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Record

April 30, 2004

Volume 28 No. 31

Treasuring the Past



Washington University in St. Louis

Celebrating 150 Years

Shaping the Future

Danforth receives the Search, Eliot Society's highest award

By BARBARA REA

During the University's milestone 150th anniversary, it is most fitting that the recipient of the William Greenleaf Eliot Society's Search Award — its highest honor — is one of its greatest leaders, William H. Danforth.

The longest-serving chancellor (1971-1995), Danforth led the University through one of the most critical periods in its development. He is now chancellor emeritus and vice chairman of the Board of Trustees.

He was presented with the award at the Eliot Society's 37th annual dinner April 22 at The Ritz-Carlton in Clayton.

Chancellor Mark S. Wrighton presented Danforth with a silver replica of *The Search*, a sculpture designed by Heikki Seppa, professor emeritus in the School of Art.

In presenting the honor to Danforth, Wrighton said: "He is a man of great and enduring influence at the University, in St. Louis, and in many national organizations and educational and scientific enterprises. He has served as a leader in many professional and academic societies."

On a personal note, Wrighton said that nothing could have prepared him for Danforth's kindness and his deep commitment to the University when Wrighton came to St. Louis as a candidate for the chancellorship.

"I cannot imagine how I would have made the transition to a new city and the post of chancellor without his friendship, counsel, and moral support," Wrighton said.

Danforth has been associated with the University since 1957, when he joined the

See Danforth, Page 6



William H. Danforth (left) was honored with the Eliot Society's Search Award April 22; Chancellor Mark S. Wrighton (right) presented him with a replica of *The Search*, a sculpture by Heikki Seppa, professor emeritus in the School of Art.

Olin Library rededication set for May 7

By ANDY CLENDENNEN

After nearly 40 years of service to the University and the community, it was time for Olin Library to undergo a massive overhaul with some additional enhancements.

Now, three years after renovation began in May 2001, the new look library will be officially unveiled in a rededication ceremony at 3:30 p.m. May 7. The ceremony will be in the plaza in front of the library's new southern entrance. (The severe-weather location is Holmes Lounge.)

Neil Rudenstine, head of ARTstor and president of Harvard University from 1991-2001, will deliver the keynote address.

Other speakers will be Chancellor Mark S. Wrighton; William H. Danforth, chancellor emeritus and vice chairman of the Board of Trustees; John F. McDonnell, chairman of the board; Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences;

Shirley K. Baker, vice chancellor for information technology and dean of University Libraries; and Wayne Fields, Ph.D., the Lynne Cooper Harvey Distinguished Professor of English and co-director of American Culture Studies, both in Arts & Sciences.

The ceremony will also feature the dedication of a statue of George Washington — for whom the University is named — which will stand in the plaza in front of the library.

The goals for the renovation included:

- making Olin more high-tech and easier to use;
- adding 17,000 square feet on the main level;
- creating a cyber café and 24-hour study space;
- establishing a technology

See Library, Page 6

Tyson program benefits area youth, teachers

By TONY FITZPATRICK

Say "biological field station" and many people envision graduate students doing populations studies or taking climate readings.

But the University's Tyson Research Center serves a purpose for K-12 students as well as for ecological researchers.

Each year, thousands of young students visit Tyson for educational outdoor activities through the Tyson Field Science Program (TFSP). Many children collect their first insects, see their first animal tracks or take their first hike at Tyson.

Throughout the year, students from St. Louis City and County schools stream out to Tyson to participate in half-day field trips.

Middle-school students explore dry creek beds for rocks made of shells from ancient seas, or artifacts worked by ancient Native American hands. Elementary-school students walk forest trails to collect hickory nuts and grapevines, and discover the myriad plants that thrive at Tyson.

Each year, the TFSP welcomes

See Tyson, Page 6



Jim Ligman, a teacher at Oak Hill Elementary School in the St. Louis Public School District, prepares his students on April 13 for an earth science program at Tyson Research Center.

New Electronics Shop offers array of services

By KIMBERLY LEYDIG

Need disaster recovery for critical data lost after a computer crash? Or maybe your next research project requires state-of-the-art sensors or laser devices or custom-designed computer-controlled motion?

Enter the Electronics Shop. It offers a one-stop shop for all of the University's electronic needs.

This comprehensive electronics repair shop and instrument fabrication facility provides an extensive range of services for new project design and novel

development work, as well as repairs of existing electronic devices and instruments.

The shop serves the Hilltop and Medical campuses, University-affiliated institutions and off-campus customers.

Research associate Gavin Perry, Ph.D., who has a degree in neural sciences from the University, and senior design engineer Arnold Heidbreder run the Electronics Shop. Perry and Heidbreder each have more than 30 years of electrical engineering and design experience.

