Room 303 in Mallinckrodt Student Center. The session will feature an update on the Loop project as well as a short PBS documentary about co-housing.

Pereau, former director of architecture's Community Design Center, has long explored the nexus between housing, community and cultural values. She explained that co-housing helps to foster and promote a sense of connection between residents by locating individual living areas in close relation to extensive shared facilities for both work and leisure activities.

These are the areas where "residents can share optional meals, games, gardening tasks or other group activities — including child care — and where elders can stay involved and active as mentors to adolescents," Pereau said.

"Our houses provide the places where we nurture our most important social relationships: where we form families, raise children, entertain friends, interact with neighbors and build communities," Pereau added.

"Vital and active communities are places where people meet, talk, work and play, forming a larger social network in which children are nurtured, the sick are cared for and elders are supported."

## Goate to speak at STARS program April 22

By TONY FITZPATRICK

The seventh session of the 2002-03 Students and Teachers As Research Scientists (STARS) Academic Year Program will be from 7-8:30 p.m. April 22 at the Century C Millennium Center on the University of Missouri-St. Louis campus.

Alison M. Goate, D.Phil., professor of psychiatry and genetics in the School of Medicine, is known for the discovery of the first known cause of Alzheimer's disease. She will discuss recent research on Alzheimer's disease and its implications for treatment.

STARS scholars, teachers,

"University Events" lists a portion of the activities taking place at Washington University April 18-30. Visit the Web for expanded calendars for the Hilltop Campus ([wustl.edu/calendar](http://wustl.edu/calendar)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

## Exhibitions

**Contemporary German Art: Recent Acquisitions.** Continues through April 20. Gallery of Art. 935-4523.

**Contemporary Projects: Arnold Odermatt Photographs.** Continues through April 20. Gallery of Art. 935-4523.

**East and West — Two Mashiko Potters: Masayuki Miyajima and Darice Veri.** Continues through April 20. Gallery of Art Teaching Gallery. 935-8772.

**Green Givens Display.** Continues through April 18. Givens Hall. 935-6200.

**Made in France: Art From 1945 to the Present.** Continues through April 20. Gallery of Art. 935-4523.

## Film

### Friday, April 18

5:30 p.m. *It's Not Easy Being Green.* Givens Hall, Kemp Aud. 935-6200.

## Lectures

### Friday, April 18

9:15 a.m. **Pediatric Grand Rounds.** "Innate Immunity and Pediatrics — Lessons From the Fly." Paul B. McCray, Jr., prof. of pediatrics, U. of Iowa. Clopton Aud., 4950 Children's Place. 454-6006.

12:30 p.m. **Computational Biology Seminar.** "Stochastic Methods for Elliptic Problems: Applications to Materials and Biology." Michael Mascagni, dept. of computer science, Fl. State U. McDonnell Medical Sciences Bldg., Erlanger Aud. 362-2139.

4 p.m. **Anatomy & Neurobiology Seminar.** Richard Baird, sr. research scientist & center head, Central Inst. for the Deaf, assoc. prof. of anatomy & neurobiology. McDonnell Medical Sciences Bldg., Rm. 928. 362-7043.

6:30 p.m. **Green Givens Week Roundtable.** "The Human Niche: Sustainability for the Built Environment." Panelists include Jane Wolff, asst. prof. of architecture, and Dan Dellmuth, affiliate asst. prof. of architecture. Givens Hall, Rm. 113. 935-6200.

### Monday, April 21

**Noon. Molecular Biology & Pharmacology Seminar.** "Understanding the Receptor Switch: How Do Hormones Activate G Proteins?" Thomas J. Baranski, asst. prof. of molecular biology & pharmacology. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

**Noon. Neurology & Neurological Surgery Research Seminar.** "Deep Brain Stimulation: What's Shocking?" Joel Perlmuter, prof. of neurology & radiology and assoc. prof. of neurobiology. Maternity Bldg., Schwarz Aud. 362-7316.

**Noon. Work, Families, and Public Policy Brown Bag Seminar Series.** "Family Bargaining and Marriage Markets." Marjorie McElroy, prof. of economics, Duke U. Eliot Hall, Rm. 300. 935-4918.

4 p.m. **Biology Seminar.** "The Ecology &

Evolution of Spatially-structured Microbial Communities." Brendan Bohannon, asst. prof. of biological sciences, Stanford U. Rebstock Hall, Rm. 322. 935-4105.

4 p.m. **Pathology & Immunology Lecture.** "Paul E. Lacy Lecture. "Mhc Homologs in Immune Recognition." Pamela J. Bjorkman, prof. of biology, Calif. Inst. of Technology. Eric P. Newman Education Center. 362-2763.

4 p.m. **Physics Seminar.** "Physics Among Light-weights: Superconductivity in MgB<sub>2</sub>." Paul C. Canfield, assoc. prof. of physics, Iowa State U. (3:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

4 p.m. **Romance Languages & Literatures Lecture.** Rava Lecture. "Eros & the Antique: Sir William Hamilton in Enlightenment Naples." Bruce Redford, prof. of English, Boston U. Brookings Hall, Rm. 300. 935-5175.

6 p.m. **Architecture Monday Night Lecture Series.** "Next: Re-considering Everyday Forms & Fabrication." Charles Lazor, designer, BLUDOT Design, Minneapolis. (5:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

### Tuesday, April 22

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Theileria: A Tropical Parasite, Skilled at Surviving in the Jungle of Signal Transduction." Dirk Dobbelaere, prof. of molecular pathology, Inst. of Animal Pathology, U. of Bern, Switzerland. Cori Aud., 4565 McKinley Ave. 362-8874.

