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New plant science center to tackle global hunger

Washington University and four other institutions have joined in an innovative partnership to develop a cutting-edge plant science center in St. Louis whose mission will be to lead the world in finding solutions to global hunger, disease and environmental degradation.

"As we stand on the brink of a new millennium," former President Jimmy Carter said at a July 31 ceremony announcing plans for the Donald Danforth Plant Science Center, "there is no greater challenge ahead than to feed the world's population and to ensure the health of our children and to accomplish that without further degradation of the earth that sustains us."

The center envisions the Midwest's agricultural heartland as a "bio belt," the Silicon Valley of emerging agriculture technologies needed to feed the world's growing population. Within a 500-mile radius of St. Louis lies the world's most fertile cropland, accounting for 75 percent of American farm production. Together with a planned small-business incubator, the Danforth Center will become the focal point for the region's growing cluster of biotech endeavors.

"The Danforth Center provides for the St. Louis region an opportunity for world leadership in an

area of science that is rich in potential applications," said Chancellor Mark S. Wrighton at the July 31 ceremony. "There is a large set of favorable outcomes for society stemming from advances in plant science, including dramatically enhanced crop production, high performance materials, nutraceuticals and medicines. Bringing to our region a large, excellent research effort in plant science will encourage young, imaginative people and great faculty to come here to pursue these benefits."

St. Louis' Danforth Foundation has pledged \$60 million to the new center in one of the largest gifts ever made to support scientific research on plants. Three other Missouri institutions — Missouri Botanical Garden, Monsanto Co. and the University of Missouri-Columbia — and the University of Illinois at Urbana-Champaign are partners with Washington University in the endeavor.

Roger N. Beachy, Ph.D., one of the world's foremost plant scientists, has been named center director, according to William H. Danforth, chairman of the center's board and of the University's Board of Trustees. Beachy, internationally known for his work on virus-resistant plants, has headed

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Art Museum's Burke named Desmond Lee Scholar here

Citing a desire to strengthen intellectual ties among St. Louis cultural institutions, Chancellor Mark S. Wrighton and Sam Fox, president of The Saint Louis Art Museum Board of Commissioners, announced July 20 that James D. Burke, Ph.D., will become the E. Desmond Lee Scholar in Residence and Senior Lecturer in the Department of Art

History and Archaeology in Arts and Sciences at Washington University. Burke is currently director of the art museum.

Burke will assume the appointment at the end of his term as museum director. He will become the museum's director emeritus once the current search for his successor is complete.

The appointment recognizes Burke's continuing commitment to the arts and honors E. Desmond Lee, who has contributed generously to both the museum and the University.

As a scholar in residence, Burke will teach at the graduate and/or undergraduate levels and assist the art history and archaeology department in crafting educa-

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Weekly production resumes Aug. 27

This is the final monthly summer issue for the Record. The Record will return to weekly publication with the next issue, dated Aug. 27.

Luce Professorship: crossing disciplines to study collective memory

Who "controls" history — and what are the implications when it's Disney or Oliver Stone? What should be remembered and why and how should we remember it? Where does journalism end and public relations begin?

These questions are just the opening volleys in a conversation that soon will envelop the far reaches of campus, from psychology to history to anthropology to architecture to philosophy to cultural studies to English to education to neuroscience.

The dialogue will be sparked by the incoming Henry R. Luce Professor in Collective and Individual Memory. In June, the

Henry Luce Foundation notified the University that it had been selected as one of two private institutions to receive the ultra-competitive grant, which will fund a six-year appointment. Also built in is the possibility of a three-year renewal. Oberlin (Ohio) College received the other 1998 Luce grant.

The Luce grant is the second

bestowed on Washington University. Douglass C. North, Ph.D., who subsequently received the Nobel Memorial Prize in Economic Sciences, came to the University in 1983 as the Henry R. Luce Professor of Law and Liberty.

A search committee has begun the process that should bring the new appointee to campus by the

1999-2000 academic year. By Luce directive, the position must be filled within two years of the grant notification.

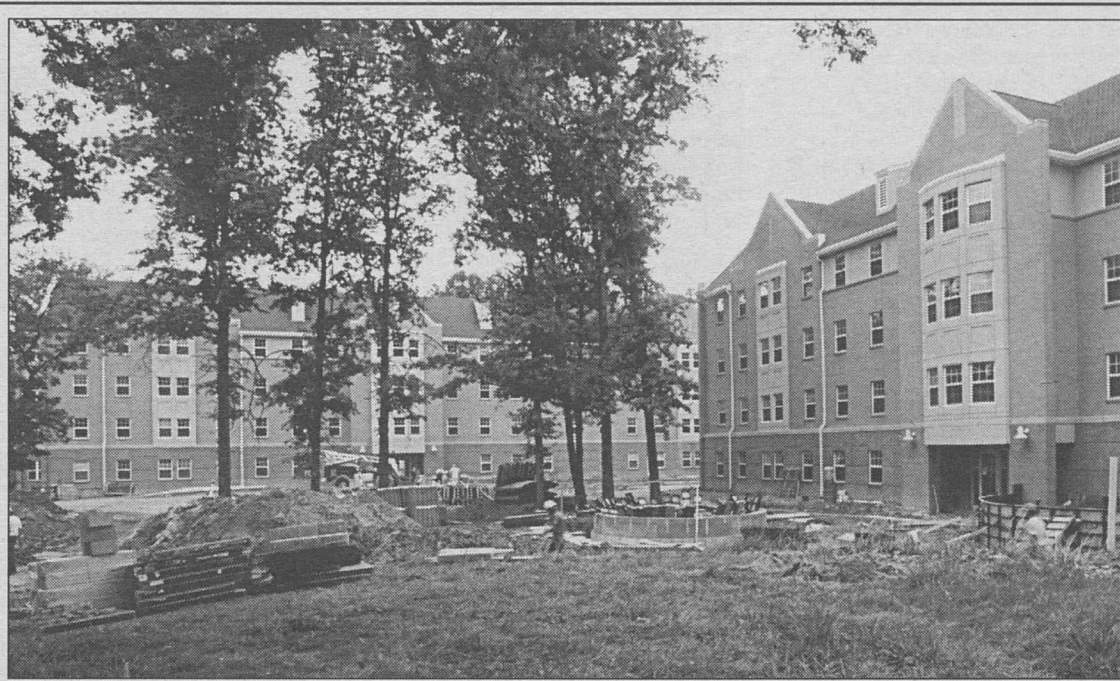
The Henry R. Luce Professorship Program was established in 1968 to encourage academic experimentation and creativity. It was inspired by one of Luce's favorite concepts, which the renowned publisher called "the

unity of truth," and is designed to support the integration of knowledge through innovative, interdisciplinary teaching and learning.

The study of collective and individual memory reflects precisely those ideals, said James V. Wertsch, Ph.D., professor and chair of the Department of Education in Arts and Sciences, who spearheaded the University's proposal. "We chose the topic because it doesn't constitute any field that's been fossilized yet. It's a topic you can't handle in any one discipline. It insists — not just invites — it insists that we get people together and talk."

"The trick to doing exciting

Continued on page 4



DAVID KILPER

Home sweet home

Three new residential houses — Danforth, Wheeler and Shepley — receive final touches in preparation for the arrival next week of a record-breaking freshman class of more than 1,450 students. Landscaping will be finished early next week. The class will be fully accommodated in the South 40, thanks to a successful effort that encouraged returning upper-class students to relocate to University-managed apartments near campus. In fact, fewer freshmen will be housed in triples than last year. Site preparations have begun on two additional residential houses scheduled to open to students in fall 1999 to replace Shepley Residence Hall, demolished this summer.

Rare legal commentaries given to law school

The School of Law has received an invaluable addition to its rare books collection — a first American edition of "Blackstone's Commentaries on the Law of England" — thanks to a generous gift from friends of the school.

The rare set of four books came to the school from Cynthia Love Roth, a member of the Eliot Society and the widow of Benjamin Roth, who was a St. Louis lawyer and a friend and supporter of the law school.

The volumes, which date back to 1771-72, are a reprint of the fourth Oxford edition. Originally published in England in 1769, Blackstone's Commentaries then were published in the United States by Robert Bell in Philadelphia.

"The volumes are a tremendous addition to our rare books collection both historically and for what they mean to the field of law," said Philip Berwick, J.D., associate dean for information resources at the law school.

"Blackstone was one of five jurists considered the authority on English common law — the law established through the courts, as

opposed to statutory law. Colonial law in America drew from the English common law and was affected directly by these commentaries."

The volumes offer extensive commentary on four topics: "the rights of persons, rights of things, private wrongs and public wrongs." The analysis includes a thorough discussion of numerous laws, including particular legal rules, how they arose and how the courts interpreted them.

Of particular historical interest, Berwick noted, is an advertisement included in the first volume in which the publisher pleaded his case for enough subscriptions to support publication of the book in the United States rather than having expensive copies shipped from England. The fourth volume includes a list of these early subscribers who made the first American edition possible.

"The 1,200 original subscribers were the cream of the crop not only in the legal community but the intellectual community in colonial America," Berwick observed.

"John Adams heads the list along with Richard Penn, lieutenant

governor of Pennsylvania, and William Franklin, governor of New Jersey," he continued. "All of the colonies are represented among this list. It was a book that sat upon the shelves of the elite and was drawn upon as a resource. Blackstone's Commentaries were considered the authoritative opinion on English common law."

William Blackstone, who lived from 1723 to 1780, was admitted to the bar in 1746, after receiving a law degree from Oxford University.

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Adventurer Steve Fossett is crossing the South Atlantic Ocean in his fourth attempt to fly solo around the world by balloon. See story on page 6.

On the inside

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A security code helps immune cells recognize invading microbes

Fighting infections 3

Victoria Fraser, M.D., understands the need for treating the whole person

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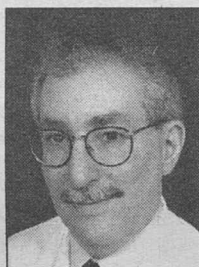
New food service firm has delectable treats in store for campus diners

Medical Update

Kass named interim head of Department of Ophthalmology

Michael A. Kass, M.D., has been named interim head of the Department of Ophthalmology and Visual Sciences. He currently is vice chairman and director of clinical services.

