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Record

March 25, 1999

Volume 23 No. 25



Washington University in St. Louis



Sophomore forward Tasha Rodgers (right) embraces assistant coach Steve Cochran in a moment of jubilation following the Bears' 74-65 NCAA Division III women's basketball championship victory over the College of St. Benedict (Minn.) Saturday, March 20. Rodgers tallied a career-high 23 points en route to all-tournament honors.

JOE ANGELES

Champions! Women win NCAA title

By Keith Jenkins

For Washington University's national champion women's basketball team, winning one is lots of fun, but winning again is twice as nice. But the Bears didn't just win their second consecutive NCAA Division III national championship last weekend in Danbury, Conn. — they won all 30 games in 1998-99 to become just the third team in Division III women's history and just the 19th

team ever in any NCAA division, men's or women's, to finish the season unbeaten.

The team defeated the University of Scranton (Pa.), 74-65, in the national semifinals and knocked off the College of St. Benedict (Minn.) by the same 74-65 score in the championship game to claim the second national basketball championship in school history and the school's ninth national crown in the last 11 years.

"Wow," said Bears head coach Nancy Fahey. "It's hard to describe the feeling. When you win the first one, it's an unbelievable feeling, but to win this one the way we did, going undefeated, it's just amazing."

It wasn't as easy as the two nine-point wins would indicate. Against Scranton on Friday, the Bears opened a 16-point lead early in the game and took a 10-point lead into halftime, 39-29. After

See **Champions**, page 2

MBA students go global with work in China, Brazil

By Nancy Mays

After years of working abroad, from Shanghai to Sao Paulo, Brazil, William P. Coon, senior lecturer in international business at the John M. Olin School of Business, knows the best way to teach students the ins and outs of foreign markets: Take them there and put them to work.

For the second consecutive year, master of business administration students in Coon's "Global Management Studies" class have traveled abroad to conduct two-week research projects for companies with foreign interests.

"The best way for students to learn how to do business abroad is for them actually to do business abroad," said Coon.

First, the students spend eight weeks studying a foreign country in depth, learning everything from an overview of its history to its current negotiation techniques — protocol that won't offend. Speakers with business experience abroad also visit as guest lecturers, sharing their firsthand experiences.

Then, the research project. Students themselves decide on a list of possible projects, make contact with the corresponding companies and prepare to work abroad. This year, two teams of students participated, one focusing on Asia, the other on Brazil. For two weeks, including spring break, the students worked from sunup to sundown, meeting

See **China**, page 6

Danforth scholars

Group exemplifies academic excellence, leadership and service to community

By David Moessner

One student has provided more than 1,000 hours of emergency medical assistance to fellow students. Another has enlightened fourth-graders about ecology. A third helped develop and implement Minnesota's first statewide citizenship program for Latinos.

These tip-of-the-iceberg illustrations, varied in style but kindred in substance, depict a blending of rigorous academic pursuit with a life of leadership and service. And that union is the essence of an extraordinary group of 14 Washington University students — the first cohort of Danforth Scholars.

Named in honor of William H. and Elizabeth Gray Danforth, the chancellor and first lady of the University from 1971 to 1995, the Danforth Scholars Program is a tribute to their legacy of exemplary leadership and service.

"The Danforth Scholars Program honors the student who embraces high ideals — the student whose life choices are guided by personal integrity, selflessness, a commitment to community and a dedication to leadership and academic excellence," said James E. McLeod, vice chancellor for students and chair of the Danforth Scholar selection committee. "This group embodies those principles."

A quick glimpse at the members of the first assemblage underscores that praise:

• **Justin Bachmann** is a junior, double-majoring in biology and political science in Arts and Sciences. He has worked three years — logging more than 1,200 hours — with the Emergency Support Team, a volunteer student organization that provides free and confidential 24-hour emergency medical care to the University community.

• **Stephanie Baker** is a junior, majoring in psychology in Arts and Sciences. The president of the Association of Black Students, she also has been an active leader in Black Women/Jewish Women: Discovering Common Threads and has served as a member of the Minority Faculty Recruitment Committee.

• **Felecia Bartow** is a first-year graduate student in social work. After graduating from Macalester College in Minnesota, she worked as a counselor at an emergency shelter for abused and neglected children and as a legal advocate at a nonprofit law office. The Latino citizenship program she helped initiate has served more than 1,500 to date.

• **Deanne Bell** is a sophomore, majoring in mechanical engineering. She is active in student government, currently serving as student services chair for the Engineering Council and as a sophomore class cabinet member. She also played on the Bears' NCAA semifinalist women's soccer team.

• **Rebecca Classen** is a sophomore, majoring in art. She has been involved in the EcoAct program, in which she taught fourth-graders about ecology, and spent last summer teaching art and drama classes to children. With another student, she recently organized a 200-piece exhibition of female artists from the University.

• **Orli Cotel** is a freshman in Arts and Sciences. She has served as a spokesperson for Hands Across the Ocean, a program promoting tolerance among Jewish, Arab and African-American youth, and also is involved in planning and running educational and leadership-training seminars.

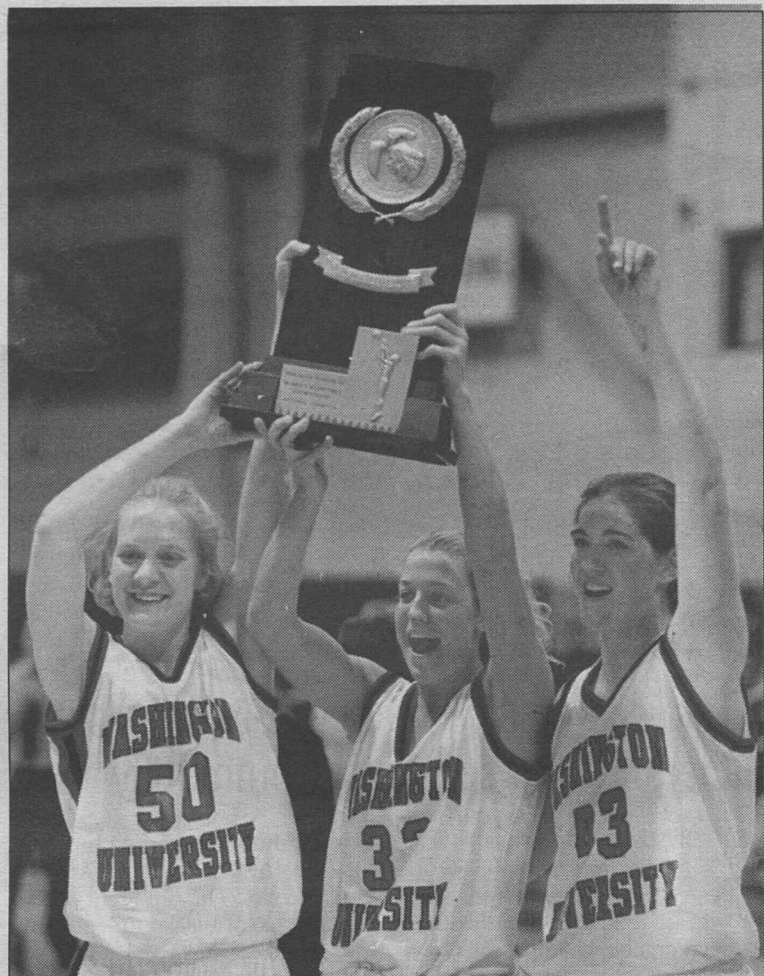
• **Cheryl Ekkebus** is a junior, double-majoring in biomedical

See **Danforth**, page 6



MARY BURTIS

Sweatshop awareness Sophomore Kimberly Sudheimer (right) signs a petition Thursday, March 18, urging the University to adopt a licensing code of conduct governing the conditions under which garments bearing its name are made. Members of the student group Focused on Social Justice — including sophomore Emily Beckman, above — staffed a booth at Mallinckrodt Center through the week to inform students about conditions in U.S. and overseas sweatshops.



Women's basketball team captains Jana Hermann (left), Emily Nolan (center) and Alia Fischer hold aloft the NCAA Division III championship trophy after the Bears netted their second straight national title Saturday, March 20.

Basketball

Women win NCAA title, finish season unbeaten

— from page 1

pushing the lead back to 12 at 47-35 early in the second half, the Lady Royals scratched their way back into the game. Scranton used runs of 7-0, 10-4 and 7-0 to close to within four (63-59) with just over six minutes left. Sophomore Tasha Rodgers, who was named to the all-tournament team, responded by scoring the Bears' next 10 points as the team held on for the win.

Rodgers' performance, 21 points and six rebounds, was topped only by that of teammate Alia Fischer, a junior, who poured in a season-high 31 points on 13-of-19 shooting and grabbed seven rebounds.

The duo was back at it against

St. Benedict as they combined for 42 points and 23 rebounds. The Bears led 34-30 at the half on the strength of 12 first-half points by Rodgers and 12 rebounds by Fischer, but it was the Blazers who led 48-44 with just over 10 minutes left to play.

As they had all weekend, though, the Red and Green came right back with a big run, 10-1 this time, to go up 54-49. St. Benedict would as close to as two (60-58), but Fischer answered with five straight points as the Bears posted their 38th straight win and 10th consecutive victory in the NCAA tournament.

Fischer, who joined Rodgers on the all-tournament team, capped off the season by earning the Rawlins/Women's Basketball Coaches Association Division III Player of the Year honors for the second consecutive season in addition to first-team Kodak All-America honors for the second year in a row and GTE first-team Academic All-America honors.

U.S. News rankings Medical School is No. 4

Washington University School of Medicine is one of the top four medical schools in the country and No. 1 in student selectivity, according to U.S. News & World Report's annual rankings of graduate and professional programs, released Friday, March 19.

The school ranked No. 4, following Harvard, Johns Hopkins and the University of Pennsylvania. The rankings will appear in the March 29 issue available on newsstands March 22.

This is the second consecutive year the school has rated number one in student selectivity, which is a quality measure that reflects the entering class' undergraduate grade-point average and scores on admissions exams.

"The University community is proud to see the School of Medicine has been in the top five in recent years," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the medical school. "It is especially gratifying to see our students again ranked so highly among their peers, a well-deserved credit to them and to our medical faculty and staff who are devoted to training the world's finest physicians and scientists."

Numerous specialty areas at

the medical school also were listed among the nation's best. The medical school ranked fourth in microbiology, tied for fifth in neurosciences, ranked ninth in genetics, tied for ninth in AIDS programs and tied for 10th in drug/alcohol abuse programs.

The school also climbed three places to No. 5 in pediatrics and rose two places in internal medicine to No. 5.

The rankings of medical institutions include all 125 accredited medical schools in the United States. Washington University School of Medicine has retained its position in the top 10 since U.S. News began ranking medical schools in 1987.