**Noon. Program in Physical Therapy Research Seminar.** "Update on Research in Cerebral Palsy." Diane Damiano, assoc. prof. of neurological surgery. 4444 Forest Park Blvd., Rm. B108/B109. 286-1404.

3:30 p.m. **American Association of University Professors Lecture.** "Academic Freedom Since 9/11." Jonathan Knight, dir. of academic freedom, tenure and governance, American Association of University Professors. (3 p.m. refreshments.) Umrath Hall Formal Lounge. 935-6279.

4 p.m. **Anesthesiology Research Unit Seminar.** Wei Wu, graduate research asst. in anesthesiology. Clinical Sciences Research Building, Rm. 362-8560.

5:30 p.m. **Laser Vision Correction Seminar Series.** "Understanding LASIK" and "Am I a Candidate?" Michael S. Connors, dir., refractive surgery center. Center for Advanced Medicine, Lvl. 3 Conference Rm. 747-8036.

7 p.m. **Students & Teachers As Research Scientists (STARS) Academic Year Program.** Alison Goate, prof. of genetics. U. of Mo.-St. Louis, Century C Millennium Center. 516-6226.

### Wednesday, April 23

4 p.m. **Biochemistry & Molecular Biophysics Seminar.** "Molecular Mechanism of Maltose Transport in E. coli, a Model for ABC Transport." Amy L. Davidson, asst. prof. of molecular virology & microbiology, Baylor College of Medicine. Cori Aud., 4565 McKinley Ave. 362-0261.

4 p.m. **English Lecture.** "Liberalism and the Intellectuals, After God and Hitler." David Ciepley, Mellon Postdoctoral Fellow. Duncker Hall, Hurst Lounge. 935-5190.

4 p.m. **Music Lecture.** "Motives of Reconciliation: A Reconsideration of Mozart's *Idomeneo*." Julian Rushton, West Riding Professor of Music, U. of Leeds, England. Music Classroom Bldg., Rm. 102. 935-4841.

4 p.m. **Physics Colloquium.** "Direct Reactions with Exotic Beams." P.G. Hanson, National Superconducting Cyclotron Lab and dept. of physics & astronomy, Mich. State U. (3:30 p.m. coffee, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276.

### Thursday, April 24

8 a.m. **Medicine Grand Rounds.** Annual Morton Binder Visiting Professor of Medicine Lecture. "American Medicine Meets the American Dream." Carl Elliott, assoc. prof. of philosophy and pediatrics and dir. of graduate studies, Center for Bioethics, U. of Minn. Clopton Aud., 4950 Children's Place. 454-7116.

**Noon. Genetics Seminar Series.** "Tau Protein in Neurodegenerative Disease: Genetics and Animal Models." Gerard D. Schellenberg, research prof. of gerontology & geriatric medicine. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

3 p.m. **Mechanical Engineering Sesquicentennial Colloquium.** "Genetic Algorithms: What, How, Why, and Why Not." Mark J. Jakiel, Lee Hunter Professor of Mechanical Design. Cupples II Hall, Rm. 100. 935-6047.

4 p.m. **Cell Biology & Physiology Lecture.** Erlanger-Gasser Lecture. "Life 100nm

Beneath the Plasma Membrane: Watching the Microphysiology of Secretion in Neurons and Endocrine Cells." Wolfhard Almers, sr. scientist, Oregon Health & Science U. McDonnell Medical Sciences Bldg., Rm. 426. 362-6944.

4 p.m. **Chemistry Seminar.** "Chemistry With Stretched Molecules: Using Vibrational Excitation to Probe Surface Chemical Dynamics." Dan Auerbach, IBM Almaden Research Center, Calif. McMillan Lab., Rm. 311. 935-6530.

4 p.m. **Ophthalmology & Visual Sciences Seminar.** "Corneal Changes Associated With SCUBA." Kevin Maverick, ophthalmology resident, and "Visual and Refractive Outcomes in LASEK Patients Compared with LASIK Patients." Jeffrey Padousis, ophthalmology resident. Maternity Bldg., Rm. 725. 362-1006.

### Friday, April 25

9:15 a.m. **Pediatric Grand Rounds.** Annual Ben Abelson Memorial Lecture. "Neuroblastoma: Biological Insights Into a Clinical Enigma." Garrett M. Brodeur, Audrey E. Evans Endowed Chair in Molecular Oncology, Children's Hospital of Philadelphia, U. of Penn. Clopton Aud., 4950 Children's Place. 454-6006.

### Saturday, April 26

7:30 a.m.-noon. **Psychiatry Symposium.** "Antipsychotics: How They Work, How They Fail, How to Fix Them." Cost: \$55 for physicians, \$35 for Allied Health Professionals. Eric P. Newman Education Center. 454-8276.

### Monday, April 28

**Noon. Molecular Biology & Pharmacology Seminar.** "Synaptic Growth and Function: A Genetic Analysis." Aaron DiAntonio, asst. prof. of molecular biology & pharmacology. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

**Noon. Neurology & Neurological Surgery Research Seminar.** Jim Galvin, asst. prof. of neurology & neurobiology. Maternity Bldg., Schwarz Aud. 362-7316.