Kass is an international authority in the diagnosis, treatment and epidemiology of glaucoma. His research has focused on the long-term management of the disease and in the discovery and evaluation of novel glaucoma treatments. He is the national study chairman of the Ocular Hypertension Treatment Study, a 22-center clinical trial designed to determine whether reducing eye pressure with medication can prevent or delay glaucoma and to obtain information about risk factors for the disease. The National Eye Institute of the National Institutes of Health is sponsoring this study. Kass also is the

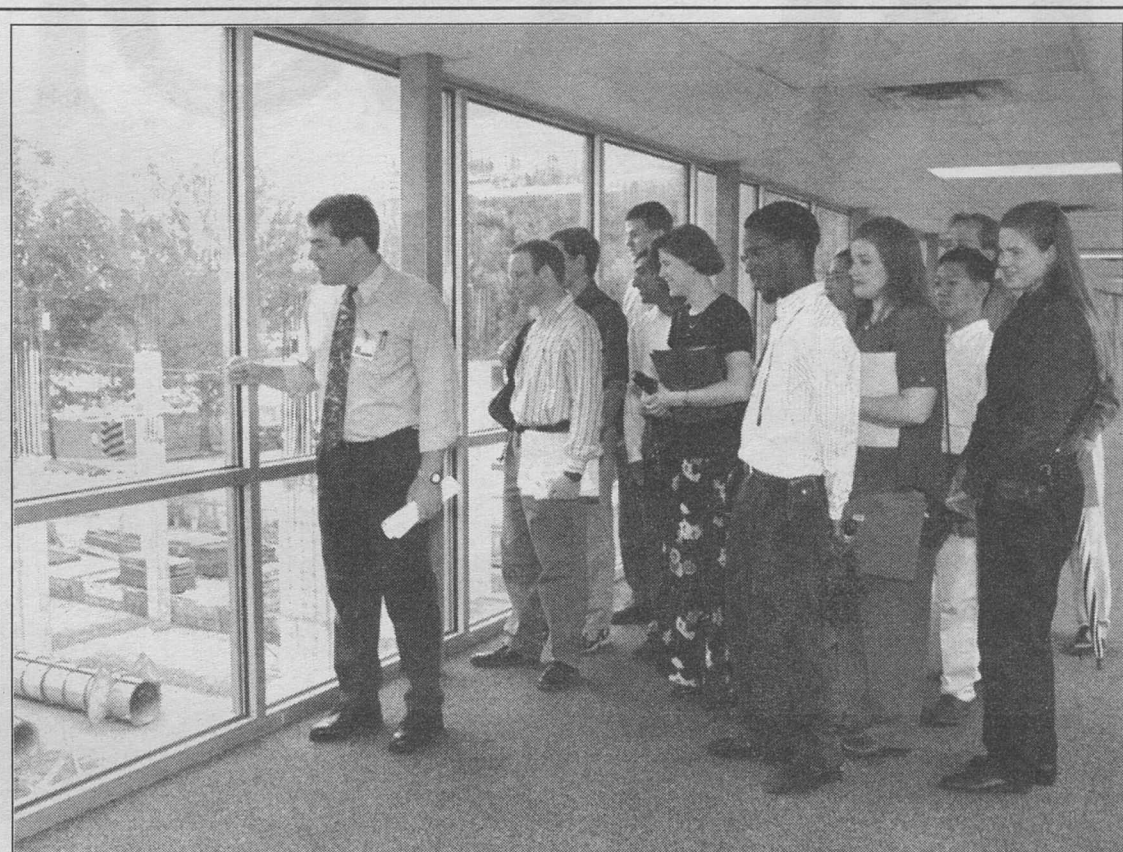


Michael A. Kass

author of more than 130 scientific publications.

Before joining Washington University, he was an assistant professor of ophthalmology and director of the glaucoma service at Yale University School of Medicine. Kass received a bachelor's degree in biology in 1963 and a medical degree in 1966, both from Northwestern University. He then completed his ophthalmology residency and a clinical fellowship in glaucoma at Washington University School of Medicine.

He is a member of the national honorary medical society Alpha Omega Alpha, the American Medical Association, the American Ophthalmological Society and the Missouri Medical Association. He also is a fellow of the American Academy of Ophthalmology and a diplomate of the American Board of Ophthalmology. Kass is consistently listed as a leading ophthalmologist in the book, "The Best Doctors in America," based on a survey of more than 7,000 U.S. physicians.



Washington University Medical Plunge

Overlooking the McDonnell Pediatric Research Building construction site, Bradley Evanoff, M.D., (left) the Sutter Chair of Industrial and Occupational Medicine, explains ways to control occupational health hazards, such as musculoskeletal injuries and dust inhalation, to first-year medical students. These students, on a tour of the School of Medicine and Barnes-Jewish Hospital, are participating in the first Washington University Medical Plunge, a four-day orientation in public health, community medicine and neighborhood-based nonprofit organizations.

Security code helps immune cells attack foe and spare self

A report in the July 24 issue of Science helps answer a question that has had scientists scratching their heads: How do immune cells tailor their responses to invading microbes while ignoring the body's own cells?

The part of the cell that detects harmful organisms has to punch in a code before the cell will go on the offensive, the researchers have found. Punching in just part of the code is as useless as entering the wrong security code into a lock.

"People have been trying to identify the steps that occur in the resting cell and during activation, but previous methods failed to reveal this, so no one could make heads or tails of it," said lead researcher Paul M. Allen, Ph.D., the Robert L. Kroc Professor of Pathology. "We tried a different approach, and an elegant solution to this question emerged."

One of Allen's graduate students, Ellen Neumeister Kersh, is the paper's lead author. Andrey S. Shaw, M.D., associate professor of

pathology, also took part in the study, which was funded by the National Institutes of Health.

The researchers studied helper T cells, a key component of the cellular immune system. When the supply of these cells dwindles, as in AIDS patients, the consequences are dire.

Helper T cells patrol the body, checking for harmful microbes. Other parts of the immune system blow an invader's cover by posting fragments of its proteins on its surface or on



Paul M. Allen

the surface of a cell where it's hiding out. Helper cells read these fragments — called antigens — like cops checking out a license plate. If the plate is foreign, they make the appropriate response. They may kill the microbe directly, help a killer T cell

dispose of a virus-infected cell or stimulate immune cells that manufacture antibodies.

Helper cells use receptors on their surface to read antigenic displays. But instead of getting close enough to get a really good look, T cell receptors interact only weakly with antigens. Therefore, scientists have wondered how the cells can respond so specifically to enormous numbers of antigens they've never seen before.

The T cell receptor is a large collection of proteins. Those that stick out from the cell read the antigen and prompt inner parts to activate the cell. Scientists have suspected for some time that the activating signal involves the addition of phosphate groups to two long receptor components called zeta chains. But how this occurs has not been known.

Each zeta chain protrudes into the cell and has six separate sites for phosphates. Moving away from the plasma membrane, the sites are numbered A1, A2, B1, B2, C1 and C2.

The researchers made six antibodies, each recognizing a different site — but only if a phosphate was in place. "This allowed us to see when each site was phosphorylated and under what conditions," Allen said.

They discovered that the zeta chain has two phosphate groups when a helper cell is at rest. The phosphates are attached to sites B1 and C2.

They also found that B2 can't acquire a phosphate unless A2 is phosphorylated. And C1 can't be phosphorylated until A1 is phosphorylated. Both A1 and A2 have to be phosphorylated before a phosphate group can be added to B2 and C1.

Therefore, the six phosphates are added in a specific order. The code that unlocks the door is: B1, C2, A1, A2, B2, C1.

A helper cell becomes fully active only when all six phosphates are in place. But the two resting-state phosphates may prime the pump, Allen said.

The study suggests that punching in the security code may buy time to properly proofread the antigen, preventing the helper cell from making a hasty decision about whom to attack. But if the antigen belongs to the host, the complete code wouldn't be entered, preventing T cells from attacking the body's own cells.

Why foreign antigens trigger full phosphorylation and self antigens don't is the next part of the puzzle to be solved.

The research has no immediate clinical applications. "But we

need to understand how these complex receptors work before we can intervene in autoimmune disease," Allen said. "This knowledge also might help us find ways to switch on helper cells when we want to boost the fight against infectious disease."

— Linda Sage

Sink safety prevents serious health risks

The Environmental Health and Safety Office wants to remind employees that pouring certain chemicals down the drain threatens the environment and can cause serious health effects.

Chemicals such as strong acids and solvents should never be poured down the drain. They should be collected as hazardous waste and sent through Environmental Health and Safety's chemical waste program. Even when diluted, these chemicals may generate toxic fumes, corrode sewer pipes, damage water treatment facilities and harm waste water workers or others, according to Bruce Backus, director of the Environmental Health and Safety Office. Drain contamination poses serious health risks if toxic fumes occur. In the Chromolloy Kidney Center in June, patients and employees were exposed to an unidentified

substance that caused nausea, diarrhea and headaches and might have been the result of a chemical reaction in the sewage system. An investigation is being conducted, Backus said.

If a chemical spill or odor occurs at the School of Medicine, contact Environmental Health and Safety at 362-6816 or Protective Services at 362-HELP (362-4357).

Regular safety training sessions are held monthly at the medical school. All clinical and laboratory employees are required to attend annual training on safety concerns and emergency procedures. The next training will be held Aug. 27 from 9 to 10:30 a.m. in Wohl Hospital Auditorium. To register for this training or to find out about the fall schedule, call 362-6816. Also, stickers reminding employees to "Think before you pour it down the sink" can be obtained by calling the above number.



Apply now for cancer research grants

Applications are being accepted for awards under the Washington University Institutional Research Grant from the American Cancer Society. Applications are due by Sept. 15.

The purpose of this program is to provide seed money for new projects initiated by junior faculty members. Proposals must have some direct or indirect relevance to clinical or laboratory aspects of cancer.

Only instructors and assistant professors are eligible. Individuals who previously have received these awards and individuals who have major grants from the National Institutes of Health, the National Science Foundation, the American Cancer Society or Veterans Affairs

also are not eligible. A letter from each department chair regarding the independence of the investigator is requested. Investigators planning to apply for an award are encouraged to call David B. Wilson, M.D., Ph.D., assistant professor of pediatrics and chairman of the American Cancer Society-Institutional Research Grant Committee, to discuss eligibility prior to submission.

Applications are expected to be reviewed by Oct. 15, and approved applicants will be awarded funds Nov. 1. Awards do not exceed \$15,000 for one year, and renewals are not permitted.

For application forms and guidelines, call Andrea Brown at 747-0359.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Victoria Fraser: taking care of the whole person

Fifteen years ago, a Haitian boy with an infected foot limped to a makeshift hospital near his village. A young medical resident named Victoria Fraser examined the foot and made the difficult decision to amputate it. "He was happy because we saved his life," Fraser said. "But it was such a tragedy that he lost a foot just because we couldn't give him three months' worth of antibiotics."

Victoria Fraser, M.D., now an associate professor of medicine in the Division of Infectious Diseases, has traveled to many other impoverished countries since then, but the people of Haiti stand out.

"Day after day, I'd see people dying of salmonella, typhoid, chicken pox, measles — things that almost never kill people in the United States," she said. "That really focused me on infectious diseases. I was impressed with the huge impact that preventable, treatable diseases were still having in large parts of the world."

She also saw that a single doctor and her medicine bag could hardly make a dent in the world's problems. She was giving shots and treating infections, but doctors who established the hospital, cleaned the area water supply and developed vaccination programs saved many more lives. Doctors who focused on public health and preventive medicine, she realized, could help the greatest number of people, whether in Haiti or St. Louis. She has seen many patients in her career, but she also has stuck to the idea that there's more to medicine than treating one person at a time.

Fraser has put her conviction to work as a teacher, an infection-control specialist and a researcher. So far, her proudest accomplishment is the Helena Hatch Special Care Center for Women, a program that provides comprehensive care to more than 200 area women with AIDS and HIV. The center, founded by Fraser in 1995 and named for a young St. Louis woman who died of AIDS, gives women the treatment and social support they need to fight their disease and raise their families.

"This is the one of the most meaningful things I've ever done," she said. "It exemplifies my belief that you need to take care of the whole person, not just give prescriptions."