Before the shop opened, Perry

See Shop, Page 3

This Week In WUSTL History

April 30, 1904

The Louisiana Purchase Exposition — the 1904 World's Fair — began. It was held on more than 1,200 acres of land on what is now Forest Park and the Hilltop Campus.

May 4, 1871

The School of Law certified that Phoebe Couzins had passed her final exams. Couzins became the first woman graduate of the school, the first woman law graduate in Missouri and the third woman to graduate from any law school in the United States.

This feature will be included in each 2003-04 issue of the Record in observance of Washington University's 150th anniversary.

University helps co-workers overseas feel right at home

By ANDY CLENDENNEN

Looking around the living quarters of soldiers in Iraq, you would probably expect to see normal possessions of those deployed: fatigues, a few pictures, maybe some books or magazines, and ... white chocolate macadamia nut cookies?

At least those cookies might be found in the rooms of troop members that can successfully play "Six Degrees of Jill Edwards."

Edwards, office supervisor in the University's administrative offices, and her sister Sue Kohn have sent thousands of cookies to troops overseas.

"This began with my sister in March of last year," Edwards said. "She's been sending care packages over there for some time and had established some wonderful contacts."

"Sue knows how much I enjoy baking, and asked me to contribute cookies to the care packages, and I was happy to help."

And now, instead of sending just packages of cookies, Edwards' efforts have grown into a project that includes many members of the University community.

Not long ago, Edwards learned that University employee Nicholas Pruitt, a technical assistant in

See Cookies, Page 6

Women's Society honors two at annual meeting

By ANDY CLENDENNEN

The Washington University Women's Society held its 37th annual meeting April 14 in the Women's Building Formal Lounge and awarded the Elizabeth Gray Danforth Scholarship and the Women's Society Leadership Award.

Patrick Juelich, who is studying at St. Louis Community College at Meramec and carries a 3.6 grade-point average in addition to his work and volunteer activities, won the Danforth scholarship.

Gillian Galford won the leadership award. Raymond E. Arvidson, Ph.D., the James S. McDonnell Distinguished University Professor and chair of earth and planetary sciences in Arts & Sciences, nominated her.

The award is given to graduating women who have contributed significantly to the University community during their undergraduate years and who demonstrate a high potential for leadership.

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

In 1995, the society named the endowment in honor of Danforth as an expression of gratitude and admiration for all that she had done as the University's "first lady" from 1971-1995.

Juelich has been on Meramec's Dean's List each semester and was recently inducted as a member of Phi Theta Kappa, the Interna-

tional Honors Society of Community Colleges. He will graduate this spring as an Honors Program Scholar.

"I first heard about the scholarship when I saw the brochure on a bulletin board last year," Juelich said, pulling the brochure from his jacket. "It says, 'Making Dreams Come True,' and it certainly made mine come true."

His teachers reported Juelich has a strong history of volunteerism and assumed leadership roles in his volunteer activities, such as the S.T.A.R. Program (Supporting Teenagers At Risk).

He has been admitted into the College of Arts & Sciences.

Galford has displayed effectiveness in service to others, demonstrated exceptional potential for leadership and excelled academically while contributing to extracurricular activities and pursuing work or work-study employment.

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

"I am very excited and honored to receive this award from the Women's Society," Galford said.

A double major in earth and planetary sciences and Environmental Studies in Arts & Sciences, Galford has maintained a GPA above 3.5 and has been on the Dean's List. She has also participated in the Pathfinder Program in Environmental Sustainability.

See Women, Page 6



Elizabeth "Ibby" Danforth congratulates Patrick Juelich upon his being awarded the 2004-05 Elizabeth Gray Danforth Scholarship by The Washington University Women's Society at its 37th annual meeting April 14 in the Women's Building Formal Lounge. Juelich, who is studying at St. Louis Community College at Meramec, has been admitted to the College of Arts & Sciences.

MARY BUTKUS

"I first heard about the scholarship when I saw the brochure on a bulletin board last year. It says, 'Making Dreams Come True,' and it certainly made mine come true."

PATRICK JUELICH

Firearms prohibited on University-owned premises

On Feb. 26, the Missouri Supreme Court released its decision saying that the substance of the state's concealed weapon law is constitutional.

Although some counties have raised further legal challenges regarding the law's funding and application provisions, the University is preparing for the reality that individuals who are qualified under the new law will soon be permitted to lawfully carry concealed weapons in Missouri.

The law, commonly referred to as "concealed-carry," generally allows individuals who hold either a Missouri permit or a permit from another state to carry concealed firearms throughout the state.

The law creates certain exceptions making it unlawful for a permit-holder to carry a concealed firearm into a number of establishments open to the public, including "any higher education institution" without the consent of the institution's governing body.

However, the law does allow a permit-holder to stow a firearm in a vehicle on the premises of an institution of higher education, so long as the firearm is not removed from the vehicle or brandished from within the vehicle while it remains on the premises.