4 p.m. **Immunology Research Seminar Series.** "Cytokine Signaling and Immunoregulation." John O'Shea, National Inst. of Arthritis, Musculoskeletal & Skin Diseases, National Institutes of Health, Bethesda, Md. Eric P. Newman Education Center. 362-2763.

6 p.m. **Architecture Monday Night Lecture Series.** Sam Fox Arts Center Lecture. "Activist Criticism." Blair Kamin, architectural critic, *Chicago Tribune*. (5:30 p.m. reception, Givens Hall.) Steinberg Hall Aud. 935-6200.

### Tuesday, April 29

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Metal Ions and Oxidative Stress in *Bacillus subtilis*." John Helman, prof. of microbiology, Cornell U. Cori Aud., 4565 McKinley Ave. 362-3692.

4 p.m. **Anesthesiology Research Seminar.** Xue Zhang, research assoc. in anesthesiology. Clinical Sciences Research Bldg., Rm. 5550. 362-8560.

### Wednesday, April 30

4 p.m. **Biochemistry and Molecular Biophysics Seminar.** Carl & Gerty Cori Lecture. "Crystal Structure of the Ribosome, and its Interactions With mRNA and tRNA." Harry F. Noller, prof. Center For Molecular Biology of RNA, U. of Calif., Santa Cruz. Moore Aud., 660 S. Euclid Ave. 362-0261.

## Music

### Tuesday, April 22

7 p.m. **Senior Honors Recital.** "Jazz Improvisation from Dixieland and Swing to Bebop, Hardbop, Cool and Modern Style." Thomas Will Caldwell, guitar. Umrath Hall, Karl Umrath Lounge. 935-4841.

8 p.m. **Department of Music Student Recital.** Graham Chapel. 935-4841.

### Wednesday, April 23

8 p.m. **Concert.** Washington University Jazz Band. Chris Becker, dir. Ridgley Hall, Holmes Lounge. 935-4841.

### Thursday, April 24

8 p.m. **Department of Music Student Recital.** Graham Chapel. 935-4841.

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

### Friday, April 25

8 p.m. **Graduate Recital.** Michelle Goodman, soprano, and Henry Palkes, piano. Steinberg Hall Aud. 935-4841.

### Sunday, April 27

2:30 p.m. **Concert.** Washington University Chorus. Eric Anthony, dir. Graham Chapel. 935-4841.

4 p.m. **Faculty Recital.** Silvan Iticovici, violin, and Peter Henderson, piano. Ridgley Hall, Holmes Lounge. 935-4841.

### Monday, April 28

7 p.m. **Concert.** Jazz Combo. William Lenihan, dir. Tietjens Hall. 935-4841.

### Tuesday, April 29

8 p.m. **Electronic Music Concert.** "Fine Use of Machines." Richard O'Donnell, dir. Tietjens Hall. 935-4841.

### Wednesday, April 30

8 p.m. **Electronic Music Concert.** "J.W. Dundee Presents Terminal Illocity." Tietjens Hall. 935-4841.

## On Stage

### Thursday, April 24

8 p.m. **Performing Arts Department Production.** *Big Love* by Charles Mee. Andrea Urice, dir. (Also April 26, 5 & 9 p.m., April 27, 2 & 7 p.m.) Cost: \$12, \$8 for WUSTL faculty, staff & students. Tickets available at Edison Theatre Box Office. Mallinckrodt Student Center, A.E. Hotchner Studio Theatre. 935-6543.

### Friday, April 25

8 p.m. **OVATIONS!** Ballet Hispanico. Copresented by Dance St. Louis. (Also April 26, 8 p.m. and April 27, 2 p.m.) Cost: \$27, \$22 for seniors, students and WUSTL faculty and staff, \$13 for WUSTL students. Edison Theatre. 935-6543.

## Worship

### Friday, April 18

7 p.m. **Catholic Good Friday Service.** Graham Chapel. 935-9191.

### Saturday, April 19

8 p.m. **Catholic Easter Vigil.** Graham Chapel. 935-9191.

### Sunday, April 20

11 a.m. **Catholic Easter Mass.** Graham Chapel. 935-9191.

## Sports

### Friday, April 18

4 p.m. **Softball vs. Maryville U.** WUSTL Field. 935-4705.

### Monday, April 21

3 p.m. **Men's Tennis vs. Principia College.** Tao Tennis Center. 935-4705.

### Tuesday, April 22

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

### April 25-27

**All Day. Men's & Women's Tennis UAA Championships.** Tao Tennis Center. 935-4705.

### Tuesday, April 29

2 p.m. **Baseball vs. Webster U.** Kelly Field. 935-4705.

## And more...

### Friday, April 18

7 p.m. **Gallery of Art Guided Tours.** Tours of *Contemporary German Art: Recent Acquisitions*; *Made in France: Art From 1945 to the Present*; *East and West — Two Mashiko Potters: Masayuki Miyajima and Darice Veri*; and *Contemporary Projects: Arnold Odermatt Photographs* led by student docents. Gallery of Art. 935-4523.

### Tuesday, April 22

6:30 p.m. **Poetry Reading.** Nancy Morejón, poet. Duncker Hall, Hurst Lounge. 935-5175.

### Friday, April 25

4-6 p.m. **University Libraries Open House.** Kranzberg Illustrated Book Studio. West Campus Conference Center, Lower Lvl. 935-5418.