Dealing with complex needs

In the early 1990s, St. Louis had become part of a national trend. HIV had begun infecting women at an alarming rate, and many of them passed the virus on to their babies.

"It was very difficult to take care of these women because they had such complex needs," Fraser said. "When a woman has three kids, a dying husband, no car and no food in the fridge, it's absurd to just give her a prescription and expect her to do well."

Fraser made a pitch to the federal government and soon received a Special Programs of National Significance grant. With funds in hand, Fraser established the Helena Hatch center, a unique program achieving unprecedented results.

The center gives women medicine, counseling, physical checkups, day care and transportation to and from the doctor. The clients get advice on everything from nutrition to applying for welfare benefits, and the staff becomes a compassionate but firm presence in their lives. If the center can be compared to a family, it's the type of family that checks up on anyone who doesn't show up for a meal. Patients are tracked down if they miss appointments and encouraged to take their medicine on time.

The staff's resolve grows even stronger when a woman becomes pregnant. Every client expecting a baby gets high-intensity prenatal care and HIV medications, including the drug AZT.

The results have been phenomenal. Before the program started, HIV struck 40 percent of babies born to infected mothers tracked by the School of Medicine. To date, however, not a single woman with HIV who had prenatal care at the Helena Hatch Center has had an

infected child. That's more than 50 healthy babies and counting.

"We never expected such outstanding results," Fraser said. In other programs around the country, regular doses of AZT reduced the HIV transmission rate to about 8 percent, she noted. "We can't explain our success, but it's clear that good prenatal care and HIV medications significantly improve the likelihood of having healthy babies."

Colleagues trace the center's achievements to the woman who started it all. "Dr. Fraser becomes completely committed to any project she starts, and that commitment rubs off on the people who work with her," said William G. Powderly, M.D., professor of medicine

why he's one of the biggest fans of Fraser's program. Before the center opened, he saw many dying mothers take care of their children but not themselves. "HIV is often a family disease," he said. "It's critical for us to reach and treat all of the members of the family. The Helena Hatch Center made that possible."

And, of course, Storch celebrates the current string of babies born free of the disease. Infected infants once were commonplace in his program; today, even his youngest patients are walking, talking and causing mischief.

Clinic days are hectic, but Fraser and Mundy find enough time to talk to the women and learn about their struggles. "Every time I leave the clinic, I thank God for what I have," Fraser said. "No matter how tired or crabby

or sick I feel, I don't have any problems compared to what our patients deal with."

Fraser, who grew up in Webster Groves, Mo., is a homegrown talent who hadn't really planned on staying home. After graduating from medical school at the University of Missouri in 1983, she became a medical resident and then chief resident at the University of Colorado, the school that sent her to Haiti. When the residency ended, she and her husband, nephrologist Steven B. Miller, M.D., searched for an opportunity to teach and practice medicine together.

"We looked around the country, and Washington University was one of the few places with outstanding infectious disease and renal programs," she said.

Miller, a St. Louis native, now is an associate professor of medicine at the medical school. They have 8-year-old twins and a 5-year-old. When not child wrangling, Miller and Fraser like to unwind by climbing mountains, including the Rockies, the Himalayas and Africa's Mount Kilimanjaro. One

of Fraser's current pastimes is trying to talk her husband out of scaling Mount Everest.

Tracking hospital infections

In her early days at the School of Medicine, Fraser seemed headed for standard training in the lab, but Gerald Medoff, M.D., then the head of the Division of Infectious Diseases, encouraged her to become a hospital epidemiologist. "I didn't even know what that was," she recalled. She soon learned the craft of tracking the sources of hospital infections and searching for ways to protect patients. Today, Fraser is the medical director of infection control for all the BJC Health System hospitals.

"There's been a tremendous expansion in infection control under her leadership," said Storch, who works on infection control at Children's Hospital. "She has an impressive vision for her interventions. And, as with the Helena Hatch Center, she has the resolve to turn her visions into reality."

By studying charts, spotting trends, working closely with surgical teams and reminding staff to wash their hands, Fraser and her team have helped decrease surgical infection rates at Barnes-Jewish Hospital.

"Infection control is crucial, because 5 to 10 percent of hospitalized patients across the country develop infections during their stay," she said. "As soon as rates go up, we go into the operating rooms and start asking questions. A deep chest infection can cost \$20,000 to \$50,000, so preventing just a few of them makes a big difference."

Fraser and other infection-control specialists are fighting an increasingly difficult battle. Bacteria are becoming resistant to the front-line antibiotics, and some emerging strains can withstand even the "big guns," such as vancomycin. Patients also are growing more vulnerable to attack. Cancer patients on chemotherapy, transplant patients on immunosuppressive drugs and people with AIDS all offer easy targets for bacteria. The job, Fraser said, will only get tougher.

With the infection-control program and the Helena Hatch Center, Fraser has moved closer to the vision of medicine she first saw in Haiti. She is working to prevent infections in patients and has found a way to reach underserved patients. As she continues her teaching and research, she will continue as well to live out her conviction that there's more to medicine than treating one patient at a time.

— Chris Woolston



Victoria Fraser, M.D., (left) discusses patients with nurse coordinator Lori Watkins.

and co-director of the infectious diseases division. "She also has tremendous compassion, which is why the Helena Hatch Center is so successful. That program wouldn't even exist without her."

Despite recent victories, anxiety hangs over the center. The federal grant runs out in 1999, and nobody knows if the program can survive. Fraser and others are frantically searching for funds, but the future doesn't look promising.

"We don't know where the money is going to come from," Fraser said. "If the center disappears, these women won't get the same care or the same follow-up."

"When a woman has three kids, a dying husband, no car and no food in the fridge, it's absurd to just give her a prescription and expect her to do well."

I'm afraid we'll start seeing a lot of infected babies again."

For now, the center seems far too busy to be in danger of disappearing. On clinic days, when clients come in for medicine and checkups, the halls and waiting rooms are filled with young women and their children. A team of pediatricians from Project ARK (AIDS Resources for Kids) checks the children while Fraser and Linda Mundy, M.D., assistant professor of medicine and current medical director of the clinic, work with the mothers.

Gregory Storch, M.D., professor of pediatrics, associate professor of medicine and of molecular microbiology and medical director of Project ARK, has been treating HIV-infected kids for years, so it's easy to see

Calendar

Visit Washington University's on-line calendar at <http://cf6000.wustl.edu/calendar/events/v1.1>

Aug. 13-29



Exhibitions

"Powerful Grace Lies in Herbs and Plants: A Joint Exhibit on Herbal Medicine." Sponsored by Missouri Botanical Garden Library and Bernard Becker Medical Library. Through Aug. 31. Seventh floor, Bernard Becker Medical Library, 660 S. Euclid. 362-4235.

"Visible Poetry: A Survey of Illustrated Books." Through September. Special Collections, fifth floor, Olin Library. 935-5495.



Lectures

Friday, Aug. 21

9:15 a.m. Pediatric Grand Rounds. "Growth Hormone Treatment for Short Kids — Who Will Benefit?" Abby L. Hollander, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Saturday, Aug. 22

8:30 a.m.-4:30 p.m. Office of Continuing Medical Education symposium. 16th annual Interna-

tional Conference of the Benign Essential Blepharospasm Research Foundation, Inc. St. Louis Marriott West Hotel, 660 Maryville Centre Dr. For costs and to register, call 362-6287.



Miscellany

Friday, Aug. 28

3:30 p.m. School of Architecture all-school meeting. Cynthia Weese, dean of architecture. Steinberg Aud. 935-5490.

Burke named Lee Scholar —from page 1

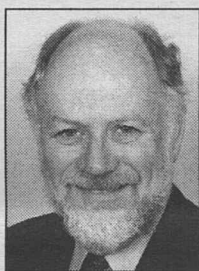
tional, scholarly and exhibition programs. He also will work to encourage interdisciplinary collaboration in numerous departments, including anthropology, Asian studies, American cultural studies and African-American studies, all in Arts and Sciences.

Burke, who previously has served as an adjunct professor in art history and archaeology, also will advise the University in the development of its proposed Visual Arts and Design Center, particularly about ways the center might work with other arts organizations in the St. Louis area.

"Jim Burke is in an ideal position to help conceptualize new ways for our cultural institutions to combine their energies and engage in a broader spectrum of the St. Louis community," Wrighton said. "His appointment recognizes both the considerable achievements of Jim Burke and the extraordinary contributions of Des Lee to strengthen collaborative ties throughout the St. Louis region."

Fox, a University trustee, added: "Jim Burke's appointment . . . further strengthens the Art Museum's ongoing commitment to expand its already strong relations with all regional universities and educational institutions

at all levels throughout our community. We're pleased that Jim will have this added opportunity to serve as a resource for educators, students and their institutions as part of the vital role he will continue to play in the museum's future."



James D. Burke

Burke has served as the museum's director and chief executive officer since 1980. A recognized expert on Dutch, German and French art, Burke earned a bachelor's degree from Brown University in 1962 and a master's from the University of Pennsylvania in 1966. In 1968, he received a Fulbright-Hayes Fellowship to study at the University of Amsterdam and in 1972 received a doctorate from Harvard University.

He spent six years at Yale University, where he taught in the history of art and American studies departments and the schools of Art and Architecture, and also served as curator of prints, drawings and photographs in the Art Gallery before coming to St.

Louis in 1978 as assistant director for art.

Burke is a member of the College Art Association, the American Association of Museums, the Print Council of America and American Institute of Architects' Advisory Board. In 1985, he became president of The Saint Louis Art Museum Foundation.

Lee was named St. Louis Man of the Year in 1997. The award is given annually to an individual who best exemplifies an inspiring level of citizenship, who exhibits leadership in generating civic pride, and who is dedicated to the growth and vitality of St. Louis.

"No one has worked harder than Des Lee to increase the level of collaboration and cooperation between St. Louis art institutions and their surrounding communities," Wrighton noted.

Lee, a 1940 graduate of the John M. Olin School of Business, is the former president of Lee-Rowan Manufacturing Co., a leading manufacturer of closet accessories, hangers and other products for consumers and retailers. Lee founded the company in 1939 with friend and fellow University alumnus James P. Rowan, a 1938 graduate of Arts and Sciences. —Liam Otten

Luce Professorship: crossing disciplines to study collective memory —from page 1

interdisciplinary work is not to have discussions in the abstract — you know, what's the role of psychology or anthropology or history," he said, "but rather to say, 'Let's go to a "real" topic here.' Let's talk about the war in Vietnam. What do people now understand or 'know' or remember about that war? There are psychological issues being reworked, like post-traumatic stress syndrome; there are cognitive issues of memory and reconstruction of memory and flash-bulb memories; there are volumes of historical material being declassified; there's Robert McNamara writing a book that says we were terribly wrong."

What we remember and how we remember it are the core questions in regard to collective and individual memory. One recent historical example is the Enola Gay exhibit at the Smithsonian Institution that triggered a political firestorm. In question: What was the "real" reason that the United States dropped the atomic bomb on Hiroshima? Was it to shorten the war, as Harry Truman said? Was it a shot across the bow, intended to frighten the Soviet Union? Was it dropped on Japan, instead of

Germany, because we're a racist society? Or did the entire project take on an institutional and scientific life of its own that created an unstoppable momentum?