A committee organized to address the issue has determined that Washington University should continue to be a community free from concealed weapons.

Accordingly, as a private institution regulating the use of its private property, the University will prohibit both the carrying of concealed weapons on University premises and the stowing of any firearm in a vehicle parked in or on a University-owned parking facility.

Therefore, firearms (concealed or otherwise) are now prohibited on all University-owned premises, including parking lots. Students, faculty, staff, contractors and visitors will not be permitted to carry firearms or stow firearms in their vehicles parked on University-owned lots or metered parking lots.

The chief of University Police is the only person empowered to make exceptions to this prohibition and to grant the consent required under the new law on all

University campuses.

Members of the University community can expect to see the following changes:

- Amendments to employee, faculty and student policies clarifying the prohibition of firearms on University-owned premises, including parking facilities;

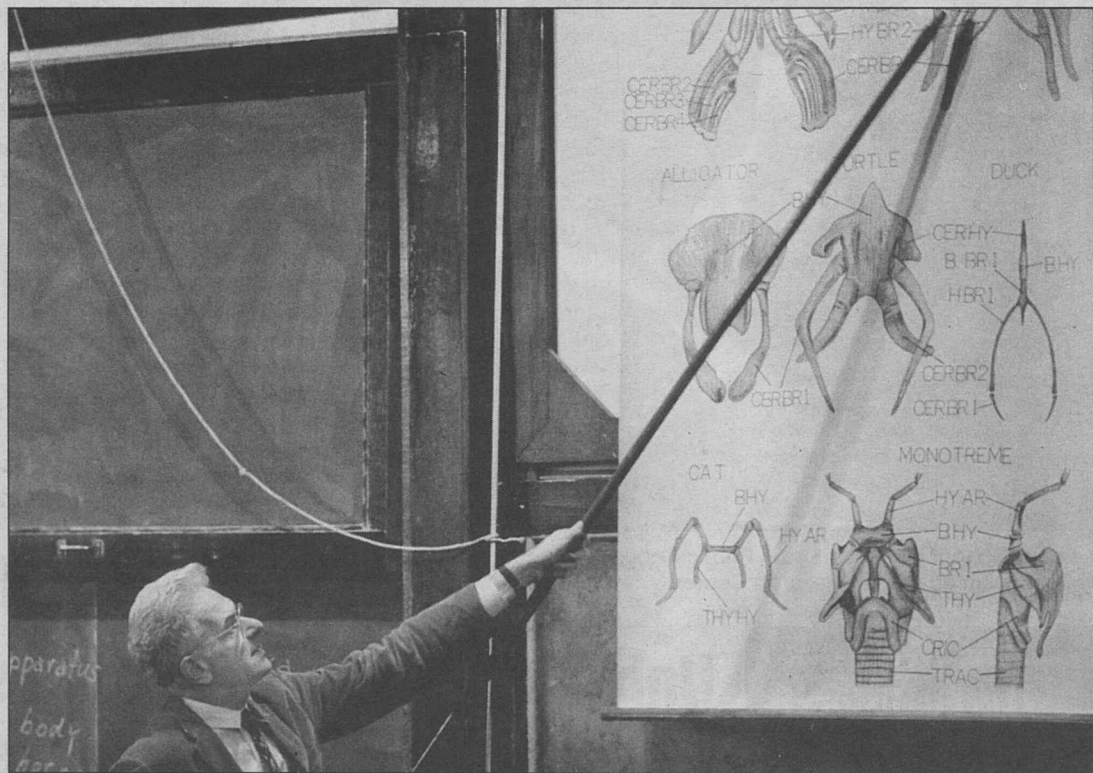
- "Property Owned By Washington University in St. Louis" decals on entrances to University-owned property not located on the Hilltop or Medical campuses — such as University-owned apartments, Lewis Center and West Campus — giving notice to permit-holders that the property is owned by an institution of higher education where concealed weapons are prohibited.

- Universal no-gun symbol decals on University-owned parking meters and University shuttles, giving notice to visitors that guns are prohibited on campus.

- Universal no-gun signs on properties leased from the University, such as Kayak's Coffee and businesses on West Campus, if the leaseholder chooses to post.

Questions regarding the University policy on concealed weapons may be directed to the Office of General Counsel (935-5152) or University Police Chief Don Strom (935-5514).

PICTURING OUR PAST



Viktor Hamburger, Ph.D., a founding father in the field of developmental neurobiology, lectures to a zoology class in 1960. Hamburger joined the zoology department in 1935 and chaired it from 1941-1966 before gaining emeritus status in 1968. Hamburger (1900-2001) was one of at least 15 intellectuals who migrated from Europe to Washington University between the end of World War I to shortly after World War II. Some were fleeing political oppression, others were escaping religious persecution — Hamburger was a native of Germany with Jewish ancestry. Nobel Prize-winners Carl and Gerty Cori were the first. Others included Egon Schwarz, professor emeritus of German and the Rosa May Distinguished Professor Emeritus in the Humanities, who was a native of Vienna but forced to flee Europe in the 1940s and taught at the University for 32 years; and Gustav Shonfeld, the Samuel E. Schechter Professor of Medicine and a lipid expert, who survived Auschwitz and moved to St. Louis in 1946, joined the University faculty in 1972 and later chaired the Department of Internal Medicine.