The John M. Olin School of Business advanced one place to No. 30 and the Executive MBA program also moved up one spot to No. 13.

"The Olin School reinvented itself in 1995 through a series of programmatic, personnel and facilities initiatives that have profoundly altered the ways in which we teach, learn and conduct research," said Stuart I. Greenbaum, Ph.D., dean of the John M. Olin School of Business. "I'm pleased to see these advances impacting the data that are inputs to the U.S. News survey. The advance was not

unexpected, and we firmly believe our ascent in the rankings will continue for years to come."

The Department of Biology in Arts and Sciences ranked 12th in the biological sciences category, up from No. 15 in 1998.

"I was extremely happy and excited about the rankings, especially the trend upwards. And we have every intention of going higher," said Ralph Quatrano, Ph.D., the Spencer T. Olin Professor and chair of the biology department. "This ranking represents the strengths of biological sciences across campus."

This year's rankings for graduate programs in engineering and law were similar to last year's. The School of Engineering and Applied Science ranked No. 40 and the School of Law ranked No. 32.

The Department of Education in Arts and Sciences ranked No. 39 in the School of Education category.

In general, the magazine's rankings are based on varying criteria that can include reputation, research activity, student selectivity, faculty resources and surveys of deans, faculty and administrators. This is the 13th year the magazine has ranked graduate schools. To access these and other U.S. News rankings online, visit www.usnews.com.

April Welcome

Prospective students get glimpse of campus life

By CHRISTINE FARMER

As the campus community welcomes warmer weather, many also are gearing up to welcome students admitted to next fall's freshman class. April Welcome, an annual monthlong event, will bring about 1,000 prospective members of the Class of 2003 to campus for a sampling of life at Washington University.

The admitted students, who received an invitation to visit campus any time in April, were culled from an all-time record of 17,105 undergraduate

applications, an increase of about 6 percent over last year's record numbers. Since 1994, applications have risen by more than 120 percent.

In its seventh year, the Office of Undergraduate Admissions event gives students an opportunity to experience the University and the St. Louis area.

"The experience students have while visiting is critical to their enrollment in the fall," said Nanette Tarbouni, director of admissions in the Office of Undergraduate Admissions. "About half of the students who participate in April Welcome end up enrolling at Washington University."

The high school seniors can take part in activities both on and off campus during their visit. They can room with a current student in a residence hall, sit in on classes, talk with faculty, attend meetings and social activities sponsored by numerous student organizations and sample the area's entertainment and cultural attractions — sporting events, theater, concerts and museums. The Multicultural Celebration Weekend April 15-18, an April Welcome centerpiece, will draw prospective students from all over the country.

"They get to feel as if they are University students during



their visit and enjoy the warm and friendly environment," Tarbouni said.

For the entire month, the undergraduate admissions office will extend its hours for prospective students and their parents. In addition to its regular 8:30 a.m. to 5 p.m. weekday hours, the office will be open from 9 a.m. to 2 p.m. Saturdays and Sundays. Student Financial Services will have drop-in hours from 1 to 4 p.m. Mondays and Fridays and from 1 to 3 p.m. Tuesdays, Wednesdays and Thursdays.

Additional campus tours will be added to the schedule for April Welcome. Tours will leave from the undergraduate admissions office in South Brookings Hall at 10 and 11 a.m. and 2:30 p.m. Mondays and Fridays; at 11 a.m. and 2:30 p.m. Tuesdays, Wednesdays and Thursdays; at 10:30 a.m. and noon on Saturdays and at noon on Sundays.

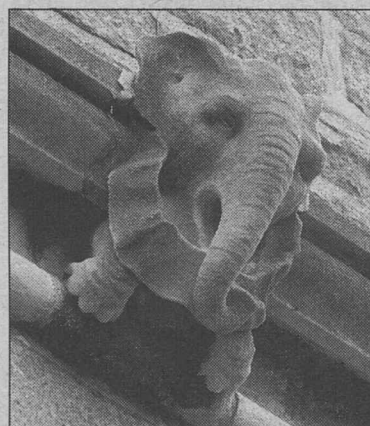
News Briefs

Participants sought

Women with husbands who have either heart or memory problems are invited to take part in a School of Medicine study into ways that family health decisions are made. The husbands must be 65 or older. Researchers will determine what factors influence wives' decisions to consult a health care provider, treat symptoms themselves, seek advice from relatives or friends or ignore symptoms altogether, in order to strengthen health education efforts. Participants will be interviewed twice in their homes or other convenient locations and will complete daily health checklists for two weeks. They will be paid \$20 and receive a copy of the Caregiver's Resource Guide. For more information, call 286-1657.

Recovered

Noel Gardner of Palmwoods, Queensland, Australia, was walking along the northern coast of Fraser Island with his son in January when he discovered a mysterious white object, a rectangular box with an attached round frame. It bore stickers from NASA and



Campus quiz: Elephants never forget. Do you remember where this one is?

Washington University ... and it turned out to be the missing NASA payload from Steve Fossett's Solo Spirit balloon, which plunged into the Coral Sea east of Australia during a fierce thunderstorm last August. The University was mission control for Fossett's attempt to circle the globe solo by balloon. The payload is being shipped to NASA's Jet Propulsion Laboratory in California where it will be examined, according to Raymond E. Arvidson, Ph.D., the James S. McDonnell Distinguished University Professor and chair of the Department of Earth and Planetary Sciences in Arts and

Sciences, who worked with Fossett's team on the mission. "We do know for sure there is no extra data on it, beyond what has been gathered," Arvidson noted.

Lost? Found

University Police have recovered a Gateway 2000 destination keyboard and two hand-held Shure brand microphones that had been stolen from the University. The owners of these items may pick them up from Detective Steve Hazel, 935-5536, at police headquarters.

Did you know?

Washington University faculty are engaged in research, curriculum development and teacher training programs for K-12 education to improve teaching, to screen at-risk children and to implement better math, science and technology instruction.

Answer: Our perceptive pachyderm watches over the McMillan courtyard from its east wall.

"News Briefs" includes short items on a wide range of subjects, including information about resources, benefits and opportunities available to faculty and staff. Readers are invited to submit briefs, which will be used as space permits, to Betsy Rogers, Campus Box 1070, or by e-mail, betsy_rogers@aismail.wustl.edu.

Record

Washington University community news

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Medical School Update

In the genes Apple-shaped profiles linked to insulin resistance

By BARBRA RODRIGUEZ

About one-third of Americans carry enough extra weight to threaten their health. Yet some people who choose healthy lifestyles still seem to struggle to keep the pounds off. And those with apple-shaped profiles are considered at special risk. For example, extra fat around the waist is estimated to increase a person's risk of diabetes and heart disease.

In the case of diabetes and weight gain, a recent study by School of Medicine researchers suggests that some people could have the genetic cards stacked against them. Investigators from the Division of Biostatistics evaluated data from 512 sedentary family members. They found that people who have genes making them prone to accumulate a certain type of belly fat also are prone to develop resistance to the hormone insulin, which sets the stage for type II diabetes.

"We tried to find out if there's a common genetic factor that is shared among people who have a greater fat distribution at the abdomen and also have insulin resistance, and this appears to be the case," said Yuling Hong, M.D., Ph.D., assistant professor of biostatistics. Hong is lead author of a paper on the results in a recent issue of the *Journal of Clinical Endocrinology and Metabolism*.

What's inside the apple matters

Why focus on one form of abdominal fat? All owners of an apple-shaped profile aren't alike, it appears. Layers of fat that cushion the viscera, or internal organs, in the abdomen might be more detrimental to health than outer layers of belly fat.

"There is good evidence that this deeper, visceral fat is associated more with diabetes," said Dabeeru C. Rao, Ph.D., director of the Division of Biostatistics, professor of biostatistics and

principal investigator for the study.

The researchers explored the link between diabetes and the thickness of this inner fat layer in Caucasian families who already were participating in a larger genetics study. As part of the Heritage Family Study, four field centers evaluated the volunteers: Indiana University in Bloomington, Texas A&M University in College Station, the University of Minnesota in Minneapolis and Laval University in Quebec. The Heritage Family Study is funded by the National Heart, Lung, and Blood Institute.

For the smaller diabetes study, at least three children and both parents from each of the 98 families were evaluated. Scientists at the four field centers measured their abdominal visceral fat using computed tomography, an X-ray imaging technique that distinguishes between the two types of belly fat. They determined insulin resistance by measuring the fasting blood level of the hormone. Then Hong and his colleagues created family trees to determine which family members shared the two traits and how closely they shared them.

A gene that plays a role in a disease will pass from the parent with the gene to some of the couple's children. By evaluating how often parents and children share a trait such as insulin resistance, researchers estimate the likelihood that genes underlie the trait.

The pattern of insulin resistance in the families suggested that 21 percent of the factors determining the likelihood of developing diabetes are inherited. And 40 percent of the likelihood for developing abdominal visceral fat appeared to result from genes.



Hong: Finds genetic factor



Rao: Deeper fat linked to diabetes

These findings agree with previous studies. But what about susceptibility to abdominal fat and diabetes? To determine this likelihood, the investigators looked at how often a parent with insulin resistance had a child with extra belly fat and vice versa. If the same genetic factors favor two traits, one trait should appear more often than by chance in children of a parent bearing the other. In the study, 6 percent of the genetic factors associated with insulin resistance also influenced the accumulation of abdominal visceral fat.

This means that about one-third of the genetic factors that predispose people to insulin resistance also make them prone to accumulate the inner layer of

belly fat.

The findings also are likely to apply to people of normal weight, Hong said, although the genes involved have yet to be identified. For now, the researchers hope the results will lead others to use direct measurements of abdominal visceral fat in future studies. The study also suggests that people who are overweight should periodically be checked for diabetes.

What's next?

As part of the Heritage Family Study, colleagues of the Washington University researchers have begun hunting for the disease-related genes in the 98 families. They are using genetic tags that help indicate the position of disease-related genes along the length of human chromosomes the way street names help locate someone's house.

Once genes linked to the traits are identified, tests could be developed to indicate a person's risk for becoming diabetic and

gaining abdominal fat. Designing such tests would be easiest if a few or even one gene was responsible for the link.

Finding disease-related genes also may help clarify whether genes underlie the appearance of four traits in some families. High blood pressure, obesity, insulin resistance and high levels of fats in the blood called triglycerides all occur in some families, a condition that has been labeled syndrome x or metabolic syndrome. Insulin resistance and obesity are considered cornerstones of the syndrome.