"Numerous books have been written about this," Wertsch said, "and it's not that one view is simply true and one is simply false. There are several accounts, with good evidence for each one."

How a group collectively remembers something can have a carryover effect. Inside the White House during the Cuban missile crisis, the phrase "Pearl Harbor" came up again and again. The implication was: "Look, we can't just go and bomb the missile sites — that would make us like them." Pearl Harbor was viewed collectively by John F. Kennedy's advisers as an evil deed and played an important role in their decision-making.

"Collective and individual memory is not a picture — there's no simple photocopy of the past," Wertsch said. "It's a bunch of different voices competing. And one of them eventually wins out, somehow. But if it wins out too easily or too monolithically, it runs the risk of exactly what

happened to the former Soviet Union. In the end, the only thing the Soviets succeeded in producing were people who became so good at picking things apart — in the newspapers, in the history books — that they wouldn't believe *anything*. So it's about the production of history, but also the consumption of history.

"We're not out to deconstruct the notion of memory," Wertsch continued. "We have to believe there are 'more accurate' and 'less accurate' and 'better' and 'worse' versions of the past. Our job is not to tell students what 'the truth' is. We want to accept the notion that there are truths, but we also want to get people to recognize the complexities. We want to spark critically reflective thinkers without getting so critical that they get cynical."

The Luce Professorship will organize this discussion. "There are several of us on the faculty who are already interested in the topic, but we don't define ourselves strictly in those terms," Wertsch said. "So this would be the glue to hold a budding network of faculty interest together — to get some synergy going."

That combustible energy was already firing this past April,

according to Stuart Yoak, Ph.D., director of foundation relations. Yoak helped organize the University's effort in hosting two Luce Foundation representatives for a make-or-break April 24 site visit.

Leading off the visit was an hour-long meeting with the University's three principle faculty members in the effort: Wertsch; Wayne Fields, Ph.D., professor of English in Arts and Sciences and director of American cultural studies; and Henry L. Roediger, Ph.D., professor and chair of the Department of Psychology in Arts and Sciences.

Next was a half-hour briefing with three administrators — Edward Macias, Ph.D., dean of Arts and Sciences; Robert Thach, Ph.D., dean of the graduate school of Arts and Sciences; and Dennis Martin, Ph.D., associate dean of Arts and Sciences — followed by a half-hour meeting with Chancellor Mark S. Wrighton.

The afternoon provided two creative sparks: a round-table lunch discussion that included nine University faculty members, followed by a 45-minute brainstorming session with five undergraduate students.

"The students were our biggest selling points," Yoak said.

to the letter from the dean for meeting location.)

8:30 a.m.-5 p.m. Academic registration.

4-6 p.m. Improvisational comedy. Keith Sawyer, asst. prof. of education, teams up with Washington University's improv group, Mama's Pot Roast, in a workshop on improvisational creativity. Registration required.

7:30-9 p.m. Student/faculty talent show. University students and faculty will dazzle with their many talents. South 40 Swamp. (Rain location: second floor, Wohl Center.)

Tuesday, Aug. 25

8:30 a.m.-4 p.m. Academic advising appointments.

8:30 a.m.-5 p.m. Academic registration.

9 a.m.-2 p.m. Olin Library tours. Help Desk, Olin Library.

10 a.m.-Noon. Monument to a Dream Tour. Join Kevin Z. Truman, prof. of civil engineering, for a brief presentation about the famous Eads Bridge, a description of the construction of the St. Louis Arch and a simple tour of the city. Registration required.

10 a.m.-Noon. Production and Distribution Systems. Want to know how things work in the world of business and industry? Come play a game with Steven J. Erlebacher, asst. prof. of operations and manufacturing management. Registration required.

10 a.m.-Noon. Washington University — The Historical Perspective. Did you know that 20 Hilltop Campus buildings are listed with the National Register of Historic Places? Join architectural historian Esley Hamilton on a tour. Registration required.

4-5 p.m. Art faculty slide show. Steinberg Aud.

5-6 p.m. School of Art faculty/new student picnic. North lawn, Bixby Hall.

Orientation Highlights

The following events are part of orientation for new students. For further information, call 935-6679.

Thursday, Aug. 20

9 a.m.-6 p.m. New student check-in. Residence halls.

11 a.m.-4 p.m. Campus tours. Information desks in Mallinckrodt and Wohl centers.

7:30 p.m. Convocation. The first gathering of the Class of 2002. Athletic Complex.

9 p.m. Celebration at the Quad. The chancellor's procession from the Athletic Complex to Brookings Quadrangle for entertainment and a "taste" of St. Louis.

Friday, Aug. 21

1-3 p.m. Departmental open houses. Opportunity to meet with representatives from the faculty and staff and learn more about the curriculum.

9:30-10:30 p.m. Residential College Olympics. South 40 Swamp. (Rain location: second floor, Wohl Center.)

Saturday, Aug. 22

4:30-6 p.m. Bears, BBQ and Fun. Watch the Battling Bears football team in action in an intra-squad scrimmage between the freshman and varsity teams. There will be a BBQ dinner during the game. Francis Field, Athletic Complex.

Sunday, Aug. 23

1-3 p.m. Transfer Tours of St. Louis. To help you find the necessities for living in St. Louis. Brookings Hall steps.

4-6 p.m. Engineering adviser meetings. Lopata Hall Gallery.

4:30-6 p.m. Arts and Sciences adviser meetings. (Refer to the letter from the dean for meeting location.)

8-11 p.m. Evening of Fun at the Science Center. St. Louis Science Center, 5050 Oakland Ave.

Monday, Aug. 24

8:30 a.m.-4 p.m. Academic advising appointments. (Refer

"Their collective interest and energy was certainly a highlight of the site visit."

With the professorship now in hand, Wertsch will oversee the search committee. He said the successful candidate will fulfill three main criteria. "We want an outstanding, internationally recognized scholar, of course," he said. "However, unlike a lot of searches, it has to be someone who is not interested in disappearing into a particular department. We need someone who is willing to listen and to talk across disciplines."

"Finally, the person has to be really willing and able to work with students," Wertsch said. "We're not interested in somebody who would come as a great scholar and disappear into the library and write about this for the remainder of his or her career. This is intended to mix with, challenge and energize the undergraduate and graduate curriculum."

Concluded Wertsch: "Ideally, in 10 years our reputation will be such that someone says: 'Oh, you want to study collective and individual memory? Washington University is where you need to be.' That would be our dream."

—David Moessner

Liberal arts, technology mix in summer 'boot camp'

Instead of tackling "War and Peace" this summer, twelve Arts and Sciences students immersed themselves in technology as part of a program designed to increase the computer literacy of liberal arts students.

Wave Technologies International, a St. Louis-based leader in technical training worldwide, offered the program as a pilot in collaboration with the College of Arts and Sciences. The twelve students embarked June 8 on an intensive eight-week, hands-on institute in information technology — a challenging mix of skills involving computer systems, networks, programming languages and Web-based development. They were eligible for professional certification encompassing a variety of skills and, at the program's end July 31, four of the students attained certification.

The students worked five hours a day, five days a week, mostly at workstations on the second floor of Prince Hall but also after hours on homework and at several area businesses, where they experienced the real world of business and technology.

Motivation to forego a more traditional summer are the more than 200,000 jobs nationwide awaiting skilled information technology personnel and valuable contacts and internships down the road.

"We had students across the board in Arts and Sciences, from English majors to physics majors, and it was amazing how well they did," said Susan Rollins, assistant dean in Arts and Sciences, who with Dennis Martin, associate vice chancellor and associate dean in arts and sciences, was instrumental in linking students with Wave Technologies International. Rollins was the point person for all logistical arrangements. Wave provided faculty. The Arts and Sciences Computing Center contributed technical support.

"This is the kind of training normally provided by corporations to get their employees up to speed on things," Rollins continued. "I've been to many things like this, where people are put together and have to learn in a special environment, and the outcome is very positive. We're extremely pleased with the dedication and success of our students. I've always believed that an education in Arts and Sciences exposes students to all sorts of knowledge and enables them to learn many different things. This program bears that out."

Rollins said Wave's interest in the program was to test their theory that a technical background is not necessary for people to acquire information technology skills.

"This is an unusual collaboration in that Wave usually trains in a corporate setting and they came to our campus to train and evaluate college students," she said. "It costs some corporate clients \$15,000 per person to provide a similar program. It was a tremendous opportunity, and I think the students all realized that."

Wave's instructors covered such topics as critical issues facing information technologies; PC technologies; network essentials; Windows 95; various software and programming strategies; and Web development, HTML and Java. Students were tested at various stages on their way to certification as Microsoft Certified Professionals (MCP).

"The students did very well and were a pleasure to work with," said Kent Curry, one of the Wave Technologies instructors.

"There is a wealth of opportunity in the field, and I think this experience shows that sharp, well-educated people in Arts and Sciences can do quite well in information technology. The things that liberal arts encourage — open-mindedness, inquisitiveness, a willingness to learn — are all essentials to success in information technology. We hope to do this again at Washington University."

Rollins said there are tentative plans to have Wave offer the institute again, perhaps as early as semester break.

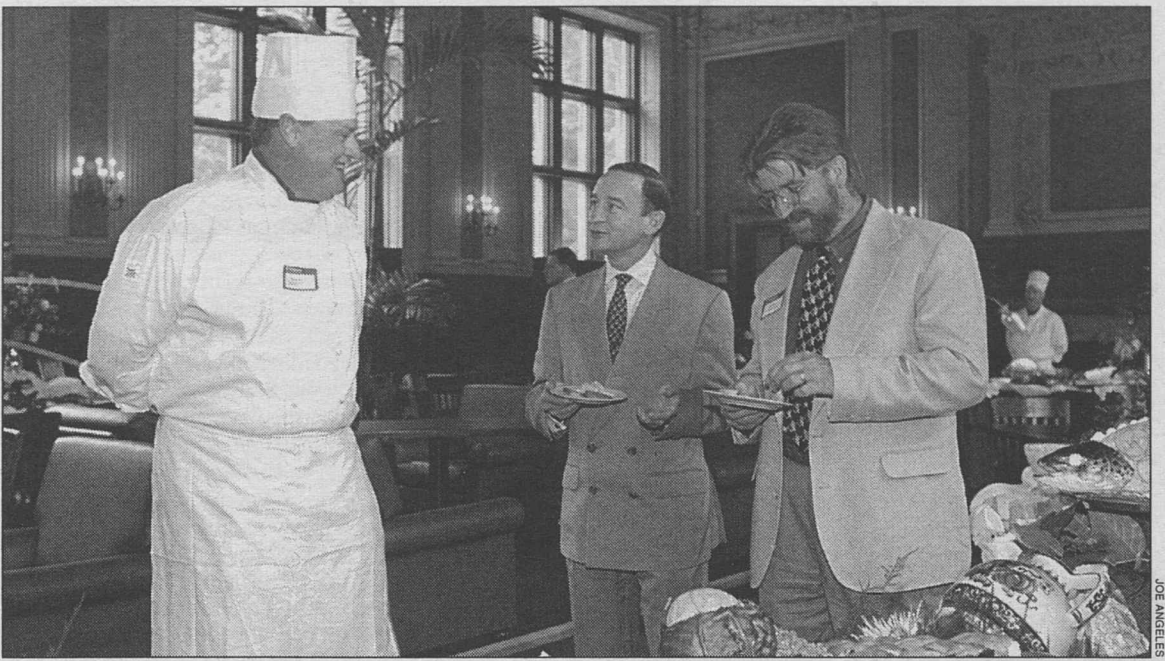
David Lombardino, a senior mathematics major from Houston, Tex., passed three software exams, halfway toward qualification as the higher level Microsoft Certified System Engineer (MCSE).