Washington University is celebrating its 150th anniversary in 2003-04. Special programs and announcements will be made throughout the yearlong observance.

WASHINGTON UNIVERSITY IN ST. LOUIS
150 years
1853-2003

Treasuring the Past
Shaping the Future

News Briefs

Work-study program meetings May 4 & 12

The Office of Student Financial Services will hold two meetings for interested departments to discuss the federal work-study program.

Members of departments that already have a work-study program in place, or those which are thinking of starting one, are urged to attend.

The meetings will cover the process of bringing in students, examples of the appropriate paperwork and a review of last year's numbers.

The U.S. Department of Education gives money to the University to operate the work-study program on campus. The benefit to the University is the ability to use both departmental funds and government funds to pay eligible student workers, and to better use the talents and abilities of the exceptional students that attend the University.

The meetings will be:

- Medical Campus: 9:30-11 a.m. May 4, Human Resources Building, Room 1140A; and
- Hilltop Campus: 9:30-11 a.m. May 12, Anheuser-Busch Hall, Room 305.

Due to seating limits, reservations should be e-mailed to anita_radcliffe@wustl.edu.

Presidential debate volunteers sought

Applications are being accepted for volunteers to help support the presidential debate Oct. 8 at the University.

Possible responsibilities for volunteers range from providing administrative support to assisting with tickets and credentials.

All WUSTL full-time and part-time students, postdoctoral scholars, faculty and staff are eligible to apply.

For more information and to complete an application, go online to debate.wustl.edu. For further information, call 935-5930 or e-mail careers@artsci.wustl.edu.

National Day of Prayer event to be held May 6

The National Day of Prayer May 6 will be observed with a gathering at noon in front of Brookings Hall. People of all faiths are welcome to attend.

The National Day of Prayer is set aside specifically to pray for our nation and its leaders.

The Rev. Vincent Heier, director of the Office of Ecumenical and Inter-religious Affairs of the Archdiocese of St. Louis, will lead.

For more information, e-mail sallyb@gwbmail.wustl.edu or call 935-4881.

School of Medicine Update

Protein may prevent autoimmune attacks

By MICHAEL C. PURDY

School of Medicine scientists have identified a potentially important contributor to the immune system's efforts to separate friend from foe.

Researchers showed that a protein known as H2-DM can keep immune system T cells from erroneously assaulting the body's own tissues.

Distinguishing between foreign and native is one of the immune system's most important tasks. Failure to make this distinction can lead the immune system to attack the body, causing autoimmune conditions like diabetes, lupus, arthritis and multiple sclerosis.

"This protein may be one of the components that goes awry when the immune system's normal inflammatory processes malfunction, leading some T cells to attack the body," said Scott Lovitch, an M.D./Ph.D. student and member of the research team.

The work was published in the April 21 issue of the journal *Immunity*.

Lovitch works in the laboratories of the study's principal investigator, Emil R. Unanue, M.D., the Edward Mallinckrodt Professor and head of the Department of Pathology and Immunology. Unanue's research team studies a group of T cells known as type B T cells.

"During development, as the body begins building its arsenal of T cells to attack various types of invaders, any T cells that attack the body's own tissues are supposed to be deleted," Lovitch said.

"However, our laboratory determined that some of

"This protein may be one of the components that goes awry when the immune system's normal inflammatory processes malfunction, leading some T cells to attack the body."

SCOTT LOVITCH

these self-reactive T cells don't get eradicated. These cells are known as type B T cells."

T cells normally go on the attack when other cells known as antigen-presenting cells supply evidence of a foreign invasion. This evidence takes the form of protein bits on the surface of antigen-presenting cells.

Based on its inspection of these protein bits, a T cell will either remain inactive or start multiplying in preparation for an attack.

The protein bits are displayed in molecules collectively known as the major histocompatibility complex (MHC).

Unanue's lab previously found evidence that type B T cell attacks on the body's own tissues were linked to slight changes in ways the MHC displays bits of protein.

A piece of one of the body's own proteins displayed in the MHC might not normally provoke a type B T cell, for example. But that same protein part displayed in a slightly

altered form of the MHC changes what the T cell "sees," possibly leading the T cell to attack.

Lovitch developed a test-tube approach for inserting proteins into specific compartments of antigen-presenting cells. He found that when the proteins were given to a compartment in the cell known as an endosome, the proteins were displayed by the MHC in a fashion that could provoke type B T cells.