The researchers noted that people shouldn't ignore the important influence of diet and exercise on health, however. Non-genetic factors appear to account for more than 50 percent of the likelihood of developing insulin resistance or abdominal visceral fat, for example. In the diabetes study, the influence of lifestyle was factored in by evaluating families whose parents had lived together an average of 20 years and had older children.

Neil will use new form of MRI to study neonatal brain injury

Jeffrey J. Neil, M.D., Ph.D., assistant professor of neurology and of pediatrics, has received a four-year \$1.1 million grant from the National Institute of Neurological Disorders and Stroke. Neil is studying brain injury in newborns.

Neonatal brain injury, which leads to cerebral palsy, affects approximately 5,000 newborns every year in the United States.

Contrary to popular belief, only about 10 percent to 20 percent of such injuries occur during birth. "We would like to know what proportion of brain injury occurs prior to birth, during

"We would like to know what proportion of brain injury occurs prior to birth, during delivery or shortly after."

JEFFREY J. NEIL

delivery or shortly after," Neil said. "Once you understand that, you can begin to develop more logical prevention strategies."

Neil will study premature infants in the neonatal intensive care unit at St. Louis Children's Hospital. Such babies are at high risk for cerebral palsy. To view the infants' brains, the researchers will use a new form of magnetic resonance imaging (MRI) called diffusion tensor imaging. This sensitive technique distinguishes

between the normal brain and injured tissue by measuring the movement of brain water. This movement slows in injured parts of the brain.

In a previous study, Neil determined how to assess the age of an injury from diffusion MRI images. "If the brain is injured before birth, we will see evidence of an old injury," he said. "If the injury occurred during delivery, a fresh injury will be evident."

The researchers also will obtain images just before the babies leave the intensive care unit to detect brain injuries that occurred after birth. They later will check

on the infants' progress to determine how various types of brain injury affect subsequent development.

Neil's principal collaborators in this project are C. Robert Almli, Ph.D., associate professor of occupational therapy, neurology and psychology; Thomas E. Conturo, M.D., Ph.D., assistant professor of radiology and of physics; and Robert C. McKinstry III, M.D., Ph.D., instructor in radiology.



Matching up for residencies Becky Hunt (center), her fiancé, Ryan Sippel, and Kristin Ratliff get caught up in the excitement of Match Day, held March 18 in the Eric P. Newman Education Center. Each year on Match Day, senior medical students in the United States learn which residency programs they will enter. Hunt will conduct her general surgery residency at the University of Wisconsin in Madison. Ratliff will train in obstetrics/gynecology at University Hospital in Cincinnati.

Zheng to study protein important for cell growth and development of certain diseases

Assistant Professor of Pathology Steven Zheng, Ph.D., has received a five-year \$1.1 million grant from the National Cancer Institute. Zheng will study a protein that regulates cell division and can be involved in cancer, autoimmunity and other diseases.

The protein, Tor, senses nutrient levels to determine whether a cell should remain active or enter a dormant state. If enough nutrients are available, Tor gives the go-ahead for the cell's genetic material to be copied and for other changes that result in two daughter cells. But if Tor doesn't work properly, cell division can occur without its permission, leading to rampant proliferation.

Zheng will help clarify how Tor influences cell division and determine its roles in muscle cells and other cells that normally don't divide. By mapping out the

protein's normal roles, he hopes to uncover potential side effects of treating patients with drugs that inhibit Tor. One such drug under investigation is rapamycin, an antibiotic expected to be a more effective disease fighter than many current drugs. "Once we've learned how Tor works in cells," Zheng said, "we can re-evaluate it as a drug target and have greater insight into the clinical potential of rapamycin."

He will study a form of Tor called Tor1p that is found in budding yeast but is similar to Tor proteins in other organisms. By mutating various regions of the Tor1p gene, he will determine which parts of the protein are important for various functions. These experiments might reveal alterations in the structure of Tor that favor abnormal behaviors such as

overproliferation of cells in cancer and autoimmune disease.

In addition, Zheng hopes to determine how Tor1p prods cells to undergo one of two forms of cell division: asexual reproduction (mitosis) and sexual reproduction (meiosis). Yeast cells will undergo mitosis if enough nutrients are available. But they will divide by meiosis when placed in a growth medium that lacks certain nutrients.

Zheng also will investigate how Tor1p interacts with proteins such as Nhx1p that carry out its commands. The Nhx1p protein is found on vesicles in yeast called vacuoles and on equivalent structures in mammalian cells known as lysosomes. The vesicles recycle fats and other materials during cell dormancy to obtain components essential for survival. The Nhx1p protein makes the vesicles acidic to favor this process.

University Events

Paris • Child Welfare • Jubilee Singers • Divine Pity • Tartuffe

"University Events" lists a portion of the activities taking place at Washington University through April 3. For a full listing of medical rounds and conferences, see the School of Medicine's website at medschool.wustl.edu/events/. For an expanded Hilltop Campus calendar, go to www.wustl.edu/thisweek/thisweek.html.

Exhibitions

"International Abstraction: Art of the 1950s From the Washington University Collection." Through March 28. Steinberg Hall Aud. 935-4523.

"African-American Artists and Writers in Europe (1919-1939)." Open March 26 through mid-April. Special Collections Exhibit, fifth floor Olin Library. 935-5495.

"Paris: Portraits of the City." Through April 4. Eads Hall. 863-4028.

Films

Thursday, March 25

6 p.m. Chinese Film Series. "The Troubleshooters." Room 219 Ridgley Hall. 935-5177.

Friday, March 26

7 and 9:30 p.m. Filmboard Feature Series. "Contact." (Also March 27, same times, and March 28, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "The Princess Bride." (Also March 27, same time, and March 28, 9:30 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Thursday, April 1

6 p.m. Japanese Film Series. "Ran" (English subtitles). Room 219 Ridgley Hall. 935-5177.

Friday, April 2

7 and 9:30 p.m. Filmboard Feature Series. "The Godfather I." (Also April 3, same times, and April 4, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "Goodfellas." (Also April 3, same time, and April 4, 9:30 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Lectures

Thursday, March 25

Noon. Genetics seminar. "Molecular Genetic Analysis of Vascular Structure and Development: A Human Genetic Approach." Douglas Marchent, genetics dept., Duke U. Medical Center. Room 823 Genetics Library. 362-7072.

1:10 p.m. Social Work Spring Lecture Series. "New Perspectives in Child Welfare." Carol W. Williams, assoc. commissioner, Children's Bureau of the U.S. Department of Health and Human Services. Brown Hall Lounge. 935-4909.

4 p.m. Earth and planetary sciences colloquium. "Geochemical Habitats For



City of Light "Paris: Portraits of the City," an exhibition of 20 black and white photographs by senior Amy Schnitzer, will be on view through April 4 in the Eads Hall entrance. Schnitzer, a French major with minors in photography and business, spent the 1997-98 academic year in Paris as part of the University's Internship in European Business Program.

Microorganisms: Examples From Shallow Marine Hot Springs." Jan Amend, postdoctoral research assoc. Room 112 Wilson Hall. 935-5603.

4:30 p.m. Mathematics colloquium. Daniel Girela, U. of Malaga, Spain. Room 199 Cupples I Hall (tea 4 p.m., Room 200 Cupples I Hall). 935-6760.

5 p.m. School of Art printmaking slide lecture. Lise Drost, art and art history dept., U. of Miami. Steinberg Hall Aud. 935-6571 or 935-7497.

6:30 p.m. School of Architecture's Monday Night Lecture Series. Architect Michael Pyatok lectures on his recent work. Steinberg Hall Aud. (reception 6 p.m., Givens Hall). 935-6200.

7 p.m. WU Libraries and The Nancy Spirtas Kranzberg Illustrated Book Studio slide lecture. "A Survey of the Janus Press: 1950 - Present." Claire Van Vliet, book artist. Steinberg Hall Aud. 935-5495. See story on page 5.

Friday, March 26

9:15 a.m. Pediatric Grand Rounds. "When Leukocyte Trafficking Gets Jammed: Lessons Learned From Bacteria, Cows and Man." Thomas G. Diacovo, asst. prof. of pediatrics, division of newborn medicine. Clopton Aud., 4950 Children's Place. 454-6006.

12:30 p.m. African and Afro-American and European studies conference. "African-American Artists and Intellectuals in Europe Between the Wars." Women's Bldg. Formal Lounge. 935-5690.

4 p.m. Music lecture. "Jubilee Singers and the Negro Spiritual: The Birth of an American Musical Tradition." Sandy Graham, visiting prof. in ethnomusicology. Room 102 Music Classroom Bldg. 935-5574.

7 p.m. American Indian Awareness Week lecture. "Disarming Colonialism: A First Nations Social Workers' Practice Manifesto." Michael Yellow Bird, U. of Kansas. Brown Hall Lounge. 935-4510.

Monday, March 29

Noon-1 p.m. Molecular biology and pharmacology seminar. "Endoderm-Mesoderm Interactions During Cardiac Development." Dave Wilson, assoc. prof. of pediatrics. The Philip Needleman Library, Room 3907 South Bldg. 362-2725.

2:15 p.m. Condensed matter sciences seminar. "A Walk Down Megabar Lane." Arthur L. Ruoff, materials science and engineering dept., Coriell U. Room 241 Compton Hall (coffee 2 p.m.). 935-6276.

4 p.m. Biology seminar. "Dissecting Fission Yeast Centromere and Telomere Structure and Function Through Silencing." Robin Allshire, Western General Hosp., Edinburgh, Scotland. Room 162 McDonnell Hall (Hilltop Campus). 935-6860.

4 p.m. Immunology Research Seminar Series. "Epstein-Barr Virus: Role of Viral Genome Methylation Avoiding Detection by the Host Immune System." Samuel Speck, assoc. prof., of pathology. Eric P. Newman Education Center. 362-2763.

6:30 p.m. School of Architecture's Monday Night Lecture Series. Architect Juhani Pallasmaa lectures on his recent work. Steinberg Hall Aud. 935-6200.

Tuesday, March 30

Noon. Molecular Microbiology and Microbial Pathogenesis Seminar Series. "RNA Virus Mutation, Conservation and Antiviral Drug Targeting." Henry Huang, assoc. prof. of molecular microbiology. Cori Aud., 4565 McKinley Ave. 362-3692.

4 p.m. Earth and planetary sciences colloquium. "The Geomicrobiology of Mineral Weathering: Weathering of the Bemboka Granite, New South Wales, Australia." Susan Welch, postdoctoral research assoc., U. of Wis. Room 162 McDonnell Hall (Hilltop Campus). 935-5603.

5 p.m. Art history lecture. "Politics/Counter-Politics: Picasso and Gris on the Eve of War." Patricia Leighton, prof. of art history. Duke U. Room 116 Givens Hall. 935-5270.