## Awards

**Epstein, Johnson are 'outstanding choices'**  
— from Page 1

"Professors Epstein and Johnson are outstanding choices for this year's faculty achievement awards," Wrighton said. "Each has been recognized for their scholarly achievements by their colleagues and peers, and their career contributions thus far are truly exceptional."

"They join a distinguished group of earlier recipients of the awards. The University is fortunate to have such outstanding academic leaders as members of its community, and it is noteworthy, of course, that these awardees have been selected by distinguished members of the faculty. Such recognition by one's peers is especially significant and prized."

The selection committee for the awards includes three members each from Arts & Sciences and the medical school and one member from each of the University's other six schools.

Criteria for selection are:

- Outstanding achievement in research and scholarship;
- Recognized prominence within the community of scholars;
- Service and dedication to the betterment of the University; and
- Respected accomplishment in teaching.

The awards include a \$5,000 honorarium.

**Epstein** joined the political science department in 1991 and soon after became a full professor. From 1995-99, she served as department chair, and in 1998 she was named to the Mallinckrodt professorship.

In 2000, she received a dual appointment when she joined the law school.

Internationally recognized as a leading authority on courts, law and judicial politics, Epstein has authored, co-authored or edited 12 books, including award-winners *The Supreme Court Compendium: Data, Decisions, and Developments* and *The Choices Justices Make*.

In addition, Epstein is the recipient of seven grants from the National Science Foundation to support her research.

Contributing to her profession, Epstein serves as a member of the board of directors of the American Judicature Society and as a member of the board of trustees of the Law and Society Association. She sits on the editorial or advisory boards of several scholarly publications, and she currently serves as president of

the Midwest Political Science Association.

As an active member of the University community, Epstein is on the Academic Planning Committee for the College of Arts & Sciences; the advisory boards for the law school's Center for Interdisciplinary Studies and Whitney R. Harris Institute for Global Legal Studies; and the University's Academic Freedom and Tenure Hearing Committee.

Recognized for her inspiring and demanding role as a teacher, she was recently honored with the Faculty of the Year Award from Student Union and as Professor of the Year by the Undergraduate Political Science Association.

**Johnson** is internationally renowned for his research on the death of nervous-system cells during normal development and in response to disease.

In collaboration with Jeffrey D. Milbrandt, M.D., Ph.D., professor of medicine and of pathology and immunology, Johnson's team discovered three neurotrophic factors, which are molecules critical for the development and maintenance of the nervous system. With the ability to protect and restore nerve cells, these proteins may provide a basis for medically preventing and treating neurodegenerative diseases like Parkinson's disease.

Johnson's research has also helped explain how nervous-system cells die without sufficient amounts of neurotrophic factors, as occurs during normal development. His team continues to study the biochemical and genetic mechanisms of this cell death and to examine pharmacological approaches to preventing nerve-cell death in neurological diseases.

Johnson earned a bachelor's degree in pharmacy in 1966 and a doctorate in medicinal chemistry in 1970, both from the University of Maryland. He joined the School of Medicine faculty in 1976.

In addition to his duties at the medical school, Johnson serves on several national editorial boards and committees, including the Medical and Scientific Council of the Alzheimer's Association and the advisory council of the National Institute on Aging.

He has received many honors and awards, including six Distinguished Teaching Service Awards from the School of Medicine. He also received the MERIT Award of the National Institute on Aging and was named the Decade of the Brain Medalist by the American Association of Neurological Surgeons.



**May we WashU car?** Juniors Jonathan Drucker (left) and Alok Kothari get down and dirty to help Wash U Build raise more than \$400 at the group's recent car wash at Glenridge Elementary School in Clayton. Wash U Build is the University's chapter of Habitat for Humanity and encourages students to make a positive difference in the St. Louis community. Its main functions are to raise funds for building Habitat homes in the area, raise awareness about the need for affordable housing, and to actually build alongside future Habitat homeowners at Habitat construction sites.

## Sports

### Softball team ties school-wins mark

The No. 14 softball team tied a school record for wins as the Bears improved to 24-5 with two doubleheader sweeps last week. Sophomore Victoria Ramsey threw a one-hitter in Game 1 and freshman Ashley Johnson threw a two-hitter in Game 2 as the Bears swept Blackburn College April 10. Ramsey allowed just a third-inning single in leading the Bears to the 3-0 win — her second straight one-hitter. In the nightcap, Johnson set a school record with 11 strikeouts as she threw no-hit ball for five innings before allowing a leadoff single in the sixth. The Bears cruised 4-0. Two days later, WUSTL swept MacMurray College, 2-1 and 4-0. Ramsey

improved to 11-2 in the opener, while Liz Smith won the second game and is unbeaten at 5-0.

### Other updates

The **baseball** team (18-8) won its fourth straight April 9 with a 10-3 win at Westminster College. Steve Schmidt recorded his second straight complete-game win. He allowed 13 hits, but gave up just single runs in the third, fifth and ninth innings as he improved to 4-0. He also was hot at the plate, going 3 for 4 with two runs, two RBIs, a home run and a stolen base. The Bears got three runs each in the second, fifth and eighth and added another in the ninth. Joe Kelly also went 3 for 4 with a homer and two RBIs, and Ramos Mays and Alan Germano each collected a pair of RBIs.