However, when they were given to another compartment known as a lysosome, the MHC-protein display failed to provoke the type B T cells.

Scientists then tried the experiment in cells in which the gene for the H2-DM protein had been removed. H2-DM is common in lysosomes but rare in endosomes, and other scientists have shown that high-acidity environments like the lysosome increase H2-DM's activity levels.

In this experiment, they found that antigen-presenting cells could provoke a reaction in type B T cells regardless of which compartment received the protein.

"These results suggest that H2-DM appears to be playing an editing role in the lysosome, blocking the pathway that leads to an MHC-protein complex that can cause a response from type B T cells," Lovitch said.

To further investigate the potential links between H2-DM, type B T cells and autoimmune disease, Lovitch and others in Unanue's lab have produced a genetically altered mouse that only has type B T cells.

They plan to study these mice to determine whether normal inflammation can provoke an autoimmune reaction in the T cells, leading to conditions similar to diabetes.

Shop

Custom designs
electronic projects
— from Page 1

designed electronic and real-time computer-controlled projects for various Hilltop and School of Medicine labs, while Heidbreder worked as an electrical engineer, programmer and system manager for Central Institute for the Deaf (CID).

Perry and Heidbreder combine both electrical engineering and scientific experience.

"In this shop, scientists can work with people who understand the science behind a project and can focus on the technical aspects of implementing a cost-effective solution," Perry said. "Scientists know how they want an experiment to run, and we can specify, create or redesign the hardware and software to meet their specific requests."

Over the past decade, exploding technology has created a need for an integrated software, electronics and machine shop at the University.

Last year, the closing of the last departmental electronics shops in cell biology and the merging of CID with the School of Medicine created a need for an electronics shop.

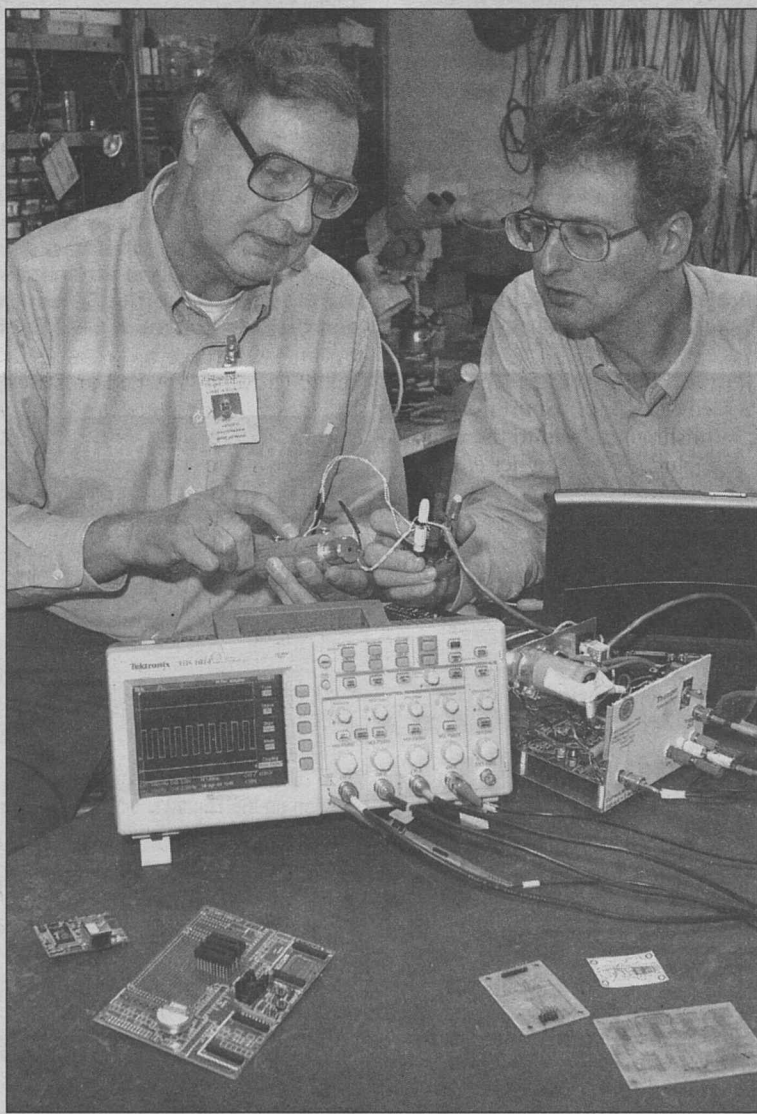
The new Electronics Shop is a component of the Instrument/Machine Shop, which offers services such as the design and manufacture of custom components and systems.

The Instrument/Machine Shop is equipped with computer-controlled milling machines, precision lathes and many other specialized tools for fabricating plastic, metal and composite parts.