Wednesday, March 31

11 a.m. Assembly Series/Chimes lecture. "Dreamer: Constructing Martin Luther King's Legacy in Fiction." Charles Johnson, Pollock Professor in Humanities, U. of Wash. Graham Chapel. 935-5285. See story on page 6.

Noon. Orthopedic surgery seminar. "Factors Contributing to Skir Breakdown and/or Wound Healing on the Neuropathic Foot." Michael J. Mueller, asst. prof. of physical therapy. Albert Key Library. 747-2803.

3:45 p.m. Physics colloquium. "Three Cautionary Tales From Classical Electrodynamics." David Griffiths, prof. of physics, Reed College, Portland, Ore. Room 204 Crow Hall (coffee 3:30 p.m., Room 241 Compton Hall). 935-6276.

4:30 p.m. Art history lecture. "The Rhythms of Duration: Bergson and the Art of Matisse." Mark Antliff, assoc. prof. of art history. Duke U. Room 116 Givens Hall. 935-5270.

Thursday, April 1

Noon. Genetics seminar. "Mass Spectrometry Methods in Proteomics: A Tutorial." Michael L. Gross, prof. of chemistry. Room 823 Genetics Library, McDonnell Medical Sciences Bldg. 362-7072.

4 p.m. Assembly Series lecture. "Divine Pity from Paganism to Christianity." David Konstan, John Rowe Workman Distinguished Professor of Classics and the Humanistic Tradition. Brown U. Graham Chapel. 935-5285. See story on page 6.

4 p.m. Earth and planetary sciences colloquium. "Geoecology, Ethics and Wilderness: How are They Connected and What is Their Meaning for Education?" Paul Pinet, prof. of geology, Colgate U., Hamilton, N.Y. Room 112 Wilson Hall. 935-5603.

4:15 p.m. Philosophy lecture. "The Myth of Egoism." Christine Korsgaard, prof. of philosophy, Harvard U. Room 100 Busch Hall. 935-6670.

7:30 p.m. School of Architecture's Monday Night Lecture Series. Forum for Contemporary Art lecture. Architect Carlos Ferrater lectures on his recent work. Steinberg Hall Aud. 935-6200.

Friday, April 2

Noon. Cell biology and physiology seminar. "Proteinases: Fine Line Between Host

Defense and Tissue Destruction." Steven D. Shapiro, assoc. prof. of medicine. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

4 p.m. Music lecture. "A Critical Look at Carmen as Other." Gina Pellegrino, doctoral musicology student. Room 102 Music Classroom Bldg. 935-4841.

4:30 p.m. School of Art sculpture slide lecture. Paul Sebben, sculptor, Kansas City Art Institute. Steinberg Hall Aud. 935-8405 or 935-7497.

Music

Friday, March 26

8 p.m. WU Mosaic Whispers concert. A cappella concert with special guests the Pikers, the Greenleaves, the Amateurs, the Brown U. Bear Necessities and the XTension Chords. (Also March 27, 8 p.m.) Cost: \$6; \$4 for students. Graham Chapel. 935-1749.

Tuesday, March 30

8:30 p.m. Music dept. student recital. Music of Bach, Chopin, Brahms and Bartók. Graham Chapel. 935-4841.

Performances

Friday, March 26

8 p.m. OVATIONS! Series performance. The Acting Company performs "Tartuffe." Mark Ax, dir. Cost: \$23. Edison Theatre. 935-6543.

Saturday, March 27

8 p.m. OVATIONS! Series performance. The Acting Company performs "Twelfth Night." Penny Metropoulos, dir. Cost: \$23. Edison Theatre. 935-6543.

Sunday, March 28

8 p.m. Music dept. concert. "Fête at Versailles." Kingsbury Ensemble, Maryse Carlin, dir., Kenneth Pierce and Susan Liu, dancers. Cost: \$12; \$6 for students. Holmes Lounge, Ridgley Hall. 935-6543.

Worship

Wednesday, March 31

5:30 p.m. Passover Observances. Through April 7. Five first-night seders on campus at Hillel House, seders-to-go, home hospitality with local families and lunches. For information and to register, call 726-6177.

Thursday, April 1

7 p.m. Catholic Student Center Holy Thursday Mass. Catholic Student Center, 6352 Forsyth Blvd. 725-3358.

Friday, April 2

7 p.m. Catholic Student Center Good Friday service. Catholic Student Center, 6352 Forsyth Blvd. 725-3358.

Saturday, April 3

7 p.m. Catholic Student Center Easter Vigil Mass. Graham Chapel. 725-3358.



Sarah Lindsay reading at writers center for National Poetry Month

By LIAM OTTEN

A short pop quiz: name the most famous character in ancient Greek poetry. Answer: Odysseus (half credit if you named Achilles). Fourteenth century Italian poetry? Easy, Dante. All right then, who is the most recognizable protagonist in 20th century verse? That, without a doubt, is the ever-present self-referential "I."

"I've certainly written my share of terrible autobiographical poems," joked poet Sarah Lindsay, who will read for the International Writers Center in Arts and Sciences at 8 p.m. April 6 at the West Campus Conference Center during National Poetry Month. But these days Lindsay's work tends to be

more externally focused. "I guess I just got tired of that 'I,'" she said. "Maybe I'm fooling myself — everything has some connection to autobiography — but at least I can try to hide it gracefully. The point of a poem should never be simply that something happened to you."

The protagonists in Lindsay's latest collection, "Primate Behavior" (1997), which was a finalist for the National Book Award, cut a wide swath through history, folk legend, archaeology and biology. Cave men, dinosaurs, elephants and an unfortunate 19th century explorer — these are just a few of the characters whose adventures and misadventures are chronicled in Lindsay's idiosyncratic narratives.

And yet, for all the breadth of her imaginative terrain, Lindsay's poems remain profoundly personal. Works such as "Capt. Robert Falcon Scott Returns to London" or "Legend of the Woolly Mammoth," for example, might begin from the viewpoint of their ostensible subjects but quickly segue into thoughts and observations that resonate unmistakably with our own time.

"It would be less interesting to me to try to retell a story the way it's already been told than to steal the powerful parts," Lindsay said.



Poetry Readings

Who Sarah Lindsay

Where West Campus Conference Center

When 8 p.m. April 6

Admission \$5; free for students and senior citizens

"Very often the parts I want to steal coincide with something else I've been thinking about."

Lindsay also draws on her experience as a classical musician (she plays cello with an informal group called the Quartet mit Schlag in Greensboro, N.C., where she currently lives). The poem cycle "Circus Merk," for example, was

inspired in part by the cello études of composer Joseph Merk (1795-1852), which reminded Lindsay of circus music.

Steven Meyer, Ph.D., director of the Creative Writing Program and an associate professor of English, both in Arts and Sciences, will introduce Lindsay. A booksigning will follow; copies of Lindsay's work will be available for purchase.

The program is underwritten in part by the Arts and Education Council, the Department of English, the Lannan Foundation, the Missouri Arts Council, the Regional Arts Commission and Mary and Max Wisgerhof. Tickets are \$5 and free for students and seniors. A&E cardholders receive a two-for-one discount. For more information, call 935-5576.

Author Padgett Powell here for writing program reading

Fiction writer Padgett Powell will read from his works for the Creative Writing Program Reading Series at 8 p.m. Thursday, March 25. The reading is free and open to the public and takes place in Hurst Lounge, Room 201 Duncker Hall.

"We're thrilled to have Padgett here," said Steven Meyer, Ph.D., director of the writing program. "He's a writer of startling tragicomic genius."

Powell is the author of five novels — "Edisto" (1984), "A Woman Named Drown" (1987), "Typical" (1992), "Edisto Revisited" (1996) and "Aliens of Affection" (1998). His stories have been published in numerous anthologies, including "The Best American Short Stories — 1990" as well as in such magazines as The New Yorker, Esquire, Grand Street, Harper's and The Paris Review. Powell's non-fiction articles have been published in The New Yorker, The New York Times, USA Today, Gentleman's Quarterly, Southern Living and

others. His work has been widely translated. Powell has received numerous awards, including The Paris Review's John Train Humor Prize, a Pushcart Prize, a Fulbright

Fiction Reading

Who Author Padgett Powell

Where Room 201 Duncker Hall

When 8 p.m. Thursday, March 25

Admission Free and open to the public

Lectureship, the American Academy Prix de Rome and a Whiting Foundation Writers' Award. "Edisto" was nominated for the American Book Award and was named by Time magazine on its best-of-the-year fiction list.

The reading is sponsored by the Creative Writing Program in Arts and Sciences. For more information, call 935-7130.

Sports

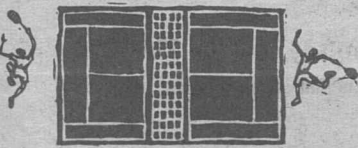
Thursday, March 25

3 p.m. Men's tennis team vs. Cornell College. Tao Tennis Center. 935-5220.

Friday, March 26

3 p.m. Men's and women's track and field: WU Mini Meet. Bushyhead Track and Francis Field. 935-5220.

3:30 p.m. Women's tennis team vs. DePauw U. Tao Tennis Center. 935-5220.



Saturday, March 27

9 a.m. Men's tennis team vs. U. of Wisconsin-Eau Claire. (Also Millikin U., same time). Dwight Davis Tennis Center, Forest Park. 935-5220.

9:30 a.m. Women's tennis team vs. Wisconsin-Eau Claire. Tao Tennis Center. 935-5220.

10:45 a.m. Men's baseball team vs. Benedictine U. Kelly Field. 935-5220.

1:15 p.m. Men's baseball team vs. Milwaukee School of Engineering. Kelly Field. 935-5220.

1:30 p.m. Women's tennis team vs. Principia College. Tao Tennis Center. 935-5220.

Sunday, March 28

10:45 a.m. Men's baseball team vs. Milwaukee School of Engineering. Kelly Field. 935-5220.

1:15 p.m. Men's baseball team vs. Illinois Wesleyan U. Kelly Field. 935-5220.

Tuesday, March 30

3 p.m. Men's tennis team vs. Illinois Wesleyan U. Tao Tennis Center. 935-5220.

Thursday, April 1

1:30 p.m. Men's baseball team vs. St. Mary's U. (Minn.). Kelly Field. 935-5220.

...And more

Thursday, March 25

9:30 a.m. American Indian Awareness Week event. T-Shirt, hat and bake sale. Kitchen area, Goldfarb Hall. 935-4510.

7:30 p.m. Feminist reading group meeting. Discussion of articles "Success and Its Failures" and "The Professor of Parody." Room 113 Cohen Lounge, Busch Hall. 935-5102.

8 p.m. Writing Program Reading Series. Author Padgett Powell reads from his work. Room 201 Hurst Lounge, Duncker Hall. 935-7130.