"These are skills that I can take to the workplace right now," Lombardino said. "I'm definitely going to be looking for an information technology job, and, in fact, I've going to get some internships in the future as a result of taking the program."

John Andrews, a senior psychology major from Mishawaka, Ind., was not so sure of his future plans, but considered the experience valuable.

"I think I'll continue this training in some way, and I'll probably end up in computers after I graduate," he said. "The experience was very challenging but very beneficial."

— Tony Fitzpatrick



Bon Appétit Management Co.'s Executive Chef Bill Schwenk chats with Chancellor Mark S. Wrighton (center) and Steven J. Givens, assistant to the chancellor, at a welcoming reception in Holmes Lounge July 14. The reception introduced about 60 University administrators to Bon Appétit's 24 on-site managers and 38 chefs. The menu included homemade breads and pastries, fresh fruits, international cheeses, three meat selections, four styles of pasta and — for the daring — octopus.

New treats from Bon Appétit

Squid, anyone? If that doesn't tempt your taste buds, there's a lot more to choose from since Bon Appétit Management Co. of Menlo Park, Calif., became the University's new Dining Services contractor. With the June 26 switch from Marriott Food Services, Bon Appétit has ushered in new dining concepts and expanded menu choices.

Bon Appétit will operate a total of 14 areas on the Hilltop Campus, in addition to catering student, faculty and staff functions. It's a big job; the space the firm operates on campus is equivalent to an 800-room hotel, said Tom Bergin, general manager of Bon Appétit on campus. Much of that space is being remodeled. When all dining locations are opened Aug. 20, even the utensils and china will be new.

Bon Appétit has a staff of 180 (about 45 more than Marriott employed), including 24 on-site managers and 38 chefs. Having chefs on campus adds more choice and greater flexibility, Bergin said. There will be daily menu changes, a full bakery creating fresh-baked goods, and foods cooked to order. Fresh meat

and produce will be delivered seven days a week. Selection will include southwestern cuisine, sushi, home-style meals, vegetarian foods and handmade pizza.

"The selection has quadrupled," Bergin said. "The foods that we offer run the whole gamut."

Mallinckrodt Center is one of the areas undergoing major changes. The Food Court is being completely remodeled with new chairs and tables, an earth-tones color scheme, softer lighting, carpeting in the dining area and piped-in music. The food stations all will be new, with the exception of the center salad bar and Subway Sandwiches & Salads. Even the name will change: Dining Services and Bon Appétit plan to hold a contest to rename the Food Court.

"It's going to feel like a sit-down restaurant," Bergin said. "You'll get a high-tech, real fun feeling with high-powered foods."

Among the changes at other dining locations on campus: Starbucks' coffee has been introduced at the Hilltop Bakery, the School of Law, the School of Business, the Bear's Den and in the newly remodeled Holmes

Lounge; Wohl Center will have a marketplace complete with fresh produce and meals to go; The Umrathskeller will serve wine as well as beer; and a kosher food cart will be added on the main floor of Mallinckrodt.

Bon Appétit has a five-year contract with University Dining Services. The firm's selection earlier this year followed a lengthy review process begun in late 1997, which included the submission of detailed operating proposals from three companies. A 10-person selection committee comprised of University administrators and students reviewed the proposals and awarded the contract to Bon Appétit based on the overall strength of the company's proposal. The firm serves a number of other educational clients throughout the country, including Stanford University, Wheaton (Ill.) College and Loyola University of Chicago.

Marriott had held the University contract since 1983. Of Marriott's 130 production and service employees at the University, 68 were hired by Bon Appétit, Bergin said.

— Martha Everett

Research sheds light on nonmarital births

Given the tremendous economic and social costs of supporting poor children born out of wedlock, it's not surprising that state legislatures have long had a keen interest in reducing teen-age pregnancies and nonmarital births. Public outcry and politics have spawned programs ranging from condom distribution to "just say no," but these efforts have had little success in stemming the rising tide of nonmarital births.

There are no simple solutions, but ongoing research by Nancy Vosler, Ph.D., associate professor in the George Warren Brown School of Social Work, and John Robertson, Ph.D., visiting assistant professor at the school, is shedding light on an array of issues influencing the plight of nonmarital families and helping shape new welfare initiatives in Missouri.

Their findings suggest that community involvement is essential not only for programs designed to head off unwanted births, but also for efforts to provide much-needed assistance to the growing numbers of nonmarital families.

Their research also documents the increasingly important role that noncustodial fathers must play if these fragile, nonmarital families are to have a fighting chance in the age of welfare reform.

Single mothers without a partner to help care for their children will have difficulty joining the work force. Child support will become critical as public assistance is cut off under five-year limits imposed by welfare change.

"The fathers are the real story here," Vosler said. "Researchers have spent a great deal of time studying teen pregnancies and unmarried women as heads-of-households, but fathers in these nonmarital situations have just been invisible."

Robertson and Vosler based their study on a detailed analysis of Missouri state social services data, focus groups with unmarried fathers and in-person interviews with St. Louis fathers 18 and older recruited for the study through the women who were pregnant with their children. Findings contradict the stereotype of fathers who have deserted their families and care little about their children.

"These fathers indicated that they want to do well by their children," Vosler said. "Many say they would do a better job of parenting if they could get jobs. They also would like help figuring out how to be in a relationship with a woman who is not a wife, but who is the mother of their child."

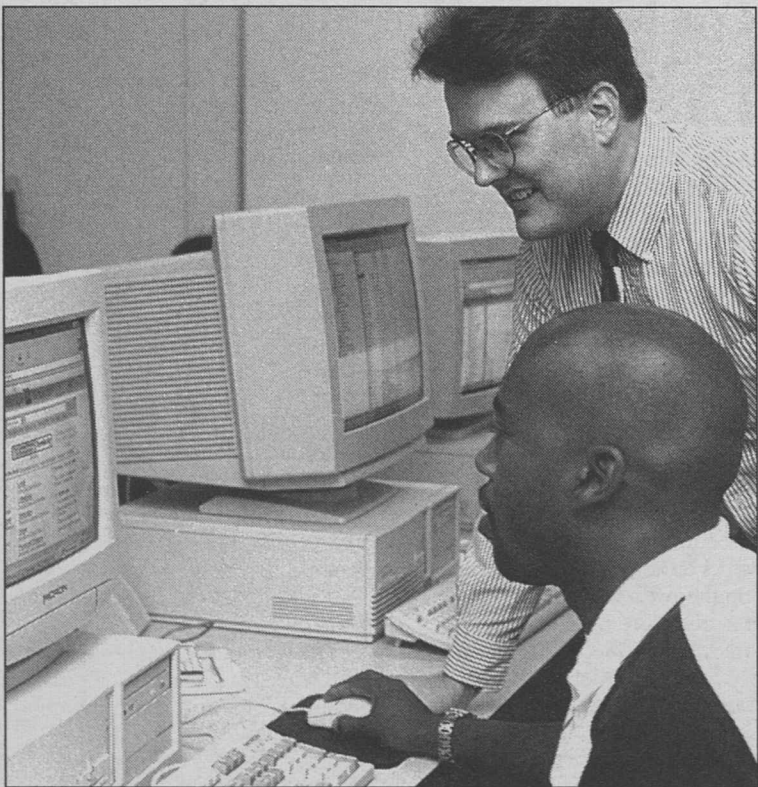
Such findings already are shaping the recommendations of a task force on nonmarital births assembled by Missouri Governor

Mel Carnahan. The recently drafted task force report offers a detailed, aggressive plan that relies on a combination of powerful state welfare reform initiatives, enhanced managed care strategies and the integration of teen pregnancy prevention programs. The goal is fundamental system reform at the neighborhood, community and state levels.

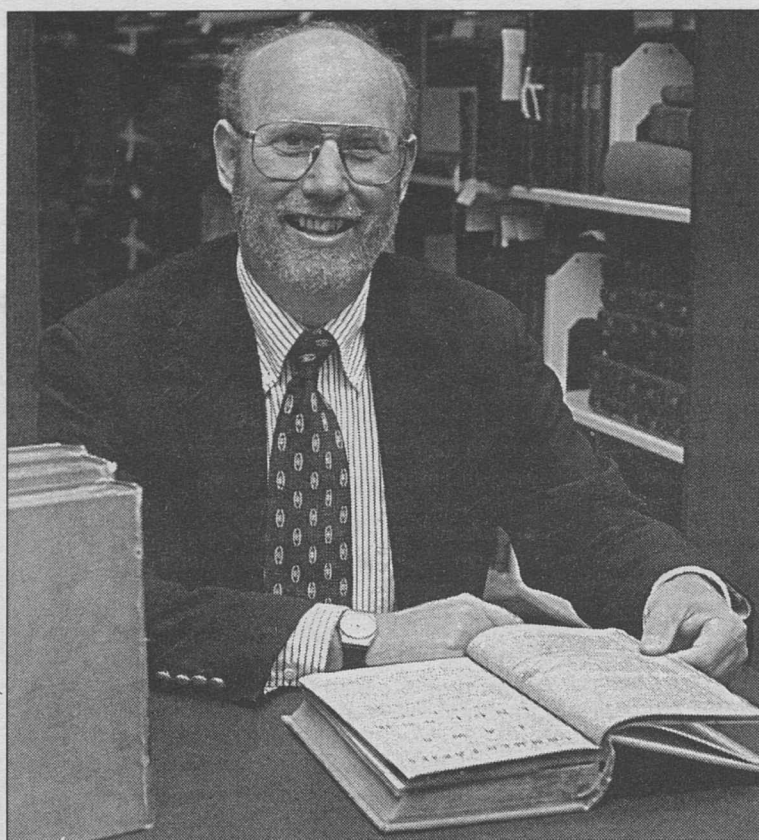
Robertson and Vosler now are working with an innovative support program, Fathers' Support Center, St. Louis, formed for nonresidential St. Louis fathers seeking a more active role in the lives of their children. The group will organize events where fathers can do activities with their children and will provide connections to training and employment opportunities. The key to its success, however, may be the mutual support that fathers can provide to each other.

"When you have a group of fathers doing this together, it makes it easier for each of them. A lot of these men are moving away from street life, trying to find some way to get themselves back into the mainstream, to find jobs and spend time with their children," Vosler said. "Sometimes they need to see that someone else has done this. The longings are there. The question is how to get from longing to action."

— Gerry Everding



Wave Technologies' Kent Curry (rear) and Brent Gilmore, a 1998 English graduate, work at a Prince Hall laboratory computer as part of this summer's information technology institute for Arts and Sciences students.



Philip Berwick, J.D., associate dean for Information Resources at the School of Law, examines a rare first American edition of "Blackstone's Commentaries on the Law of England." The set of four books is the gift of Cynthia Love Roth.