Because these shops are now together in one administrative entity, they can provide integrated solutions for complex electronically controlled mechanical systems. A single bill from the instrument shop simplifies book-keeping for investigators and their administrators.

Although the Electronics Shop opened last fall, Perry and Heidbreder report that many University scientists are not aware of the services it offers and still go outside the University for their electronics services.

"One of the biggest advantages of opening the Electronics Shop at the University is that we often can provide the same services as



Senior design engineer Arnold Heidbreder (left) and research associate Gavin Perry, Ph.D., work in the Electronics Shop.

outside companies, but at much more affordable rates, which allows scientists to dedicate more of their funds to research," Heidbreder said.

The engineering team can work from a customer's verbal description of the desired electronic or electromechanical system, create schematic diagrams and circuit boards from rough sketches and other designs, or help interpret and compare manufacturer's specifications to integrate a cost-effective off-the-shelf solution.

Customers may bring projects to the shop for design and implementation consultations, or a staff engineer can come to their labs to facilitate integration of a device into a complex system.

Thanks to economical and rapid advances in the electronics industry, the best solution often involves a combination of purchased and modified or custom-built instruments integrat-

ed into a complete solution.

Modern instruments often contain microcomputers and require programming.

Perry and Heidbreder have extensive experience in an array of programming languages.

Some of the team's recent projects include Internet-based embedded systems for controlling or monitoring experiments; specialized sensors for acquiring biological or environmental data; and motor or solenoid actuators to automate laboratory procedures.

For CID researchers, Heidbreder recently created a computer program that records the sound waves of patients with cochlear implants while they speak.

The Electronics Shop is located in Room 148 of the Shriner's Building, 4553 Clayton Ave. on the Medical Campus.

For more information, go online to electronics.wustl.edu or call Heidbreder at 362-2294 or Perry at 362-2595.

Hormone may reverse aging; new study needs volunteers

By GILA Z. RECKESS

Many small studies suggest that an over-the-counter dietary supplement called dehydroepiandrosterone (DHEA) may reverse several effects of aging. Now, University researchers are looking for volunteers to participate in the first large-scale, controlled study.

DHEA is a hormone normally produced by the body. Blood levels of DHEA are higher than any other hormone in the human body until about age 25, at which point levels begin to drop. By age 70, DHEA levels drop about 80 percent.

Many small-scale studies have therefore examined the effects of DHEA replacement later in life. Some results suggest DHEA pills prevent and reverse bone loss, help maintain immune function and decrease abdominal fat, a risk factor for diseases such as diabetes.

"Studies to date, though limited, imply that DHEA may be as effective as estrogen in preventing and reversing several key features of aging," said principal investigator John O. Holloszy, M.D., professor of medicine. "However, these findings need to be validated in large-scale, double-blind studies before DHEA can gain acceptance in the medical community."

The National Institute on Aging is funding three such studies, one of which is being led by Holloszy.

Individuals between 65 and 75 may be eligible. Participants may not have had prostate or breast cancer and are ineligible if they have had any form of cancer other than skin cancer in the past five years.

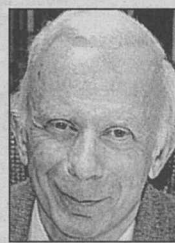
In addition, volunteers may not be taking insulin or other diabetes medication.

Interested individuals will receive a free comprehensive physical examination, including an electrocardiogram. Those who qualify for the study will receive additional free screening tests, including blood tests for diabetes and inflammation, bone density testing and fitness and diet evaluation.

Body scans also will be performed using magnetic resonance imaging, and participants will be asked to stay overnight at the Medical Campus for metabolic measurements, which reflect the number of calories burned under different conditions.

Participants will then be randomly assigned to take either a DHEA pill or a placebo pill once a day for one year. All tests performed at the beginning of the study will be repeated at the end of the study. Individuals given the inactive pill will have the option of receiving DHEA under medical supervision for the subsequent 12-month period.

All medical examinations and pills are free. For more information, call 362-2397.



Holloszy

Eberlein named editor of surgery journal

Timothy J. Eberlein, M.D., director of the Alvin J. Siteman Cancer Center, has been named editor in chief of the *Journal of the American College of Surgeons*.

The journal is a monthly peer-reviewed journal that publishes original contributions on all aspects of surgery and is the official scientific publication of the American College of Surgeons. It is one of the largest surgical journals in the world, with more than 66,000 subscribers.

"It is a tremendous honor to assume the leadership of the *Journal of the American College of Surgeons*," Eberlein said.

"The journal is approaching 100 years of publishing important findings that directly influence the science and art of surgery. The challenge for the journal, which represents the largest and most broadly based surgical organization, is to become even more meaningful for all our members and to do so in the context of the electronic age."

Since 1998, Eberlein has been the Bixby Professor and chairman of the Department of Surgery and the Spencer T. and Ann W. Olin Distinguished Professor. He also is surgeon in chief at Barnes-Jewish Hospital.