Saturday, March 27

9 a.m. WU annual Thurlene 5K road race/walk.

To benefit Children's Home Society. Cost: \$10 pre-registered entrants; \$12 for late and race-day entrants. Forest Park. To register, call 726-0689.

1 p.m. American Indian Awareness Week Pow Wow. Ninth Annual WU Pow Wow. American Indian dancing, singing, drumming, arts, crafts and food. Field House. 935-4510.

Tuesday, March 30

3:30 p.m. Center for the Study of American Business debate. Murray L. Weidenbaum, Edward Mallinckrodt Distinguished University Professor, and Carol Tucker Foreman, Consumer Federation of America. Bryan Cave Moot Courtroom, Anheuser-Busch Hall. 935-5630.

6:30 p.m. Writing Center workshop. "Writing a Research Paper II: Drafting the Paper." Room 109 Eads Hall. 935-4981.

Wednesday, March 31

4 p.m. Career Center workshop. "How to Find an Internship." Nancy Sutherland, asst. dir. for experiential learning. Room 152 Umrath Hall Lounge. 935-5930.

Baseball squad wins five of six

The baseball team won five of its six games at home last week to push its season record to 15-6. The Bears opened the week with a 17-8 victory over Greenville College. Freshman Mark Glover hit his second homer of the season and the Bears broke open the game with a seven-run fifth inning. After falling to Wartburg College by an 11-2 count, Washington U. rebounded to sweep Eureka College (2-0) and Illinois College (9-6). Freshman Graham McBride drove in his first career run in the fifth inning. In the victory over Illinois College, the Bears homered four times, including an inside-the-park homer by junior Mark Bruggeman. On Sunday, March 21, the Bears finished the weekend by sweeping Eureka (8-3) and Illinois College (21-14) again. In the Eureka victory, senior Kevin Kuntz struck out seven to improve to a team-best 5-0 on the season.

Women's tennis posts three wins

The women's tennis team continued to roll in 1999,



Guided by the light Aspiring robo-creators John Fahrner from Urbana, Ill., and Melissa Egner from Burlington, Wis., both freshmen, build dumb robots called "Roller-Bots" with three-inch paint rollers, transistors, binder clips, rubber bands and a handful of other parts at an Engineers Week event March 16 in the Gargoyle. The build-and-take project was one of several slated for the 1999 EN-Week. Paul L. Discher, technical services supervisor in the Department of Electrical Engineering, developed the Roller-Bot, which is activated by a flashlight and moves in a 10-foot radius.

Book artist Claire Van Vliet here March 25

By LIAM OTTEN

Washington University's Visual Arts and Design Center will present a talk by renowned book artist Claire Van Vliet at 7 p.m. Thursday, March 25. Van Vliet, the founder and proprietor of the Janus Press, will speak on "A Survey of the Janus Press: 1950-Present." The lecture is free and open to the public and takes place in Steinberg Hall Auditorium.

"Van Vliet's work shows an amazing range of styles," said Anne Posega, head of Olin Library Special Collections, noting that more than 30 of Van Vliet's works are included in the University's Book Arts Collection. "She is really one of the foremost book artists in the country."

Born in Ottawa, Canada, in 1933, Van Vliet has lived in the United States since 1947, earning a bachelor's degree from San Diego State University in 1952

Book Arts Lecture

Who Book artist Claire Van Vliet

Where Steinberg Hall Auditorium

When 7 p.m. Thursday, March 25

Admission Free and open to the public

and a master's from the Claremont Graduate School in California in 1954. She served printing apprenticeships at a newspaper in Oberursel/Taunus, Germany, from 1955 to 1957, and at the Pickering Press in Maple Shade, N.J., from 1958 to 1959.

Van Vliet founded the Janus Press in 1955, later moving it to permanent quarters in Newark, Vt., in 1966. Over the years, Janus has published some 100 books, pamphlets and broadsides — many of which she has designed, illustrated, type-set, printed and bound. In the 1960s, she illustrated

several texts by Franz Kafka; in the 1970s, she was a pioneer in the use of colored paper pulps for book illustration. Most recently, she has developed a variety of distinctly non-traditional, non-adhesive book designs.

Van Vliet's works have been the subject of more than 40 solo exhibitions in the United States, Canada and Scandinavia. In 1989, she received the John D. and Catherine T. MacArthur Foundation Prize Fellowship Award. She has been an artist-in-residence and lecturer throughout the United States, Canada, Great Britain and New Zealand.

The Visual Arts and Design Center is a collaborative venture among the School of Art, the School of Architecture, the Gallery of Art, the Department of Art History and Archaeology in Arts and Sciences and the Art and Art History Library.

For more information, call 935-4670.

Sports Section



Senior Kevin Kuntz raised his record to 5-0 with a win over Eureka.

adding three more wins to up its record to 8-1 on the year. The Bears topped Lindenwood University and Millsaps College, both 9-0, and posted a 7-2 win over Rhodes College. The 7-2 win over Rhodes marks the only victory of the Bears' eight this season in which the opposition scored a point. Senior Priya Vajani led the way, posting four wins to run her record on the season to

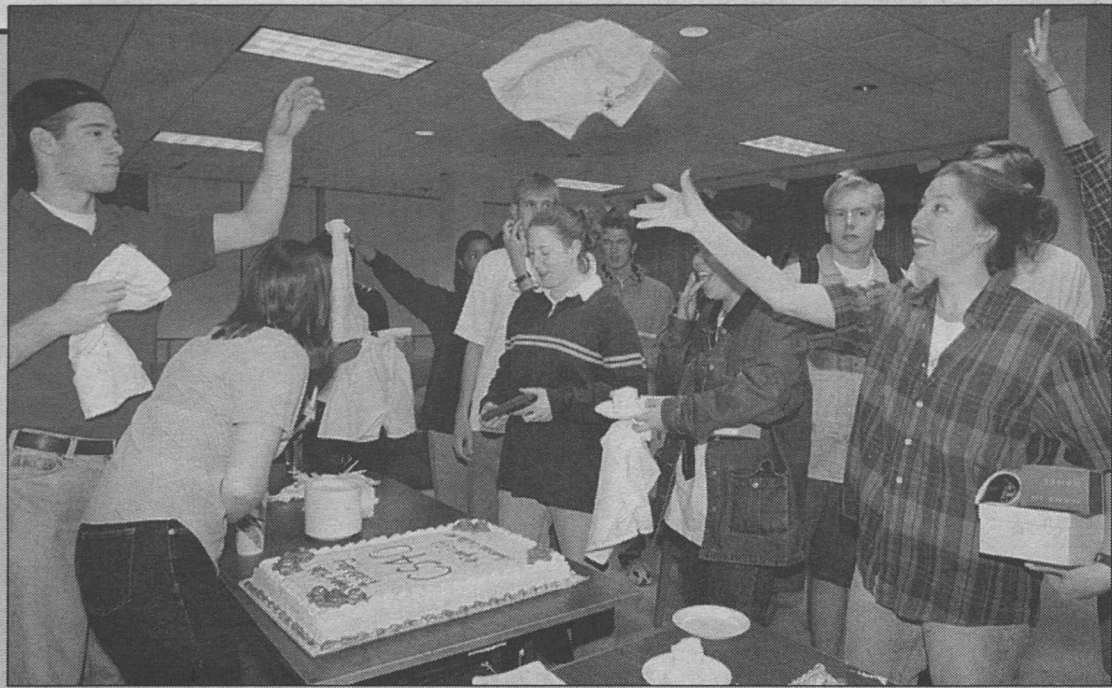
10-0. She picked up singles wins against Lindenwood and Rhodes and teamed with Nandini Chaturvedula to win twice at No. 1 doubles. Chaturvedula also added two singles wins on the week, picking up one against Lindenwood at No. 1 singles and one at No. 2 singles in the victory over Millsaps. Robin Behrstock was 3-0 in singles play while Katie Abrams was a two-time

winner in at No. 1 singles.

Keli Leaf and Kat Copiozo won twice at No. 2 doubles, and Laura Marx and Shilpa Reddy won both their matches at No. 3 doubles. The Bears host the WU Invitational this weekend at the Tao Tennis Center.

Men's tennis improves to 10-1

The men's tennis team won three more matches over the weekend to improve its season record to 10-1. The Bears knocked off Rockhurst College (5-4) before topping NCAA Division II Northwest Missouri State University (5-1) in Saturday's nightcap. Washington U. completed the weekend sweep with a 9-0 victory over another Division II school—the University of Missouri-Rolla. Freshman Mike Feldman remained perfect on the season at 9-0 with a pair of wins. Feldman, playing at number-three singles, won matches versus Rockhurst (6-4, 6-0 over Eric Rand) and University of Missouri-Rolla (6-1, 6-3 over Matt Balven). Feldman has won his last three matches at number-three singles after winning his first six matches of the year at the number-four slot.



Forty on the 40 Cake and commemorative boxer shorts (midair, above) served as party favors as the Congress of the South 40, the student organization for the University's residential community, celebrated its 40th anniversary the week of March 15. Mike Johnson (left), a sophomore from Phoenix, Ariz., distributed the boxers at the birthday bash, held March 16 in Friedman Lounge in Wohl Center. The observance also included the annual "Battle of the Bands" competition Saturday, March 20, and a faculty-staff mixer Wednesday, March 17.

MARTY BURKIS

Classicist, author to give Assembly Series lectures

The University's Assembly Series will bring two speakers to campus next week — a noted African-American author and a distinguished classicist.

Novelist Charles Johnson will deliver the annual Chimes Lecture, titled "Dreamer: Constructing Martin Luther King's Legacy in Fiction," at 11 a.m. Wednesday, March 31, in Graham Chapel.

Johnson also will discuss writing techniques from 2 to 3 p.m. in Hurst Lounge, Duncker Hall. Johnson is the Pollock Professor in Humanities at the University of Washington and an award-winning author.

David Konstan, professor of



Johnson Prize-winning author



Konstan Speaking on "divine pity"

Assembly Series

Who Novelist Charles Johnson, Classicist David Konstan

Where Graham Chapel

When 11 a.m. Wednesday, March 31; 4 p.m. Thursday, April 1

Admission Free and open to the public

classics at Brown University, will deliver an Assembly Series address as part of the annual John and Penelope Biggs Residency in the Classics. The lecture, "Divine Pity From Paganism to Christianity" will start at 4 p.m. Thursday, April 1, in Graham Chapel. Konstan also will conduct a colloquium titled "Pity

in a Court of Law" at 4:15 p.m. Monday, March 29, in the Alumni House living room.

Konstan is the John Rowe Workman Distinguished Professor of Classics and the Humanistic Tradition at Brown.

For more information or call 935-5285.