Rare law books donated — from page 1

sity. He began teaching in 1753, was elected to Parliament in 1761, named solicitor general in 1764 and appointed a judge in 1770. Throughout his career, he lectured extensively on the common law, and his commentaries are based on these lectures.

Berwick said the gift is timely because the new law school's rare book facility makes the collection accessible for the first time in

many years. Prior to the construction of Anheuser-Busch Hall, much of the collection was in storage at the School of Medicine. The first American edition of "Blackstone's Commentaries" will join roughly 1,500 other rare books — including a first British edition of "Blackstone's Commentaries" — in the Rare Book Room on the first floor of the law school building. — Ann Nicholson

Fossett aloft near Africa in round-the-world flight

Singed eyebrows notwithstanding, Steve Fossett's balloon and his spirits both were aloft at press time (2:30 p.m. Monday, Aug. 10).

Fossett, who lifted off from Mendoza, Argentina, at 6:30 p.m. CDT Friday, Aug. 7, in his fourth attempt to circumnavigate the globe in a balloon, traveled a total distance of 3,490 miles during the first three days of his journey. Last clocked at 78 miles per hour at an altitude of 24,780 feet, Fossett was expected to pass between St. Helena and Tristan da Cunha Islands in the South Atlantic Ocean late Monday afternoon, as he flew eastward toward South Africa.

A successful journey is expected to take two weeks.

Fossett's launch was flawless, as he ascended toward a full moon on a crystal-clear evening. Within hours, though, he was plagued by a minor problem with pilot-light vapor regulators on two of the four balloon burners.

At 12:30 a.m. CDT — just six hours after lift-off — he attempted to correct the problem by disconnecting a pilot-light hose from one of the burner tanks. Apparently, the quick-disconnect valve fitting on the tank did not seal off the flow of fuel, as designed, and a small fire resulted.

Fossett quickly doused the flames, but sustained minor burns on his wrist and eyebrows. Upon evaluation, it was determined that the flight could continue with two functioning pilot lights.

Plant science center to tackle global hunger — from page 1

the Division of Plant Biology at The Scripps Research Institute, La Jolla, Calif., since 1991. He also is co-director of the International Laboratory for Tropical Agricultural Biotechnology.

Beachy was a member of Washington University's Department of Biology in Arts and Sciences from 1978 to 1991 and headed up the Center for Plant Science and Biotechnology here. He earned a bachelor's degree from Goshen (Ind.) College and holds a Ph.D. in plant pathology from Michigan State University.

"We're lucky to have him," Danforth said. "He's a first-rate scientist. And he has a commitment to the center's world mission and the energetic leadership style that we were looking for."

Ralph S. Quatrano, Ph.D., newly appointed chair of biology and the Spencer T. Olin Professor in Arts and Sciences, also expressed enthusiasm for Beachy's appointment and the work of the new center. "One of the prime factors in my move to Washington University from the University of North Carolina at Chapel Hill," he said, "was not only the strength and commitment in plant sciences at Washington University but the creation of this plant science center in St. Louis."

"The recruitment of Roger Beachy to head the center makes the dream of St. Louis being a world center for plant science a reality. This is an exciting time for plant science worldwide, and there will be much happening in the next millennium."

The plant science center's purpose is to advance improvements in human health and nutrition and in global sustainability through innovative efforts to increase understanding of basic plant science.

The center also will promote the practical application of new knowledge by fostering rapid development and commercialization of new technologies and products. It will contribute as well to the education and training of graduate and post-doctoral students, scientists and technicians from around the world.

In his keynote address, Carter observed that few people in the developed world consider food security a problem. But, he continued, world population growth has been outpacing increases in global food production. Unless scientific advances are developed to grow more food efficiently and with less environmental damage, experts predict that food shortages and environmental destruction will become widespread in the next century,

threatening peace and economic well-being throughout the world.

Citing alarming statistics about population growth, increased food consumption, aquifer depletion, rainforest destruction and the loss of no fewer than 25 billion tons of topsoil each year, Carter said: "I congratulate the founders of the Donald Danforth Plant Science Center for their vision and commitment to helping the world find new answers to these critical, age-old problems."

The staff of the new center is expected eventually to exceed 100

excellent integrated system that spans basic research to delivery of research benefits to growers.

• The University of Missouri-Columbia has a strong College of Agriculture, Food and Natural Resources with field operations throughout the state of Missouri and connections throughout the world, plus an outstanding group of life scientists whose work emphasizes the plant sciences.

• Washington University has world-class strengths in genetics, biochemistry, molecular biology, computer science and physiology and historical pre-eminence in the plant sciences.

• Augmenting the work of these four not-for-profit institutions is Monsanto, which has transformed itself into a life sciences company that applies biological principles to the sustainable production of nutritional foods, medicines and other plant-based products important to the future of the world. No corporation in the world has a stronger group of plant scientists than Monsanto.

"This is a unique partnership," said Peter H. Raven, Ph.D., the Engelmann Professor of Botany and Missouri Botanical Garden director. "It combines public and private resources in an extraordinary effort, one which will be to plant science what Max Planck Institute is to mathematics and physics and Pasteur Institute is to medicine."

According to Robert B. Shapiro, Monsanto chairman and chief executive officer, the center addresses growing world concerns. "We need to find ways to increase crop productivity so that we can feed the people of the world in a sustainable fashion," Shapiro said.

John C. Danforth, board chairman of the Danforth Foundation, stressed the foundation's commitment to the St. Louis region in discussing its support for the center. "The Danforth Foundation recently reaffirmed its commitment to St. Louis and the region," he said. "We believe that this gift will help assure that our area is the premier center for plant sciences in the world."

The Danforth Foundation was established in 1927 by Mr. and Mrs. William H. Danforth and their daughter and son, Dorothy Danforth Compton and Donald Danforth.

In May 1997, foundation trustees decided to concentrate resources exclusively in the St. Louis metropolitan area, and they broadened the focus to include other important community and civic issues in addition to education.

"This is an exciting time for plant science worldwide, and there will be much happening in the next millennium."

— Ralph S. Quatrano

persons, including 15 principal investigators who will head up multi-disciplinary laboratory projects in a state-of-the-art facility in St. Louis County, near the intersection of Olive Street and Warson roads. When completed in the year 2000, the center's facilities will include laboratories, greenhouses, a library, seminar and meeting facilities and offices. The center's board is currently soliciting bids from architectural firms with the intention of selecting an architect by early fall.

Monsanto donated the land, 40.3 acres valued at \$11.4 million. The Monsanto Fund has given \$40 million to the project and pledged \$30 million more in addition to the land. The State of Missouri has awarded \$25 million in tax credits. Research grants and endowments will fund future operations.

The five founding partner institutions bring world-class strengths to the center.

• The Missouri Botanical Garden is one of the world's leading botanical research institutes, with extensive programs in Latin America, Africa, China, and North America, and it has outstanding informatics capabilities in plant research.

• The University of Illinois at Urbana-Champaign, in its College of Agriculture, Consumer and Environmental Sciences, has an

Trask is new Campus Y director

Dennis Trask has been named executive director of Campus Y, overseeing an organization consisting of 25 student-led programs that deal with a wide range of community service and community development issues. Trask replaces Gail Glasser, who resigned to take a position in the corporate office of the YMCA of Greater St. Louis.

Prior to his appointment, Trask served for one year as executive director of Joint Neighborhood Ministry in St. Louis. The innovative faith-based community organization works to help the indigent population achieve independence. Before that, he spent four years with The Prevention Partnership, which supports community drug abuse prevention coalitions in St. Louis city and county. Trask was a program coordinator for that organization from 1995 to 1997.

He also has experience in the realm of higher education, having served as a residence hall

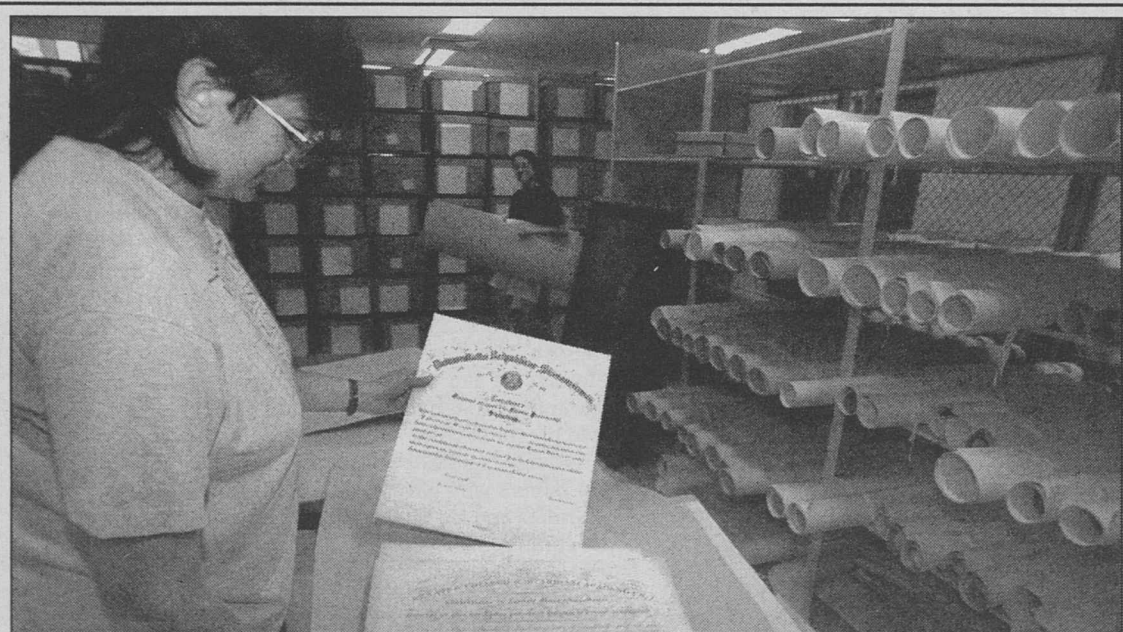
director at the University of Kansas in Lawrence from 1987 to 1989 and as a resident director at Southwestern College in

Winfield, Kan., from 1986 to 1987.

Trask earned a bachelor's degree in political science in 1983 from Southwest

Missouri State University in Springfield. He also received a master's degree in guidance and counseling in 1986 from the same institution.

The Campus Y is a branch of the YMCA of Greater St. Louis and the YWCA of Metropolitan St. Louis and is a United Way member. The YWCA was chartered at the University in 1911, with the YMCA following suit in 1912. The programs joined together to become the Campus Y in 1934.



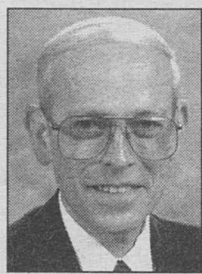
History on the move

University Archivist Carole Prietto takes care in packing two honorary degrees given Robert S. Brookings, president of the University Corporation from 1895 to 1928 — one from Washington University (doctor of medicine, 1929) and one from Harvard University (doctor of laws, 1920). The degrees and the rest of the University Archives collection are being packed and moved from Olin Library to the rear of the West Campus Library. The newly renovated 7,100-square-foot area will provide twice the space for the collection. Archives is closed for the move and will reopen in its new location Monday, Aug. 17. A Web site with answers to questions about the move can be viewed at library.wustl.edu/~spec/archives/move.