University Events

Bang on a Can All-Stars • Fashion Design Show

"University Events" lists a portion of the activities taking place April 30-May 13 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

Friday, April 30

6-8 p.m. M.F.A. Thesis Exhibit. Works by graduating Master of Fine Arts candidates. Des Lee Gallery, 1627 Washington Ave. 935-4643.

Continuing

150 years **History of Adult Education at Washington University, 1854-2004.** Through May 31. January Hall, Rm. 20. 935-4806.

150 years **Influence 150: 150 Years of Shaping a City, a Nation, the World.** Becker Medical Library. 362-7080.

150 years **New Beginnings: The First Decade of the Washington University Medical Campus, 1915-1925.** Through May 31. Glaser Gallery, Becker Medical Library, 7th Fl. 362-4236.

Lectures

Friday, April 30

8 a.m. Radiation Oncology Lecture. Annual James A. Purdy Medical Physics Lecture. "Tomotherapy and Beyond" Thomas R. Mackie, prof. of medical physics, human oncology and engineering physics, U. of Wisc. Barnes-Jewish Hosp. Bldg., Steinberg Amp. 362-2866.

9:15 a.m. Pediatric Grand Rounds. "Modeling Tuberous Sclerosis Complex in the Brain." David Gutmann, prof. of neurology. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Seminar. "Structural Studies of Signaling Proteins With RGS Homology Domains." John J. G. Tesmer, asst. prof. of chemistry & biochemistry, U. of Texas. McDonnell Medical Science Bldg., Rm. 426. 362-1668.

12:30-4:30 p.m. St. Louis STD/HIV Prevention Training Center CME Course. "STD Update." Cost: \$70. (Continues 12:30-4:30 p.m. May 7 & 14.) U. of Mo.-St. Louis, S. Computer Bldg., Rm. 200A. To register: 747-1522.

4 p.m. Music Lecture. "Take Them for True: Exotic Facts and Fictions in Berlioz's *The Adventures of Vincent Wallace in New Zealand*." Inge VanRij, prof. of music, Victoria U., New Zealand. Music Classroom Bldg., Rm. 102. 935-4841.

Saturday, May 1

7:30 a.m.-Noon. Gastroenterology/Medicine CME Course. "Liver Disease: Therapeutic Challenges 2004." Cost: \$125. The Ritz-Carlton, St. Louis, 100 Carondelet Plaza. To register: 362-6891.



Hands-on fun At left, Andrew Waggoner, 10, son of Scott Waggoner, facility and service coordinator in the Office of Residential Life, gets pointers from Mimi Locher, visiting assistant professor in the School of Architecture, in the "Sticks and Stones" program, part of "Take Our Daughters and Sons to Work Day" April 22. And at right, Megan Laverdure, 10, daughter of Mike Laverdure, a mechanic in facilities, gets her fingerprints taken by Detective Bob Marbs of the Washington University Police Department in the "Be Safe" program, hosted by the WUPD. The University had 110 children participate in this year's Take Our Daughters and Sons to Work Day, an annual, national event. Children had several options for spending their day in various discussions or programs. Included on the agenda were discussions led by the Campus Y; The Career Center; the departments of Physics and Earth and Planetary Sciences, both in Arts & Sciences; and the Department of Civil Engineering.



Monday, May 3

Noon. Center for the Study of Nervous System Injury Seminar. Jorge Ghiso, assoc. prof. of pathology, N.Y.U. Maternity Bldg., Schwarz Aud. 362-9460.

Noon. Molecular Biology & Pharmacology. "Ras Signaling and Growth Control." Dafna Bar-Sagi, prof. of molecular genetics & microbiology, State U. of N.Y. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

4 p.m. Immunology Research Seminar Series. "Regulation of Immune Cell Functions by Novel Adaptor Molecules." André Veillette, adjunct prof. of immunology, Clinical Research Inst. of Montreal. Eric P. Newman Education Center. 362-2763.

Tuesday, May 4

Noon. Molecular Microbiology &

Microbial Pathogenesis Seminar Series. "IL-4 Enhancement of Poxvirus Lethality, Implications for Smallpox." R. Mark Buller, prof. of molecular microbiology & immunology, Saint Louis U. Cori Aud., 4565 McKinley Ave. 747-2132.

Noon. Program in Physical Therapy Research Seminar Series. "Diabetic Osteopenia: Is It a Regional or Systemic Complication?" David R. Sinacore, assoc. prof. of physical therapy and of medicine. 4444 Forest Park Blvd., Rm. B108/B109. 286-1404.

Wednesday, May 5

1-3 p.m. Academic Publishing Services Course. "Strategies for Successful Grant Proposals." (Also 1-3 p.m. May 12.) Cost: \$60. Special rates available. Moore Aud., 660 S. Euclid Ave. To register: 362-4181.