Danforth

Scholars exemplify leadership and service

— from page 1

engineering and systems science and mathematics. The co-president of the Society of Women Engineers, she planned and implemented Women in Engineering Day, an outreach program for high school girls interested in science. She also directs an engineering seminar for 160 students.

• **Alan Harzman** is a second-year student in medicine. At Vanderbilt University, he was active in Habitat for Humanity and went on three alternative spring break trips. At Washington University, he helps oversee the Saturday Neighborhood Health Center, a student-run free clinic, and is co-coordinator of Medical Spanish, a program teaching Spanish vocabulary and cultural skills applicable to medical practice.

• **Leif Hauser** is a graduate student in architecture. Active in leadership roles in high school and at Truman State University in Kirksville, Mo., he currently is balancing the demands of the curriculum with an assistantship to the school's shop manager and life as a newlywed.

• **Katharine Parsons** is a fifth-year doctoral student in philoso-

phy in Arts and Sciences. Through her studies, she has discovered a love of teaching, which she shares on an adjunct basis both at University College and Webster University. She also is involved in support networks for women and minority groups.

• **Stephen Sanders** is a first-year student in law. A religious education graduate from Southwest Baptist University with a master's degree in divinity from Midwestern Baptist Theological Seminary in Kansas City, he has taught computer science at Webster University for six years. The father of two sons, he also teaches Sunday School.

• **Scott Saperston** is a master's in business administration student. A varsity standout in squash and hockey while at Trinity College in Hartford, Conn., he has coached youth hockey programs. He is involved in numerous business school activities, including the Olin Student Media Contact Group and the Olin Marketing Association.

• **Shiv Taylor** is a sophomore, majoring in biology in Arts and Sciences. Aiming for a career in medicine, he is a licensed Emergency Medical Technician. He's also involved on campus with the Lock and Chain honorary, in Sigma Phi Epsilon fraternity and as a peer adviser.

• **Ortav Yehudai** is a sophomore, double-majoring in international business and German. Long active in leadership

roles, he has been involved in a freshman community service group, gives special tours for the Office of Admissions, serves on various committees and recently completed the Chicago Marathon.

"I am so pleased that we have been able to assemble such an outstanding group of students to inaugurate this important new program," said Chancellor Mark S. Wrighton. "These students, with their potential to become the leaders of the future, are wonderful symbols of the leadership that the Danforths gave to Washington University for so many years."

"Programs such as the Danforth Scholars Program are key to our University's ability to attract top-notch faculty, staff and students," Wrighton said. "I am grateful to all the friends of the University who chose to honor the Danforths by financially supporting this new endeavor."

The 14 honorees come from each of the University's eight schools and were nominated by faculty members. In addition to receiving a stipend, the honorees will have the opportunity to engage in activities that engender a sense of community among the group. The first cohort also will be integral to the upcoming selection process that, henceforth, will choose scholars from incoming undergraduate and graduate-level students.

"These students are leaders among their peers, respected for their convictions and courage, admired for their maturity and integrity," said Sharon Stahl, associate dean in the College of Arts and Sciences and director of the Danforth Scholars Program. "We seek students who set high standards of excellence for themselves, those who will continue to inspire others with their dedication to community and academic life."

China

MBA students go global with work abroad

— from page 1

with foreign business leaders, researching their projects and applying lessons they learned in the classroom to the real world.

"Students have the opportunity actually to act as consultants in foreign countries," said Coon.

What's more, the students work on challenging projects with powerhouse companies. Among them:

• For Johnson & Johnson, students looked at how pending health care reform in China might affect multinational companies. Could these companies weather price caps and other proposals for pharmaceutical reform?

• For Emerson Motor Division, students looked at the Asian market, comparing growth rates for European vs. American washing machines. Their goal: to help the company decide if it should invest in the Chinese market.

• Students in Brazil looked at the impact privatizing the telecommunications industry would have on such companies as Motorola and Sprint.

• Also in Brazil, students teamed up with Anheuser-Busch to look at the effect the economic crisis would have on that company's market share.

"It was fun but it wasn't a vacation. It was nonstop work," said Kelly Gates, the student leader

for the Asia group, who is pursuing both an MBA and a master's in East Asian Studies.

The trips allow students to learn what no classroom could teach them. For example, Gates said her team returned with a better understanding of just how difficult it is to conduct business in China.

"Our trip confirmed everything we'd heard about the web of bureaucracy," she said. "Trying to navigate the red tape can be overwhelming."

Once there, the students learned from U.S. business executives that while China's massive population of 1.2 billion people sounds like a temptation no company would want to pass up, the reality is only 10 percent have the means or access to purchase most American goods.

At the same time, the group returned with a deeper appreciation for the differences between Asian countries and cities.

"Tokyo is not Shanghai," said Gates, who had spent a great deal of time in Asia before the trip. "Either way our group came home saying they really hope to work abroad."

Richard Hatzfeld, student leader of the Brazil group, said they had anticipated a great deal of trouble getting in the door of these companies. While they had laid the groundwork for their projects ahead of time, they also had learned that business Brazil-style is not a fast-paced endeavor. As it happened, they had no trouble getting in the door. But, Hatzfeld said, there were other difficulties. First, they visited immediately following Brazil's Carnival, one of the country's biggest holidays.

"Lots of people were still out of town," he said.

What's more, they had completely underestimated the impact Brazil's economic crisis was having on companies.

"People were extremely stressed out over that," said Hatzfeld.

For Coon, the ultimate goal of the trip is to groom tomorrow's global managers. But, he added, not in the typical American fashion.

"Traditionally, Americans have done business abroad from up high on a pedestal," he said. "That's not what I teach. I show our students that the best way to do business is to make your counterparts feel comfortable — know their way of doing business. It's definitely a shift in thinking. But it leaves them well prepared to work abroad."

Employment

Use the World Wide Web to obtain complete job descriptions. Go to cf6000.wustl.edu/hr/home (Hilltop) or medicine.wustl.edu/wumshr (Medical).

Hilltop Campus

Information regarding positions may be obtained in the Office of Human Resources, Room 130, West Campus. If you are not a WU staff member, call 935-9836. Staff members call 935-5906.

Director, Arts and Sciences Annual Fund/ Director of Development, Olin Library 990120

Public Service Coordinator (part time) 990152

Associate Director, Annual Giving Programs 990156

Earth and Planetary Sciences Library Assistant 990158

Director of Executive Education Programs 990159

Associate Dean and Director, Weston Career Resources Center 990160

Administrative Secretary (part time) 990162

LAN Engineer 990167

Information Technology Manager 990171

Residential College Director 990172

Department Secretary 990173

Administrative Assistant 990175

Administrative Secretary (part time) 990177

Senior Shelving Assistant 990185

Publications Editor/Writer 990187

Administrative Coordinator 990188

Assistant Director of Development, School of Business 990189

Department Secretary 990190

Retirement Benefits Manager 990191

Coordinator, Experiential Learning Program 990192

Data Manager and Analyst 990193

Data Manager and Analyst 990194

Japanese Catalog Librarian/Subject Librarian 990197

Program Director 990201

Billing Service Representative 990204

Admissions Coordinator and Technical Assistant 990206

Admissions Counselor 990207

Assistant Dean and Academic Coordinator 990210

Accounting Clerk 990213

SIS Research and Program Analyst 990215

Administrative Assistant 990218

Classroom Manager 990219

Residential College Director 990221

Residential College Director 990222

Receptionist 990223

Graphic Designer 990224

Associate Director, Computing Center Operations 990228

Medical Campus

This is a partial list of positions at the School of Medicine.

Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110, or call 362-7196.

Certified Coder 990400

Programmer/Analyst 981699

Reimbursement Supervisor 990939

Clinical Nurse Coordinator 991074

Medical Secretary III 991166

Campus Watch

The following incidents were reported to University Police from **March 15-21**. Readers with information that could assist in investigating these incidents are urged to call **935-5555**. This release is provided as a public service to promote safety awareness and is available on the University Police Website at rescomp.wustl.edu/~wupd.

March 19

2:21 p.m. — A student reported that someone stole a bicycle, valued at \$700, from a locked room at Myers Residence Hall. An investigation revealed that entry was gained through an unsecured patio door.

March 21

2:12 a.m. — A student was arrested for assault after an altercation with a security guard at Fraternity No. 3. The incident will be referred to the Greek

coordinator and the judicial administrator.

4:06 a.m. — University Police responded to a report of someone breaking chairs on the south side of Eliot Residence Hall. Upon arrival, police found several broken wooden chairs and a light pole that had been torn from its base. No witnesses or suspects were located.

University Police also responded to three additional vandalism reports, three theft reports, two auto accidents, one additional assault report and one attempted theft.

Notables

Of note

William M. Kelley, a doctoral student in the laboratory of **Stephen E. Petersen**, Ph.D., in the Departments of Neurology and Neurological Surgery and Radiology, was the predoctoral recipient of the 1999 James L. O'Leary Prize for Research in Neuroscience at Washington University. His project was titled "Frontal Contributions to Human Memory Formation."

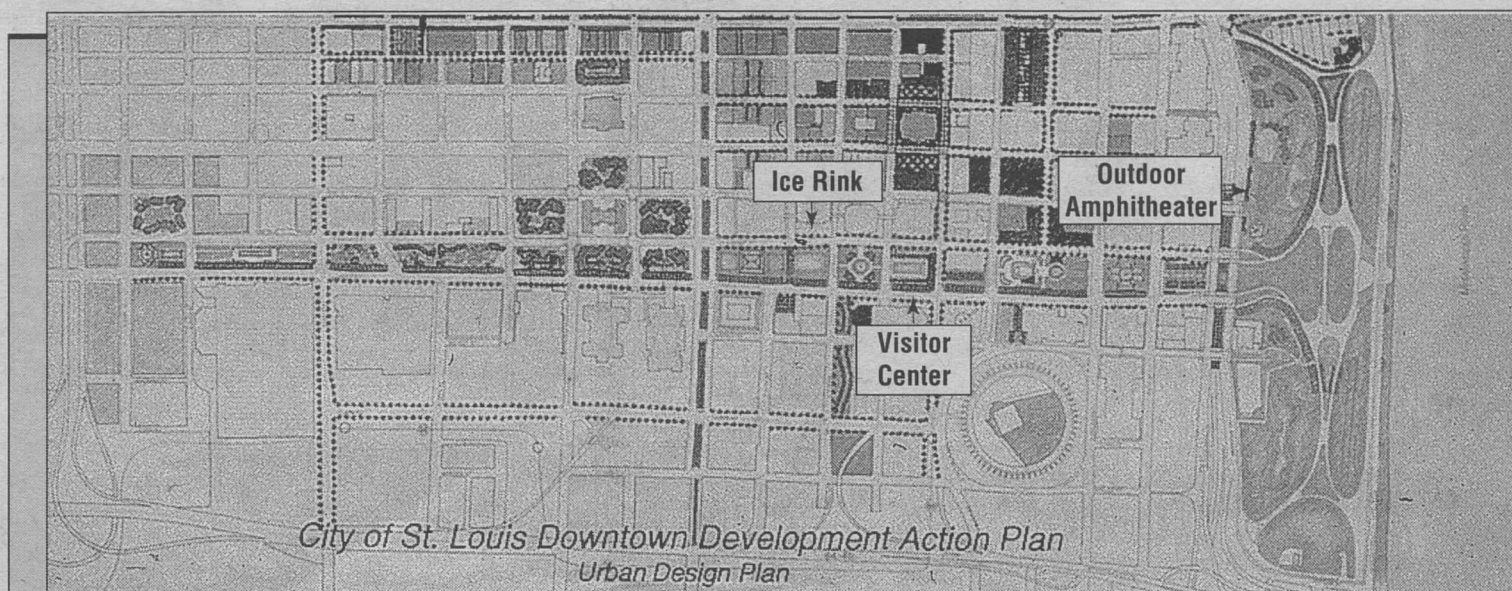
John C. Sun, M.D., was the postdoctoral recipient of the O'Leary prize. His study, titled "Origin of Vestibular Dysfunction in Usher Syndrome Type 1B/Shaker-1 Mice," was carried out in the laboratory of **Barbara A. Bohne**, Ph.D., in the Department of Otolaryngology.