The **women's tennis** team finished third at the Midwest

Invitational in Madison, Wis., April 11-12. The Bears, ranked ninth in the latest ITA Division III national rankings, rolled past No. 20 Kenyon College, 8-1, in the first round. Kenyon picked up a win in the final singles match to avoid the sweep. The Bears were beaten by No. 5 Gustavus Adolphus, 7-2, but rebounded for an 8-1 win over No. 12 Denison in the third-place match. Junior Laura Greenberg pushed her career record to 99-11 with a 5-1 week, going 2-1 at No. 4 singles and teaming with Jenny Stein to go 3-0 at No. 3 doubles.

The No. 7 **men's tennis** team improved to 8-4 with a 7-0 win over University Athletic Association foe New York University April 12. The Bears won every match in straight sets.

## Friedman

**To open, close University's sesquicentennial year**  
— from Page 1

dent. For the next four years, he traveled some 500,000 miles covering Secretary of State James A. Baker and the end of the Cold War.

In November 1992, Friedman shifted to domestic politics and was appointed chief White House correspondent. He covered the transition and first year of the Clinton administration.

In January 1994, Friedman shifted again, this time to economics, and became the *Times'* international economics correspondent, covering the nexus between foreign policy and trade policy. In January 1995, he became the *Times'* foreign affairs columnist, only the fifth person in the paper's history to hold that post.

Friedman was awarded the 1983 Pulitzer Prize for international reporting (from Lebanon); the 1988 Pulitzer for international reporting (from Israel); and the 2002 Pulitzer for commentary.

His second book, *The Lexus and the Olive Tree* (2000) is a look at the new international system that, more than anything else, is shaping world affairs today: globalization.

In the book, Friedman argues

that globalization is not just a phenomenon or a passing trend. It is the international system that replaced the Cold War system. Globalization is the integration of capital, technology and information across national borders in a way that is creating a single global market and, to some degree, a global village.

He recently completed a third book, *Longitudes and Attitudes: Exploring the World After September 11*, a collection of his post-September 11 *Times* columns plus added commentary.

Friedman received the 1987 New Israel Fund Award for Outstanding Reporting From Israel; the 1985 Marine Corps

Historical Foundation Award for writing on the history of the Marines; the 1984 New York Newspaper Guild Page One Award; the 1982 George Polk Award; the 1982 Livingston Award for Young Journalists; and the 1980 Overseas Press Club Award.

He is a member of Brandeis University's board of trustees and of the Advisory Board of the Marshall Scholarship Commission. Friedman has been awarded honorary degrees from Brandeis and Macalester, Haverford and Hebrew Union colleges.

He lives outside Washington, D.C., with his wife, Ann, and their daughters, Orly and Natalie.

## Campus Watch

The following incidents were reported to University Police **April 9-15**. 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](http://police.wustl.edu).

### April 11

12:55 p.m. — A person reported an unsecured bicycle was stolen from the bike rack in front of Gregg Residence Hall.

### April 12

12:55 p.m. — A person reported an unattended cell phone was stolen during a floor gathering in Liggett Residence Hall.

### April 14

10:18 a.m. — While attending Celebration Weekend at the University, a prospective student stated that between 11 p.m. April 12 and 10:30 a.m. April 13, an unknown person entered his unsecured room in Lee Residence Hall and took \$200 from his wallet, which

was in his suitcase.

2:53 p.m. — An unknown person stole three power tools from the Cyclotron. It was not known how entry was gained. Total loss is estimated at \$830.

4:13 p.m. — At approximately 11:30 a.m., a bookstore employee delivered items to the mail room in Wohl Student Center, leaving a hand cart at the entrance of the building. Upon returning at about 3 p.m., the hand cart was missing.

*Additionally, University Police responded to three reports of larceny; and one report each of judicial violation, trespassing, disturbance, auto accident and injury.*



## Notables

### School of Law presents alumni awards to six

By JESSICA N. ROBERTS

The School of Law honored six individuals April 11 at its annual Distinguished Law Alumni Awards Dinner at the Starlight Roof at the Chase.

Distinguished Law Alumni Award honorees were John W. Kozyak, Sanford S. Neuman, Joan M. Newman and Maury B. Poscover.

Pamela H. Bucy and R. Mark McCareins received Young Alumni Awards.

Joel Seligman, J.D., dean and the Ethan A.H. Shepley University Professor, presented the awards.

**Kozyak** (J.D. '75) was recognized for his long-standing commitment to pro bono work, continuing legal education and promoting diversity.

Kozyak has concentrated on commercial bankruptcy and has been recognized in every edition of *Best Lawyers in America* since 1978. In 1984, he established a bankruptcy retreat for the Bankruptcy Bar for the Southern District of Florida, which is now recognized as one of the most prestigious continuing legal education programs in the country.

The Florida Commission on the Status of Women and the Florida Bar Association has recognized Kozyak Tropin & Throckmorton for its diverse work force.

**Neuman** (B.S. '56 and J.D. '59) was recognized for his deep commitment to educational and public service organizations in the St. Louis community.

Neuman is a founding member and managing partner of Gallop Johnson & Neuman. The firm was founded in 1976 and is one of the largest in St. Louis.

At the University, he serves on the law school's national council and has taught taxation courses as an adjunct professor.

Neuman is a vice president and serves on the executive committee and board of the Jewish Federation of St. Louis.

**Newman** (J.D. '72 and LL.M. '73) was recognized for her service and dedication to the St. Louis community and for her accomplishments in the legal profession.