Barry Dress named associate vice chancellor in alumni and development

Barry Dress has been named associate vice chancellor for school alumni and development programs, according to David T. Blasingame, vice chancellor for alumni and development programs. Dress succeeds David F. Jones, who retired March 31 after 18 years with the University.

As associate vice chancellor, Dress will be responsible for



Barry Dress

planning and implementing alumni and development programs in support of all schools of the University. He will provide direct supervision for the school development programs on the Hilltop campus and the University's annual giving and alumni relations programs.

"Barry is very enthusiastic about joining Washington University and working with our faculty, staff, alumni and friends," Blasingame said.

"Washington University is extremely fortunate to have someone so talented and experienced in this important leadership position. It will be a pleasure working with him and we are delighted to have him, on the alumni and development team."

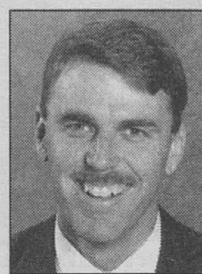
Before coming to the University, Dress served for the past six years as director of development for the Colonial Williamsburg Foundation in Williamsburg, Va., where he led a number of significant development campaigns. He has 28 years of development experience, having served previously as vice president of university relations at Rockefeller University and at Long Island University, both in New York. He also was director of development for Stanford University's School of Medicine.

Dress earned a bachelor's degree from Wagner College in Staten Island, N.Y., in 1969. He received a master's degree from City College of New York in 1973.

Three athletics department staff promoted to director-level positions

Three Department of Athletics personnel have been appointed to director-level posts, effective Sept. 1, according to John Schael, director of athletics. Joe Worlund has been promoted to assistant athletics director; T.J. Shelton to assistant athletics director for facilities, operations and special events; and Sharon Collins to director of intramurals and club sports.

Worlund has served as the University's director of intramural and club sports for the past 16 years and as an assistant director of athletics the past four. He also has served as an assistant volleyball coach since 1986, helping guide the Bears to seven NCAA Division III national championships since 1989.



Joe Worlund

He replaces Phil Godfrey, who resigned in December to accept a position with the National Senior Games in Baton Rouge, La.

Worlund will assist Schael in the overall operations of the University's athletics department, working with policy and procedures, special events, the budget and team travel. A 1980 graduate of Graceland College in Lamoni, Iowa, Worlund earned a master's degree in recreation from the University of Iowa in 1982.

Shelton, the facilities manager for the athletics department since 1995, assumes more responsibility for the day-to-day operations of the University's athletic facilities, both indoor and outdoor. He will continue to supervise the assistant facilities manager, as well as coordinate and manage the student staff and provide support functions for home intercollegiate contests.

A native of Independence, Kan., Shelton earned a bachelor's degree in sports management from Wichita State University in December 1989 and a master's degree in sports administration from the same institution in 1992.

Collins has served as the University's assistant director of intramural and club sports since 1991. She will oversee the organization and administration of the University's 50-sport men's and women's intramural program and club sports. More than 3,500 University students, faculty and staff participate in intramural and club sports every year.



Sharon Collins

Collins, a native of Jacksonville, Ill., received a bachelor's degree in advertising from the University of Illinois in 1988 and a master's degree in recreation and education administration from Southern Illinois University-Carbondale in 1991.

Shelton, the facilities manager for the athletics department since 1995, assumes more responsibility for the day-to-day operations of the University's athletic facilities, both indoor and outdoor. He will continue to supervise the assistant facilities manager, as well as coordinate and manage the student staff and provide support functions for home intercollegiate contests.



T.J. Shelton



The Spirit of Freedom

Joe Polman, Ph.D., a postdoctoral fellow in education in Arts and Sciences, was invited to Washington, D.C., to take part in dedication ceremonies July 18 unveiling the Spirit of Freedom Civil War Memorial that honors U.S. black troops and their white officers. Polman accompanied William Lomax (left), a seventh-grader at Compton-Drew Investigative Learning Center Middle School, and Arthur Yentumi, a fifth-grader at Del Mar-Harvard Elementary School, who are both taking part in Polman's after-school project, dubbed "HistoryWeb St. Louis." The McDonnell Foundation is funding the project, in which students created a Web page about the Underground Railroad.

Olin faculty member receives tenure

At the May 1 meeting of the Board of Trustees, one Hilltop Campus faculty member was promoted with tenure, effective July 1, 1998.

Todd R. Zenger, Ph.D., was promoted to professor of organization and strategy in the John M. Olin School of Business.

For The Record

For The Record contains news about a wide variety of faculty, staff and student scholarly and professional activities.

Of note

Lynn Stockman Imergoot, assistant athletics director and women's tennis coach, and **Nancy Fahey**, women's basketball coach, were honored by the St. Louis Education Equity Coalition. The pair received Educational Equity Awards in recognition of their efforts to promote education equity for women and girls in the metropolitan St. Louis area. Imergoot was given the Lifetime Equity Award and Fahey received the Athletics Equity Award. ...

Joel Perlmutter, M.D., associate professor of neurology and of radiology, was one of three recipients of the 1998 Outstanding Young Physician Award from the University of Missouri Medical Alumni Organization. The award is given to University of Missouri alumni who are 45 or younger and have made significant contributions to the field of medicine. Perlmutter, who heads the Department of Neurology's Movement Disorder section, is a nationally recognized expert in the study of physical and chemical factors associated with Parkinson's disease and dystonia. ...

Lawrence H. Snyder, M.D., Ph.D., assistant professor of neurobiology, has been selected as a Sloan Research Fellow. Each year, the Alfred P. Sloan Foundation in New York awards 100 two-year \$35,000 fellowships to young scientists who have demonstrated special creative ability. In addition, Snyder recently was awarded a three-year \$120,000

Klingenstein Fellowship in the Neurosciences from The Esther A. and Joseph Klingenstein Fund Inc. in New York. Snyder studies how we use vision and other senses to build up maps of our surroundings and how we use those maps to look at and reach for objects that are around us. ...

Thoralf M. Sundt III, M.D., assistant professor of surgery, has been named the surgical director of the heart transplantation program in the Division of Cardiothoracic Surgery. Sundt succeeds **Michael K. Pasque**, M.D., professor of surgery, who will continue as surgical director of the heart failure and ventricular assist device program in collaboration with **Joseph G. Rogers**, M.D., assistant professor of medicine and medical director of the heart transplant and heart failure programs.

On assignment

Merton C. Bernstein, LL.B., the Walter D. Coles Professor of Law Emeritus, recently testified before the U.S. House of Representatives' Subcommittee on Social Security. He was one of seven witnesses, including the new commissioner of Social Security, invited to testify about the effects of raising Social Security's normal retirement age. Bernstein explained how such a change would reduce the benefits of everyone who retires thereafter.

To press

An article by **A. Peter Mutharika**, LL.B., LL.M., J.S.D., professor of law, on "The Role of International Law in the 21st Century: An African Perspective"

Political science professors win book award

A book by two University political science professors has won the prestigious C. Herman Pritchett Award, given by the American Political Science Association's Law and Courts section, for the year's best book on law and the courts.

"The Choices Justices Make" is co-authored by Jack Knight, Ph.D., associate professor of political science in Arts and Sciences, and Lee Epstein, Ph.D., chair of political science and the Edward Mallinckrodt Distinguished University Professor.

Published in 1997 by Congressional Quarterly, reviewers describe it as an "informative, creative and insightful" analysis of strategic decision-making among justices of the U.S. Supreme Court.

"The Choices Justices Make" represents a new generation in judicial scholarship," said Barry R. Weingast, senior fellow at the Hoover Institution and chair of political science at Stanford University. "Epstein and Knight's emphasis on strategic interaction provides a new perspective on a range of problems."

The book is credited with offering a unique and thought-provoking theory for understanding how decisions get made on the Supreme Court. In this theory, justices are strategic actors who realize their ability to steer policy decisions depends on the preferences of their colleagues and other relevant actors, on the choices they expect others to make and on the institutional context in which they act.

was reprinted in the Commonwealth Law Bulletin. ...

The third edition of "Principles and Practice of Radiation Oncology," a textbook co-authored by **Carlos Perez**, M.D., professor of radiology and director of the Radiation Oncology Center, and **Luther Brady**, M.D., professor of radiation oncology at the Allegheny University Hospitals-Hahnemann, recently was published.

Speaking of

Ingrid B. Borecki, Ph.D., research associate professor of biostatistics, recently spoke on "Genetic Epidemiological Approaches to Understanding Complex Traits" at the annual meeting of the Human Biology Association held in Salt Lake City. ...

Kathleen Clark, J.D., associate professor of law, was invited to present a paper on "Applying Ethical Principles to the Campaign Finance Debate" at a conference on "Money, Politics and Corruption" at the University of Paris; at an international "Ethics in Public Service" conference in the Netherlands; and at the annual meeting of the American Political Science Association in Boston.

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 For The Record, c/o David Moessner, Campus Box 1070, or e-mail David_Moessner@aismail.wustl.edu. Items must not exceed 75 words. For information, call 935-5293.

Obituaries

Edward H. Hunter, former dentist

Edward H. Hunter Jr., D.D.S., who taught in the School of Dentistry for 25 years, died of complications from Alzheimer's disease Tuesday, July 28, 1998, in Seattle. He was 81.

From 1947 to 1972, Hunter was a clinical professor and chair

of the Department of Dental Materials at the dental school. He had a dental practice in Clayton for 48 years before retiring in 1989.

Born and reared in St. Louis, he earned a degree in dentistry in 1941 from the University.

Opportunities & personnel news

Hilltop Campus

The following is a partial list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 130 West Campus, or by calling 935-5906. Job openings also may be accessed via the World Wide Web at cf6000.wustl.edu/hr/home.

Executive Assistant 990016. *Consortium for Graduate Study.* Requirements: associate's degree, bachelor's preferred; experience in transcription; knowledge of Windows 95 and Microsoft office; ability to manage multiple tasks at once; ability to work under pressure. Responsibilities include supporting the CEO; managing the CEO's schedule; filing; correspondence; call reports; assisting the fundraising unit with phone calls. Some travel required.

Library Technical Assistant (Adaptive Cataloging) 990017. *Olin Library.* Requirements: bachelor's degree or equivalent work experience; relevant experience or coursework in librarianship; good typing skills; ability to work with foreign languages, reading knowledge of one foreign language preferred; ability to work with details in an organized and accurate manner; legible handwriting; physical stamina.

Secretary/Career Resources Library Assitant (part time) 990019. *Business School.* Requirements: high school diploma; knowledge of standard secretarial procedures and office/library op-

erations; experience with computer systems, preferably Microsoft Office; ability to produce high quality work with a high degree of speed and accuracy; demonstrated written communication and proofreading skills; strong interpersonal and oral communication skills; ability to prioritize workload, handle projects simultaneously and work with minimal supervision; ability to deal effectively with people, exercising good judgment and tact. Responsibilities include helping maintain the Career Resources Library; providing front office secretarial assistance as required.