James L. O'Leary, M.D., Ph.D., a faculty member at the School of Medicine from 1928 to 1975 and head of the Department of Neurology from 1963 to 1970, was an outstanding neuroanatomist and neurophysiologist who played a major role in establishing neuroscience and clinical neurology at the University.

Speaking of

Raymond E. Arvidson, Ph.D., the James S. McDonnell Distinguished University Professor, chair of the Department of Earth and Planetary Sciences, and a fellow of the McDonnell Center for the Space Sciences, all in Arts and Sciences, recently presented a talk on the Mars 2001 Lander Mission at the 30th Lunar and Planetary Science Conference in Houston.

Thomas J. Bernatowicz, Ph.D., professor of physics and a McDonnell Center fellow, discussed "New Kinds of Massive Star Condensates in a Presolar Graphite from Murchison" at the conference. Nine other McDonnell Center members also presented talks at the conference.



Renewing St. Louis Downtown Now's plans for the Gateway Mall extending west from the Arch are unfolding, according to **John Hoal**, associate professor of architecture and director of the Master of Architecture and Urban Design program. Hoal is spearheading an interdisciplinary team of design and development professionals working with the \$1.1 billion initiative to revitalize downtown St. Louis. Currently, Hoal's team is creating conceptual designs that would expand the mall's park space and landscaping and add an ice rink, amphitheater and visitor center.

In addition, Arvidson and others in his research group presented posters on Mars rover field tests and the archiving and release of data from Mars Surveyor Program missions. ...

Members of the School of Law faculty recently gave presentations at the Association of American Law Schools meeting in New Orleans.

Merton C. Bernstein, LL.B., the Walter D. Coles Professor of Law Emeritus, spoke on the "Aging Workforce"; **Peter A. Joy**, J.D., professor of law, on "Environmental Law Clinics: Theory, Practice and Politics"; **Leila Sadat Wexler**, J.D., LL.M., D.E.A., professor of law, on "A Permanent International Criminal Court"; and **Michael M. Greenfield**, J.D., the Walter D. Coles Professor of Law, on "Almost Everything You Need to Know About Revised Article 9."

Robert Gibson, previously director of development for the law school and now senior director of development for Arts

and Sciences, chaired the session on Institutional Advancement, titled "Professionalism and Development: Beyond the Tin Cup." ...

Kenneth Chilton, distinguished senior fellow at the center for the Study of American Business, recently spoke to the Roundtable on Environmental Health Science, Research and Medicine at the National Academy of Sciences in Washington, D.C. His remarks were titled "Questions from the End User of Environmental Health Research." The talk was based on his article with Stephen Huebner, which appeared in the winter 1998-99 edition of *Issues in Science and Technology*.

Guidelines for submitting copy:

Send your full name, complete title(s), department(s), phone number and highest-earned degree(s), along with a description of your noteworthy activity, to Notables, c/o David Moessner, Campus Box 1070, or e-mail David_Moessner@aismail.wustl.edu. Items must not exceed 75 words. For more information, call 935-5293.

Hilltop faculty members receive tenure

The following Hilltop Campus faculty members were appointed with tenure, promoted with tenure or granted tenure, effective July 1, 1999, following a meeting of the Board of Trustees March 5, 1999.

Appointment with tenure

Roger N. Beachy, Ph.D., to professor of biology in Arts and Sciences

Joel Seligman, J.D., as professor and dean of the School of Law

Granting of tenure

Stephen P. Leet, as associate professor of architecture

Promotion with tenure

Philip V. Bayly, Ph.D., to associate professor of mechanical engineering

Kathleen Clark, J.D., to professor of law

Mark J. Jakiela, Ph.D., to professor of mechanical engineering

Alan J. Lambert, Ph.D., to associate professor of psychology in Arts and Sciences

Erin S. Mackie, Ph.D., to associate professor of English in Arts and Sciences

Judi S. McLean Parks, Ph.D., to professor of organization behavior in the John M. Olin School of Business

J. Curtis McMillen, Ph.D., to associate professor of social work

Ingrid T. Monson, Ph.D., to associate professor of music in Arts and Sciences

David E. Pollio, Ph.D., to associate professor of social work

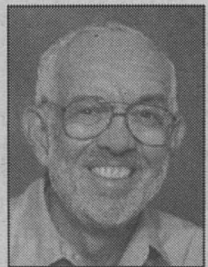
Eric J. Richards, Ph.D., to associate professor of biology in Arts and Sciences

Karen L. Wooley, Ph.D., to associate professor of chemistry in Arts and Sciences

News Analysis

News Analysis contains excerpts from the For Expert Comment service. The service, which provides timely faculty comments to media across the country, is distributed by the Office of University Communications.

Flight attendants' threat of disruption is a risky tactic, says labor expert



Neil Bernstein, LL.B., professor of law, has been closely following the flight attendants' dispute at

America West. An expert in labor law and the Railway Labor Act, which includes provisions covering the airline industry, Bernstein is also a member of the National Academy of Arbitrators and serves as a mediator and consultant on labor and employment matters. Additionally, Bernstein has served as a senior antitrust attorney for the Missouri attorney general and general counsel to the Missouri Division of Insurance.

The Association of Flight Attendants' threat to disrupt America West flights in the ongoing labor dispute over salaries is a risky maneuver, Bernstein says. With the end of the 30-day cooling-off period in the negotiation process, the AFA has threatened a work

action known as CHAOS — "Create Havoc Around Our System" — a move that hinges on a questionable court ruling dating back to the 1993 Alaska Airlines labor dispute, Bernstein says.

"Under CHAOS, the flight attendants pick a flight at random and announce at the last minute that they are on strike and will not board the airplane," Bernstein said. "The airline must then scramble to find a crew or face having to cancel the flight. Before permanent replacements can be found, the flight attendants make an unconditional offer to return, and thus avoid suffering the consequences of an ongoing strike. The move, if successful, could create a lot of uncertainty for the traveling public."

"However, CHAOS is actually much riskier than it would seem, because if the airline is able to find permanent replacements, the flight attendants involved are out of a job and must wait for a vacancy before they can go back to work," Bernstein continued. "The job action dates back to the 1993 case with Alaska Airlines, in which a district court judge in the Western District of Washington ruled that Alaska Airlines was wrong in firing its flight atten-

dants who committed CHAOS.

"In the America West dispute, the airline could simply fire the flight attendants anyway, and, if sued by the AFA, the airline could hope for a favorable ruling from another judge," Bernstein said. "The Railway Labor Act has never been fully litigated, and the judge's ruling in the Alaska Airlines case was highly questionable. There is a lot of gray area in the law, because under the National Labor Relations Act, such employees can be fired. In addition, an employer has the right to lock out union employees and temporarily replace them with non-union, certified workers."

In the Alaska Airlines dispute, the flight attendants had the advantage of surprise, since the airline was unaware of the CHAOS strategy before it happened. The TWA flight attendants' strike in the 1980s demonstrates an airline's ability to bring in replacement workers. "During the strike, TWA had a number of certified, non-union workers and waves of program graduates who were ready to step in," he said.

Campus Authors

Richard H. Popkin, Ph.D., professor emeritus of philosophy in Arts and Sciences

The Columbia History of Western Philosophy

(Columbia University Press, New York, N.Y., 1999)

Richard Popkin has assembled 63 leading scholars to forge a highly approachable, chronological account of the development of Western philosophical traditions. From Plato to Wittgenstein and from Aquinas to Heidegger, this volume provides lively, in-depth and up-to-date historical analysis of all the key figures, schools and movements of Western philosophy.

The Columbia History significantly broadens the scope of Western philosophy to reveal the influence of Middle Eastern thought, the vital contributions of Jewish and Islamic philosophers and the role of women within the tradition. Along with a wealth of new scholarship, recently discovered works in 17th- and 18th-century philosophy are considered, such as previously unpublished works by Locke that inspire a new assessment of the evolution of his ideas.

Popkin also emphasizes schools and developments that traditionally have been overlooked. Sections on Aristotle and Plato are followed by a detailed presentation on Hellenic philosophy and its influence on the modern developments of

materialism and scepticism. A chapter has been dedicated to Jewish and Muslim philosophical development during the Middle

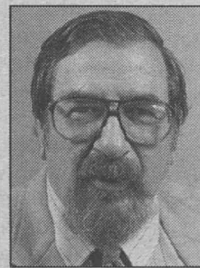
Ages, focusing on the critical role of figures such as Averroes and Moses Maimonides in introducing Christian thinkers to classical philosophy. Another chapter considers Renaissance philosophy and its seminal influence on the development of modern humanism

and science.

Turning to the modern era, contributors consider the importance of the Kabbalah to Spinoza, Leibniz and Newton and the popular philosophers like Moses Mendelssohn upon the work of Kant. This volume gives equal attention to both sides of the current rift in philosophy between continental and analytic schools, charting the development of each right up to the end of the 20th century.