Newman is a partner in the St. Louis firm of Thompson Coburn, where she serves on the management committee and chairs the employee benefits practice area.

She is past president of the law school's alumni association, a former member of the school's

national council and a former adjunct professor in the graduate tax program.

**Poscover** (J.D. '69) was recognized for his service to and achievements in the legal community.

As a partner at Husch & Eppenger, Poscover is nationally recognized for his expertise in commercial finance, business transactions and law practice management.

In 1999, Poscover was elected to the board of governors of the American Bar Association.

Since 1997, he has served on the law school's national council and serves on the Law Capital Resources Committee. He chaired the school's alumni association in 1980-81.

In addition, Poscover and his wife, Lorrie (J.D. '68), established the Poscover Endowed Scholarship in 2000.

**Bucy** (J.D. '78) was recognized for her contributions to legal education.

As the Frank M. Bainbridge Professor of Law at the University of Alabama, Bucy teaches in the areas of white-collar crime, criminal law and criminal procedure.

Four times selected by students for an outstanding teacher award, her students have also honored her with three Thomas Christopher Awards, which are given to faculty who make "a lasting contribution to legal education."

A prolific author, Bucy is nearing completion of her seventh book on the subject of white-collar crime. Her numerous articles have been published in law reviews and bar journals.

**McCareins** (J.D. '81) was recognized for his professional achievements and his contributions to the University.

McCareins is a senior partner in the Chicago office of Winston and Strawn and is a member of the firm's Litigation Department Management Committee. He is a fellow of the American Bar Foundation.

McCareins has been adjunct professor at Northwestern University's Kellogg Graduate School of Management.

At Washington University, he is a member of the law school's Alumni Executive Committee. He is an advisory board member to the *Law Quarterly*, and he chairs the advisory board for the school's Institute for Interdisciplinary Studies.



**Outstanding mentors** Receiving Outstanding Faculty Mentor Awards at an April 8 ceremony are (from left) Robert W. Sussman, Ph.D., professor of anthropology in Arts & Sciences; Chakravarthi Narasimhan, Ph.D., the Philip L. Siteman Professor of Marketing in the Olin School of Business; Lynne Tatlock, Ph.D., the Hortense and Tobias Lewin Distinguished Professor in the Humanities and chair of the Department of Germanic Languages and Literatures in Arts & Sciences; David M. Holtzman, M.D., the Charlotte and Paul Hagemann Professor of Neurology and Molecular Biology and Pharmacology; and Robert Henke, Ph.D., associate professor of drama and of comparative literature and chair of comparative literature. The awards are presented by the Graduate Student Senate and are designed to honor faculty members whose dedication to graduate students and commitment to excellence in graduate training have made a significant contribution to the quality of life and professional development of graduate students in Arts & Sciences. Thirty-two other faculty members received recognition at the ceremony; for a list of those faculty members, go to [artsci.wustl.edu/~gss/mentor\\_awards/2003awards](http://artsci.wustl.edu/~gss/mentor_awards/2003awards).

## Obituary

### Kropp, Olin School of Business; 57

By ROBERT BATTERSON

Dean H. Kropp, Ph.D., the Dan Broida Professor of Operations and Manufacturing Management and co-director of The Boeing Center for Technology, Information and Manufacturing at the University, left an indelible impression on all he touched, including the thousands of students he taught since 1986 at the Olin School of Business and his higher-education colleagues.

Kropp's legacy at the University reached beyond the classroom. He led the business school's Total Quality Schools Program, helping city public-school principals apply sound principles of management to improve their schools, and he worked with countless companies in the United States, Asia and Europe.

He died Friday, April 11, 2003, at Barnes-Jewish Hospital after a three-year battle with leukemia. He was 57.

Before coming to the

University, Kropp taught at the Kellogg Graduate School of Management at Northwestern University and at the Tuck School of Business at Dartmouth College.

Kropp won the coveted Teacher of the Year award an unprecedented 15 times in voting by Washington University master of business administration students.

Olin School Dean Stuart I. Greenbaum, Ph.D., said that Kropp was an exceptional member of the business school faculty and a distinguished teacher.

"For Dean Kropp, teaching was more than a profession; it was his calling, his passion, his chosen identity," Greenbaum said. "To the very end, he would not be deprived of contact with his students, for they sustained him, defined him and dignified him. Our profession had no greater zealot, and his legacy is secure."

Kropp earned a bachelor's degree in engineering and master's and doctoral degrees in

industrial engineering from Stanford University.

Kropp received a bone-marrow transplant from an anonymous donor found on an international marrow registry.



Kropp

The family would like to express their gratitude for the care provided to Kropp and his family by the University physicians, the staff of the Alvin J. Siteman Cancer Center at the School of Medicine and Barnes-Jewish Hospital, and the caring health professionals of the leukemia and stem cell transplant unit at Barnes-Jewish.

A memorial service will be at 4 p.m. April 21 in Graham Chapel.

Among the survivors are his wife, Kristine Kropp; children Hobbie, Caitlin and Chandler Kropp; sister Nancy Grote of Pittsburgh; and many close friends, including his hiking group.

Memorial contributions may be made to the Olin School of Business in support of the Total Quality Schools Program.

## For the Record

**M. Susann Wamsley, M.D.**, clinical fellow in surgery, has received a one-year, \$15,458 Smile Train/Plastic Surgery Education Foundation Cleft Research Initiative grant from the Plastic Surgery Educational Foundation for research titled "Regulation of Palatal Fusion." ...