Undergraduate Career Advisor (part time) 990020. *Business School.* Requirements: bachelor's degree, master's preferred; experience in university career counseling, preferably business school, or in college recruiting or human resources; knowledge of business and clear understanding of various jobs, career fields and their requirements in the local, regional and national markets; strong commitment to meeting student needs; customer service focus; excellent interpersonal and oral/written communication skills; ability to work independently and with a team. Responsibilities include assisting associate director of undergraduate career advising with overall management of undergraduate career education program; participating and contributing to planning and delivery of Career Center's services to employers and undergraduate university students.

Editorial Assistant (part time) 990022. *Anthropology.* Requirements: associate's degree; experience in gen-

eral office procedures including filing, photocopying, faxing, answering telephone; good typing and word processing skills (MS Word, Windows 95); experience with relational databases desirable (e.g., Access); good organizational skills and attention to detail. Position will function as the assistant to the associate editor of the American Anthropologist Journal.

Associate Director, BSBA Advising and Student Services 990023. *Business School.* Requirements: bachelor's degree, master's preferred; commitment to and interest in serving students effectively; excellent interpersonal skills; excellent written and oral communication skills; willingness to work flexible hours, including some evenings and weekends as necessary.

Coordinator, Multicultural Education 990025. *Office of Student Activities.* Requirements: master's degree (higher education/student affairs preferred); experience in student development, minority student advisement, campus programming and leadership training; knowledge of student development concepts; excellent communication skills (oral and written); ability to relate effectively with students; energy; creativity; organizational skills; tolerance for ambiguity; sense of humor; willingness to work odd hours; ability to work as a member of a team. This position reports to the Director of Student Activities and will assist in the development, implementation and evaluation of goals for the Office of Student Activities.

Director, Common Space Management and Conference Planning

990026. *Campus Life.* Requirements: bachelor's degree, advanced degree in business or higher education administration preferred; three to five years supervisory/ organizational experience in higher education or complex organization (major convention hotel, civic organization or corporate meeting planning office); familiarity with campus culture and functioning of higher education institution; interest in working with full-time staff and student staff to meet events and conference needs of clients; experience with oversight and upkeep of facilities; excellent interpersonal, communication and conflict-resolution skills; ability to juggle tasks and demands; ability to work with internal/external units; strong customer service ethic; weekend and after-hours availability; decisiveness.

Administrative Assistant and Alternate Workflow Coordinator 990027. *Business School.* Requirements: high school diploma; five-plus years secretarial or administrative experience, university experience preferred; thorough knowledge of computers; proficiency with IBM word processing programs; experience with Word 97, Windows 95, Word Perfect and Excel preferred; demonstrated interpersonal and communication skills; ability to work effectively with faculty, staff and others; demonstrated ability to manage work and major processes; thorough knowledge of secretarial functions; ability to learn, note and correctly interpret instructions from administrators, faculty and staff; ability to produce high-quality work with speed and accuracy; ability to use transcribing equipment; ability to work under time constraints, independently and with minimum supervision.

Reference/Subject Librarian 990031. *Olin Library.* Requirements: MLS from ALA-accredited library school; reading knowledge of a foreign language desirable; familiarity with electronic information technologies; experience in reference or collection development in an academic library desirable; Web page authoring experience desirable.

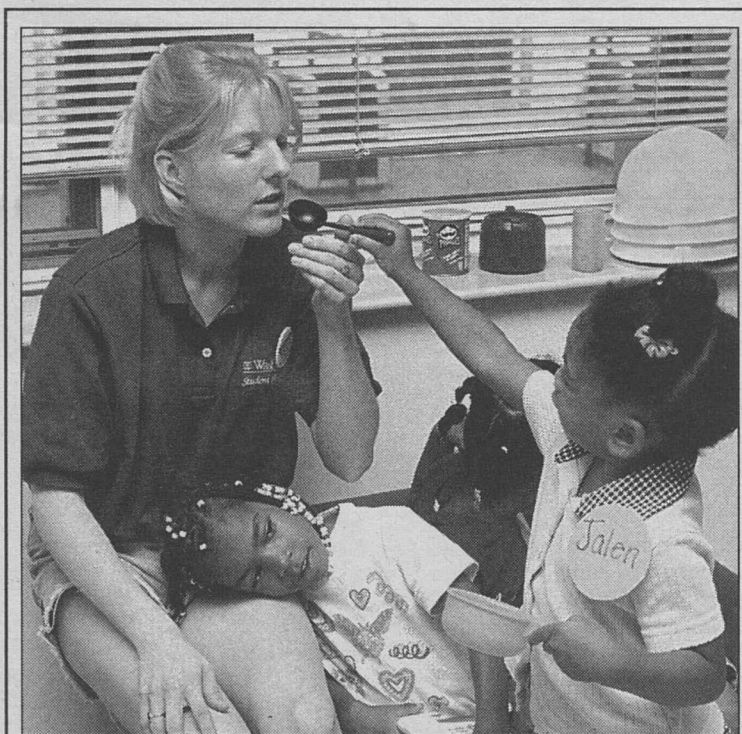
St. Louis, MO, 63110. The medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than human resources. Job openings also may be accessed via the World Wide Web at <http://medicine.wustl.edu/wumshr>.

User Support Technician 981839. Requirements: associate's degree, two years technical training or experience in related discipline; knowledge of PC operating systems and applications including Windows 3.1, Windows 95, Office 95 and Lotus Notes; familiarity with TCP/IP and Windows NT LAN technologies; familiarity with modem and remote connectivity protocols; superior communication skills. Responsibilities include assisting end users with computer hardware and software; performing trouble ticketing and documentation; rotating on-call duties as necessary.

User Support Analyst I 981843. Requirements: bachelor's degree or equivalent; one year experience with software installation and troubleshooting; strong communication skills; ability to work with team; organizational skills; excellent problem-solving skills; training experience a plus. Responsibilities include providing end user support and training for software on Macintosh/PC platforms; supporting the help desk function; conducting new user orientation for desktop use; installing new/upgraded software on various operating systems; assisting users with applications.

Data Control Coordinator 990153. Requirements: high school equivalency, some college preferred; computer experience helpful; accuracy in data collection; ability to work with minimal supervision while meeting strict deadlines. Responsibilities include collaborating with physicians, clinical research associates and nurses as a member of the clinical research team in conducting clinical trials; collecting and maintaining data; ensuring that patient follow-up visits and tests are scheduled to protocol specifications; maintaining accurate records; submitting data report forms in a timely manner; obtaining clinical data; entering information into computer database for data management. Will train as needed.

Clerk I 990166. Requirements: high school diploma or equivalent; some previous filing experience; proficiency with alpha filing procedures; good attention to detail; organizational skills; ability to work well with limited supervision. Responsibilities include keeping all charts filed; keeping all forms and documents filed for staff reference.



DAVID ALPER

Days of Caring

Karin Horstman plays house with two four-year-old girls at Grace Hill Neighborhood Services day care center in North St. Louis Friday, Aug. 7. Horstman, coordinator for Greek life in the Office of Student Activities, is one of 61 University employees who participated in the United Way Days of Caring Program. Through the program, employees worked with children, youths, adults and the elderly at 10 area United Way-supported agencies. This is the third year the University has participated in the annual event.

Campus Watch

The following incidents were reported to University Police from July 13 to Aug. 9. 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 Web site at <http://rescomp.wustl.edu/~wupd>.

Campus Watch is abbreviated during the summer months.

Over the past four weeks, \$7,928 worth of University property was reported stolen, including two laptop computers and audiovisual equipment. Personal property valued at \$1,403 was reported stolen.

There were six reports of vandalism, five of them to University property.

University Police removed drug paraphernalia from a fraternity

house, where it had been discovered by maintenance personnel.

On July 13, a staff member discovered an unidentified male removing items from her purse in Umrath Hall. The suspect was startled and pushed the staff member out of the way as he fled the building. A co-worker chased the man, who stopped and threatened the co-worker, saying he had a gun. No one was injured. The suspect stole \$20.

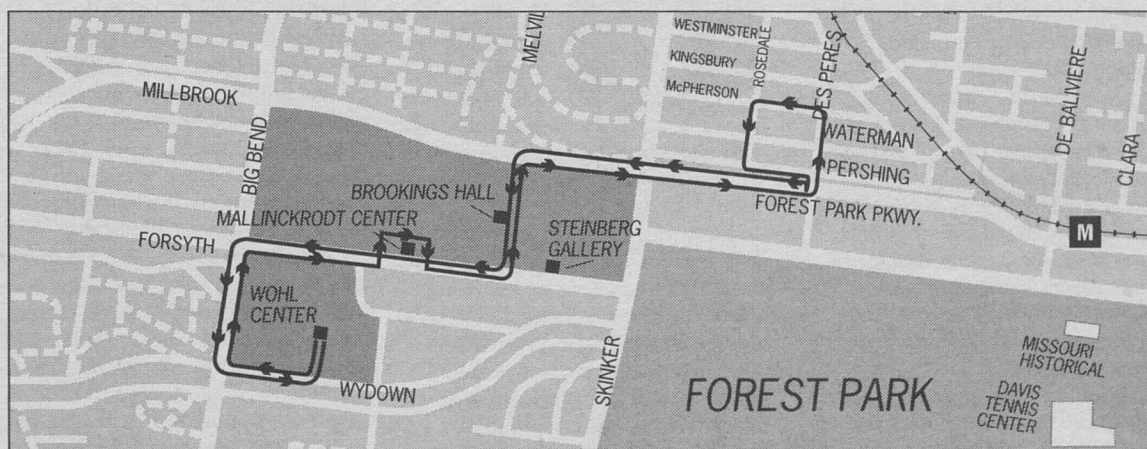
WU's computer policy on the Web

Last year, Washington University established a Computer Use Policy providing guidelines for appropriate use of computer facilities and services at the University. The full text of the policy may be found at the following Web site address: www.wustl.edu/policy/compolicy.html

For questions about the policy, contact your school, department or unit system manager, or e-mail Shirley K. Baker, vice chancellor for information technology at Shirley-Baker@library.wustl.edu.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees interested in submitting transfer requests should contact the Human Resources Department of the medical school at 362-7196 to request applications. External candidates may call 362-7195 for information regarding application procedures or may submit resumes to the human resources office at 4480 Clayton Ave., Campus Box 8002,



The darkened line shows the route of the new shuttle loop connecting student apartments in the Skinker-DeBaliviere neighborhood to Hilltop Campus locations.

Shuttle service expands Aug. 15

Transportation Services will expand the University Shuttle service beginning Aug. 15.

Shuttle buses will run seven days a week until 1 a.m., adding Saturday night service. Weekend daytime service will be expanded to cover all routes.

Additionally, a new route has been added in the Skinker-DeBaliviere neighborhood. The route travels in a loop between the residential area and Wohlfahrt Center.

It was added to accommodate the increase in students living in the neighborhood. More than 200 returning students are relocating from residential houses to off-campus University apartments to help make room for the record-sized incoming freshman class.

"We're trying to provide exceptional service to those students," said Gary Sparks, director of Transportation Services. "We're doing everything we can to make it a good experience."

Schedule for the new shuttle route

The new Wohlfahrt/Hilltop/Des Peres shuttle departs Wohlfahrt Center every 30 minutes as follows:

Monday-Friday

7:15-12:45 a.m.

Saturday-Sunday

12:15 p.m.-12:45 a.m.

The schedule for other routes may be found at the University Police and Transportation Web site at <http://rescomp.wustl.edu/~wupd>.