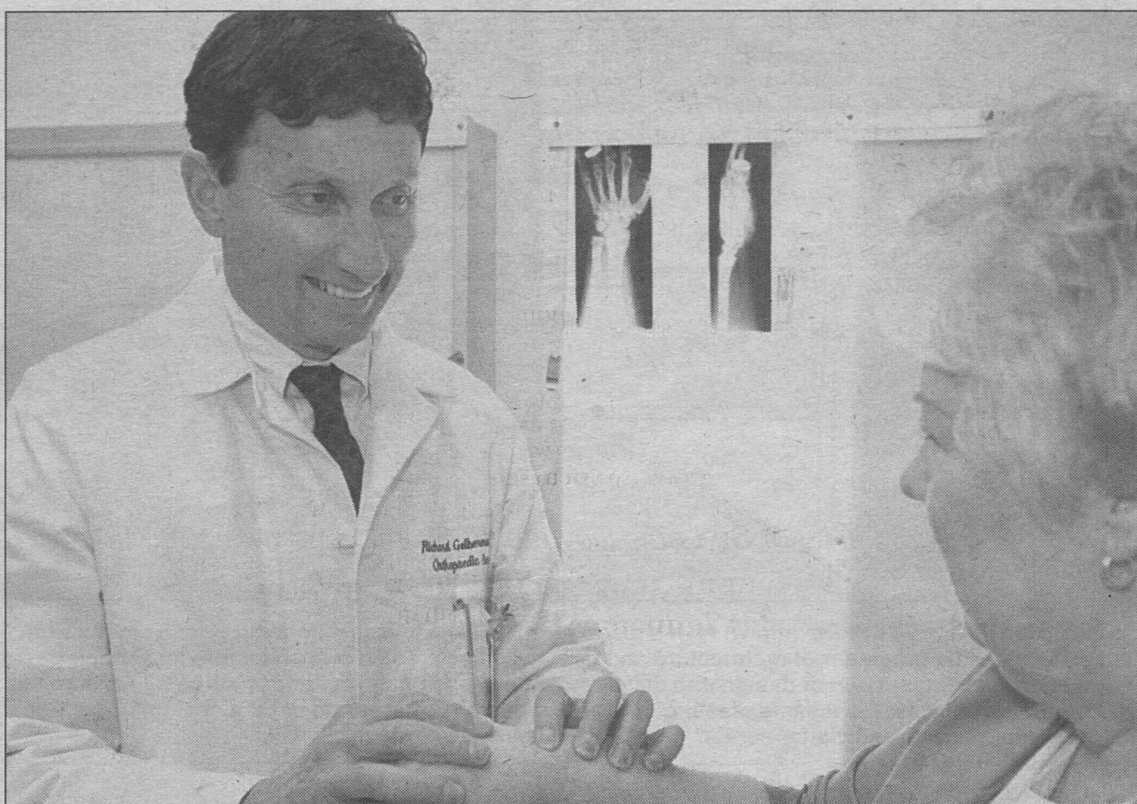
Each chapter includes an introductory essay, and Popkin provides notes that draw connections between the separate articles.

A recent release available at the Campus Bookstore in Mallinckrodt Center on the Hilltop Campus or at the Washington University Medical Bookstore in the Olin Residence Hall. For more information, call 935-5500 (Hilltop Campus) or 362-3240 (Medical Campus).



Popkin: Assembled 63 leading scholars

Washington People



Richard Gelberman, M.D., a specialist in hand surgery, has drawn renowned orthopaedic surgeons from across the country and Canada to Washington University.

Building a world leader in orthopaedics

Richard H. Gelberman, M.D., seeks 'pioneers' to make vision for department a reality

By JIM DRYDEN

On January 1, 1995, Richard H. Gelberman, M.D., came to St. Louis with a clear vision. Before his arrival, orthopaedics was a division in the Department of Surgery at Washington University School of Medicine. As the first head of the new Department of Orthopaedic Surgery, he hoped to build the fledgling department into a world leader.

"There were a number of good people here already, so we didn't start at 'ground zero,' but we had a lot to do," said Gelberman, the Fred C. Reynolds Professor and department head. "First, we focused the faculty on establishing a culture of excellent clinical care and excellent academic achievement. Then we went to every part of this country and Canada to recruit the best people — from Palo Alto to New York City and from Toronto to Florida."

In four years on the job, he's brought trauma specialists, spine surgeons, shoulder specialists and foot and ankle doctors to Washington University, building a team of surgeons designed to excel in all of the nine disciplines that fall under the rubric of orthopaedic surgery.

He was looking for the best surgeons available, but Gelberman also had to find people willing to make a commitment to a department with no real reputation. Individual faculty members had good reputations, as did the medical school and Barnes-Jewish Hospital, but the department itself was brand new. So, Gelberman sought out academic physicians who could share his vision of how a premier department should be built.

"We looked for certain personalities — pioneers really — those who shared this vision of achieving something really special," he explained.

One of the first to come on board was K. Daniel Riew, M.D., a specialist in cervical spine surgery recruited from the University Hospitals in Cleveland. He was quickly sold on Washington University but believed even more strongly in Gelberman's leadership.

"He not only has the vision, but he has the ability to carry it out," Riew explained. "He's also incredibly detail-oriented. He can 'cut to the chase' on just about any matter, and he has kept this department moving rapidly

toward success from the beginning, both by getting and keeping the right people and by using their skills in the right way."

Riew said one measure of the department's success under Gelberman is the number of faculty members who constantly are being recruited by other leading institutions. Even more impressive, Riew believes, is the fact that these orthopaedic surgeons are carefully considering and then turning down prime jobs elsewhere.

"When you have people turning down outstanding jobs at other places, pretty soon the word gets around that there must be something special going on at Washington U., and there is," Riew said. "It all starts with Dr. Gelberman's commitment to excellence."

Good sports

In building his team of orthopaedic surgeons, Gelberman has quickly connected with other teams in St. Louis. Physicians from the department are the team doctors for the St. Louis Rams, the St. Louis Blues and the St. Louis Cardinals. The department is the only group in the country that takes care of all the major professional sports teams in its city. A nice distinction, Gelberman admits, but he believes average patients are the biggest beneficiaries.

"As we devise improved methods for treating conditions such as ligament tears and improve rehabilitation following those injuries, we apply those methods to all of our patients, whether they're athletes or not," he said.

An occasional athlete himself, Gelberman personally has benefited from orthopaedic treatment. He has played tennis for many years, and like many others, he developed tennis elbow, a condition he frequently sees in his patients.

"I used a forearm strap and changed my swing," he recalled. "Often, if your elbow is bothering you, and you're playing tennis, the

pain has something to do with the swing. For me, it was the topspin forehand, but it's frequently the backhand. If you change your swing somewhat, that usually helps."

A thoughtful and soft-spoken man, Gelberman occasionally stops in the middle of a sentence, searching for just the right word, the proper way to address an issue. But when asked why he chose to be a doctor, he answers instantly.

"I liked being able to help people," Gelberman said. "Treating each patient and being able to help, there's nothing that compares with that on a personal level."

There were no doctors in his family, nor did he immediately pursue medicine in college. Gelberman earned a bachelor's degree in American history from the University of North Carolina in 1965. A year later, he began medical training at the University of Tennessee Medical School in Memphis. Only after medical school did he decide on orthopaedic surgery.

"When you have people turning down outstanding jobs at other places, pretty soon the word gets around that there must be something special going on at Washington U."

K. DANIEL RIEW

internship. When I took my first rotation, I liked it immediately. I liked the operations, the patients and the residents who ran the program. But mostly, I liked working in a specialty where you could help people and, in many cases, restore them to full, or very nearly full function."

During his residency at the University of Wisconsin, Gelberman gravitated to hand surgery. He was fascinated by the way the surgeons used a microscope, by the tiny instruments and suturing with material as fine as a human hair to reattach amputated parts of the hand.

"The hand is so intricate, with a combination of fine movements, multiple joints, and with so many requirements," he explained. "The hand must pinch, grasp and release. So, when a hand is injured,

we have to be extremely accurate in restoring or trying to restore function, or the patient can be left with severe impairments."

In 1976, he went to Duke University Medical Center to begin a fellowship in hand and microvascular surgery. J. Leonard Goldner, M.D., was the chair of orthopaedics at Duke when Gelberman arrived.

"Richard was always ready to work and to learn," Goldner recalled. "In fact, he tended to be one step ahead of everyone, never in an aggressive way. He was just very well prepared."

Goldner, the James B. Duke Professor Emeritus of Orthopaedic Surgery, always expected that one day Gelberman would chair a department, but Gelberman took his time, waiting for the right opportunity.

From Duke, he went to the West Coast, where he was the chief of hand and microvascular surgery at the University of California, San Diego. But after 10 years in that position, Gelberman left to continue his education. He went to Harvard for a fellowship in pediatric orthopaedics at Children's Hospital in Boston, and two years later he became chief of the hand surgery service at Massachusetts General Hospital.

Gelberman and colleagues have worked hard to build a department that ranks with the best, and the work has yielded impressive results. Orthopaedic surgery residents score in the 99th percentile on their exams. Several faculty members have become traveling fellows in recognition of their clinical and academic excellence. In February, Gelberman himself was elected vice president of the American Academy of Orthopaedic Surgeons and is in line to become president of the organization in two years.

'Enormous satisfaction'

"It brings me enormous satisfaction to see the faculty members of this department do so well," he said. "To see the accomplishments of the young people, clinically and in research, is one of the most satisfying things you can experience."

His family is another source of pride. The children are grown, and all live in St. Louis. Courtney, the oldest, is finishing her first year at the medical school; David is a senior on the Hilltop Campus; and Amanda is a recent graduate in social work.

"I love the fact that they've all chosen to live here, and I'm somewhat amazed that our daughter chose medicine," he said. "Sarah and I enjoy sharing this time in their lives. When they were younger, I thought it best to spend as much time with them as possible, so I would bring my work home just to be around them. But the problem with that is that there's never a line between work and home, and I'm afraid I gave them a view of medicine as a thing that never stops."

And he worries that some members of his faculty are facing similar problems.

"We have a lot of people that are running their engines at the 'red line,' and I'm concerned that if we don't find a balance on a personal level, it could be difficult to maintain the kind of effort we've put in so far," Gelberman said.

So, as the department continues to grow, he continues to recruit new faculty, operating on the notion that more hands will lighten the workload, but making sure those extra hands meet the extremely high standards set during the first four years of the department's existence.

Richard H. Gelberman M.D.

Born New York, N.Y.

Education University of North Carolina, B.A., 1965; University of Tennessee Medical School, M.D., 1969

University position Fred C. Reynolds Professor and head of the Department of Orthopaedic Surgery

Family Wife, Sarah Gelberman; children, Courtney, 26; David, 23; Amanda, 22

Hobbies Tennis, golf, skiing and hiking; volunteer work with various organizations in orthopaedics and hand surgery, including the American Academy of Orthopaedic Surgery, the American Board of Orthopaedic Surgery and the American Society for Surgery of the Hand