**Yonghe Li, M.D.**, research instructor in pediatrics, has received a four-year, \$260,000 grant from the Heartland Affiliate Research Committee of the American Heart Association for research titled "Roles of LRP1B Endocytosis in Urokinase Receptor Regeneration and Smooth Muscle Cell Proliferation and Migration." ...

**Michael J. Brenner, M.D.**, postdoctoral trainee in otolaryngology, has received a one-year,

\$14,491 ASSH Research Grant from the American Society for Surgery of the Hand for research titled "Stacked End-to-Side Nerve Repairs for Complex Nerve Injuries," and a one-year, \$4,000 grant from the Plastic Surgery Educational Foundation for research titled "Anatomy of Nerve Regeneration after End-to-End Neurorrhaphy."

## Correction

April 4 issue, Page 7: The incorrect recipient of a fellowship was published. Postdoctoral fellow **Laurie P. Shornick, Ph.D.**, has received a three-year, \$120,000 Parker B. Francis Fellowship from the Parker B. Francis Fellowship Program. The *Record* regrets the error.



**Honoring service** A pair of world-renowned architects recently marked School of Architecture Dean Cynthia Weese's 10th year of service by designing a trio of teak commemorative benches in her honor. Two benches by Juhani Pallasmaa, the Raymond E. Maritz Visiting Professor, combine for a symbolic length of 10 feet and will flank the southern entrance to Givens Hall. A third bench, by Fumihiko Maki, architect of the University's proposed Sam Fox Arts Center, will sit in perpendicular counterpoint, optimistically looking toward her future tenure. Weese was presented with a model of the designs, crafted by architecture seniors Mark Johnson and Sabri Farouki, during a recent ceremony in Steinberg Hall. The benches themselves are now in fabrication and will be installed this fall.



# Washington People

**B**orn in Japan as the fourth daughter of Southern Baptist missionaries, Rebecca L. Copeland, Ph.D., associate professor of Japanese language and literature in Arts & Sciences, has spent much of her career studying the "bad girls" of Japanese literature. "I've always been interested in women who do things their culture or society does not want them to do," Copeland said. "I'm intrigued by women who write despite serious social pressure to do otherwise, women who use their writing to raise important questions about society even as society tries to exclude them from the discussion."

In her dissertation research, Copeland focused on Uno Chiyo, a flamboyant Japanese woman writer who became a national sensation in the 1920s by writing scandalous, tell-all books about her sexual exploits with prominent Japanese men. Copeland's research has reshaped academic opinion and established Uno as an important literary figure.

In recent research, Copeland digs into the historical context



Rebecca Copeland discusses the concept of "confession" in the work of Uno Chiyo during a spring-semester seminar on "Japan Meets Modernity: Reading the Modern Girl in Pre-War Japanese Literature."

## Unconventional exploration

Rebecca L. Copeland's research on 'bad girls' of Japanese literature has reshaped many academic opinions

behind her own family's experiences in Japan, examining how Japanese women writers of the late 1800s were influenced by the peculiar notions of foreign missionaries — women who offered examples of strong-willed independence in sharp contrast to the gender norms of Japanese society.

Her book on these and other issues, *Lost Leaves: Women Writers of Meiji Japan*, was named as a *Choice* magazine Outstanding Academic Title for 2001.

A faculty member at the University since 1991, Copeland is the author of several books, including two on Uno. She has edited anthologies, essays and other publications in the field and is an accomplished translator, an essential skill for Japanese scholars because most American students find the language difficult to read.

Jim Fujii, a professor of modern Japanese literature at University of California, Irvine, describes Copeland as a highly respected scholar-critic whose contributions have benefited the field of gender and women's studies in Japanese literature. He praises her translation of a "complex and daunting" essay by Maeda Ai, an important literary critic in postwar Japan.

"Rebecca did a superb job, hunting down obscure references, untangling thorny elliptical sentences and giving us a highly readable translation of a work that brings women's literature into the center of modern Japanese literary activity in its early stages," Fujii says, "a time that up until very recently was seen as being an exclusively male writer- and reader-dominated realm."

Copeland often returns to Japan to conduct research, including trips sponsored by the Japan Foundation, the Association for Asian Studies and Fulbright-Hays. She has presented at universities across the United States and in Canada, Germany, the Netherlands and even Tasmania.

This summer, she will attend conferences in Leeds, England, and Warsaw, Poland.

Her recent work explores how contemporary Japanese women writers are using the popular genre of detective fiction to raise questions about Japanese society. In a forthcoming article, she contends that detective fiction writer Kirino Nasuo uses pornography to unsettle readers and force a disconcerting consideration of the oppressing limitations placed on

women.

"Kirino takes readers through the dark and dangerous world of the pornography industry where women are exploited as objects of desire," Copeland writes. "But at a deeper level, Kirino questions contemporary sexuality in Japan, interrogating the agency and authenticity of female desire. Juxtaposing the marriage system alongside the pornography industry, Kirino undermines the sacrosanct position of the Japanese family institution."

Japan has long been a part of the Copeland family institution.

Her parents moved there as missionaries after World War II. In 1956, after Copeland was born, the family moved to Wake Forest, N.C., where her father began teaching at a seminary. Copeland grew up fairly indifferent to Japanese culture, but that changed in college.

She was pursuing a creative writing degree at St. Andrews College in North Carolina when her father became chancellor of a Baptist-founded college in Japan. Her parents urged her to join them and study abroad.

"I was torn," Copeland says. "I was 19 years old and enjoying my freedom. I was caught up in my poetry and living this wonderful Bohemian existence."

"I wasn't thrilled with the idea of spending junior year back in my parents' home. I didn't give in until a professor told me I'd be an idiot to pass up the opportunity."

She now sees the experience as the most important year of her life.

"I became enthralled with Japanese poetry and writing," she says.

"Encountering another culture transformed me, and I wanted to expose others to the experience. It really solidified for me what I was interested in and what I wanted to do with my life."

In 1978, Copeland entered the Japanese literature graduate program at Columbia University. In a field dominated by male scholars, she capitalized on her "otherness" by becoming the first at Columbia to research modern Japanese women writers.

Her decision to focus on Uno brought encouragement from her professors and puzzlement from male scholars in Japan.

"People in Japan were appalled when I told them what I was working on," Copeland says. "Uno was not the kind of woman that people

expected some missionaries' kid to be interested in, and most scholars considered her work second-rate."

"People thought it odd that a scholar from Columbia would waste time on the writings of a modern Japanese woman. My choice of Uno was even more shocking."

In the end, she proved her critics wrong.

Her research affirms that Japanese women managed to write despite intensely restrictive social expectations and gender limitations. Through persistence, dedication and clever subterfuge, they found ways to add their voices to cultural discussions, often becoming the first writers to raise questions about societal issues such as feminism, discrimination and environmental degradation.

After earning a doctorate and two master's degrees from Columbia, she taught one year in Japanese language and literature at University of Tennessee. In 1986, she began a five-year stint on the faculty of International Christian University in Tokyo.

On three occasions, she led students on hikes up Mount Fuji.

"There's a Japanese saying about Mount Fuji: 'He who does not climb is a fool. He who climbs twice is a fool,'" Copeland says.

"Apparently, there is no mention of he who climbs three times."

At Washington University, she has climbed into several departmental administrative roles, serving as director of East Asian Studies in Arts & Sciences from 1998-2002. She also led efforts to win a \$1.3 million grant from the Freeman Foundation for the Visiting East Asian Professionals (VEAP) Program, an undergraduate Asian studies initiative launched in 2002.

The Freeman contribution represents the largest single foundation grant for promotion of Asian studies that the University has ever received, says Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences.

"Under Rebecca's leadership, the VEAP program already has resulted in extended visits to campus by an impressive array of prominent Asian journalists, artists and other professionals," Macias said. "VEAP visitors are interacting with faculty and students and participating in public forums, special courses and workshops."

"The interdisciplinary nature of the program is generating some

terrific new ideas."

Copeland teaches the University's undergraduate course on Japanese civilization, as well as upper-level courses on Japanese literature, fiction and theater. She co-teaches an individual practicum designed to help students with their translation skills.

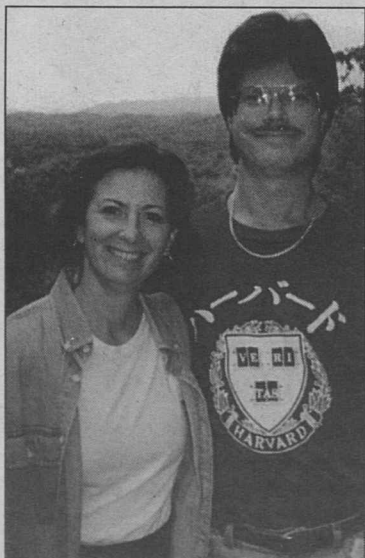
She also brings her research into the classroom with courses such as "Modern Japanese Women Writers: Madame Butterfly's Delinquent Daughters" and a special topics seminar on "Japan Meets Modernity: Reading the Modern Girl in Pre-War Japanese Literature."

Copeland is respected for her research and teaching, but her hallmark may be the life-shaping impact she often has on the students she advises and the colleagues she mentors.

Eleanor J. Hogan, whom Copeland mentored during master's and doctoral studies at the University, recalls Copeland as a solid, good-natured teacher who was very giving of her time — qualities she continues to heap on students long after graduation.

"She has continued to be a marvelous mentor by introducing me to other scholars in the field, suggesting avenues for further research, commenting on my book proposal and writing recommendations for grants," says Hogan, now an assistant professor of Japanese at Gettysburg College in Pennsylvania.

"In addition to all of that," Hogan adds, "she has also become a great friend. I could want nothing more from a professor and mentor."



Copeland and husband Richard Ruby enjoy a hike in the Blue Ridge Mountains of eastern Tennessee.

### Rebecca L. Copeland

**University title:** Associate professor of Japanese Language & Literature in the Department of Asian and Near Eastern Languages and Literatures and director of the Visiting East Asian Professional program, both in Arts & Sciences

**Years at the University:** 12

**Degrees:** B.A. in English and creative writing from St. Andrews College in Laurinburg, N.C. (1978); M.A. (1982) and Ph.D. (1986) in Japanese literature, and M.A. in philosophy (1983), all from Columbia University

**Family:** Husband, Richard Ruby, a St. Louis-based entrepreneur and gemologist

**Hobbies:** Hiking, non-competitive triathloning, canoeing, and raising German Shepherds; exploring out-of-the-way hot-spring towns in Japan with her husband