4 p.m. Biochemistry & Molecular Biophysics Seminar. "Importance of Ground State Conformations and Transition State Stabilization in Enzymatic Reactions." Thomas Bruce, prof. of chemistry & biochemistry, U. of Calif., Santa Barbara. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, May 6

Noon. Genetics Seminar Series. Maynard Olson, prof. of genome sciences and of medicine, U. of Wash. Cori Aud., 4565 McKinley Ave. 362-2139.

4 p.m. Ophthalmology & Visual Sciences Seminar. "Viscoelastic Properties of the Ocular Lens." Nathan V. Ravi, assoc. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-1006.

Friday, May 7

Noon. Gastroenterology Research Conference. "The Search for Liver Progenitor Cells Using Gene Expression Profiling." Gretchen J. Darlington, prof. of pathology, molecular genetics and cell biology, Baylor College of Medicine. Clinical Science Research Bldg., Rm. 901, David H. Alpers Conference Rm. 362-2031.

Saturday, May 8

8:30 a.m.-1 p.m. Program in Physical Therapy Research Seminar. "Patient Case Reports Utilizing Taping Techniques for Treatment." Debbie McDonnell, instructor in physical therapy. 4444 Forest Park Blvd., Rm. B112. 286-1404.

How to submit 'University Events'

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

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

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

Monday, May 10

Noon. Center for the Study of Nervous System Injury Seminar. "NK Cells Mediate Immunomodulatory Effects of IL-2R Alpha-Targeted Therapy in Multiple Sclerosis." Bibi Bielekova, neuroimmunology branch, National Institutes of Health. Maternity Bldg., Schwarz Aud. 362-9460.

Noon. Molecular Biology & Pharmacology Seminar. "Regulation of Gene Expression by MyoD: How Does a Single Transcription Factor Orchestrate a Complex Program of Gene Expression?" Stephen J. Tapscott, prof. of human biology, Fred Hutchinson Cancer Research Center. South Bldg., Rm. 3907, Philip Needleman Library. 362-0183.

4 p.m. Immunology Research Seminar Series. "New Structural Paradigms in Cytokine and Neurotrophin Receptor Activation." K. Christopher Garcia, asst. prof. of microbiology & immunology and of structural biology, Stanford U. Eric P. Newman Education Center. 362-2763.

Tuesday, May 11

Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series. "Structural Approaches to Bacterial Pathogenesis." C. Eric Stebbins, asst. prof. & head, lab. of structural microbiology, Rockefeller U. Cori Aud., 4564 McKinley Ave. 362-6772.

Wednesday, May 12

4 p.m. Biochemistry & Molecular Biophysics. "Metallobiochemistry: A Nickel Tour." Michael Maroney, prof. of chemistry, U. of Mass., Amherst. McDonnell Medical Sciences Bldg., Erlanger Aud. 362-0261.

Thursday, May 13

4 p.m. Molecular Biology and Pharmacology Lecture. David M. Kipnis Lecture. "Chemical Tools for the Analysis of Cellular Signal Transduction." Kevan Shokat, prof. of cellular and molecular pharmacology, U. of Calif., San Francisco. (3:45 p.m. refreshments.) Moore Aud. 286-0119.

Music

Wednesday, May 5

8 p.m. Recital. "Romanticism on Original Instruments." Christine Busch, violin, Seth Carlin, fortepiano. Ridgley Hall, Holmes Lounge. 935-4841.

On Stage

Sunday, May 2

8 p.m. OVATIONS! Bang on a Can All-Stars with Philip Glass & Terry Riley. Cost: \$28, \$23 for seniors, students, WUSTL faculty and staff, \$14 for WUSTL students and children 12 and under. Edison Theatre. 935-6543.

Friday, May 7

8 p.m. Washington University Opera. Scenes from Verdi's opera *La Traviata*. Jolly Stewart, dir. Umrath Hall Lounge. 935-6543.

Sports

Saturday, May 1

2 p.m. Softball vs. Greenville College. WUSTL Field. 935-4705.

Tuesday, May 4

2 p.m. Baseball vs. Greenville College. Kelly Field. 935-4705.

And more ...

Sunday, May 2

8 p.m. School of Art Fashion Show. "The Know Show: The 75th Annual Fashion Design Show." Cost: \$50, \$25 for students. Saint Louis Galleria. 935-9090.

Campus Watch

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

April 22

5:13 p.m. — A University staff member reported that an unknown person had entered her vehicle through a broken driver's-side door. The vehicle was parked in the paved lot at the intersection of Forsyth Boulevard and Hoyt Drive. She reported that her driver's-side door lock had been punched out two weeks ago.

April 25

11:48 p.m. — An unknown person kicked in a door panel on the southeast side of the Arts & Sciences Laboratory Science Building. No other damage was noted.

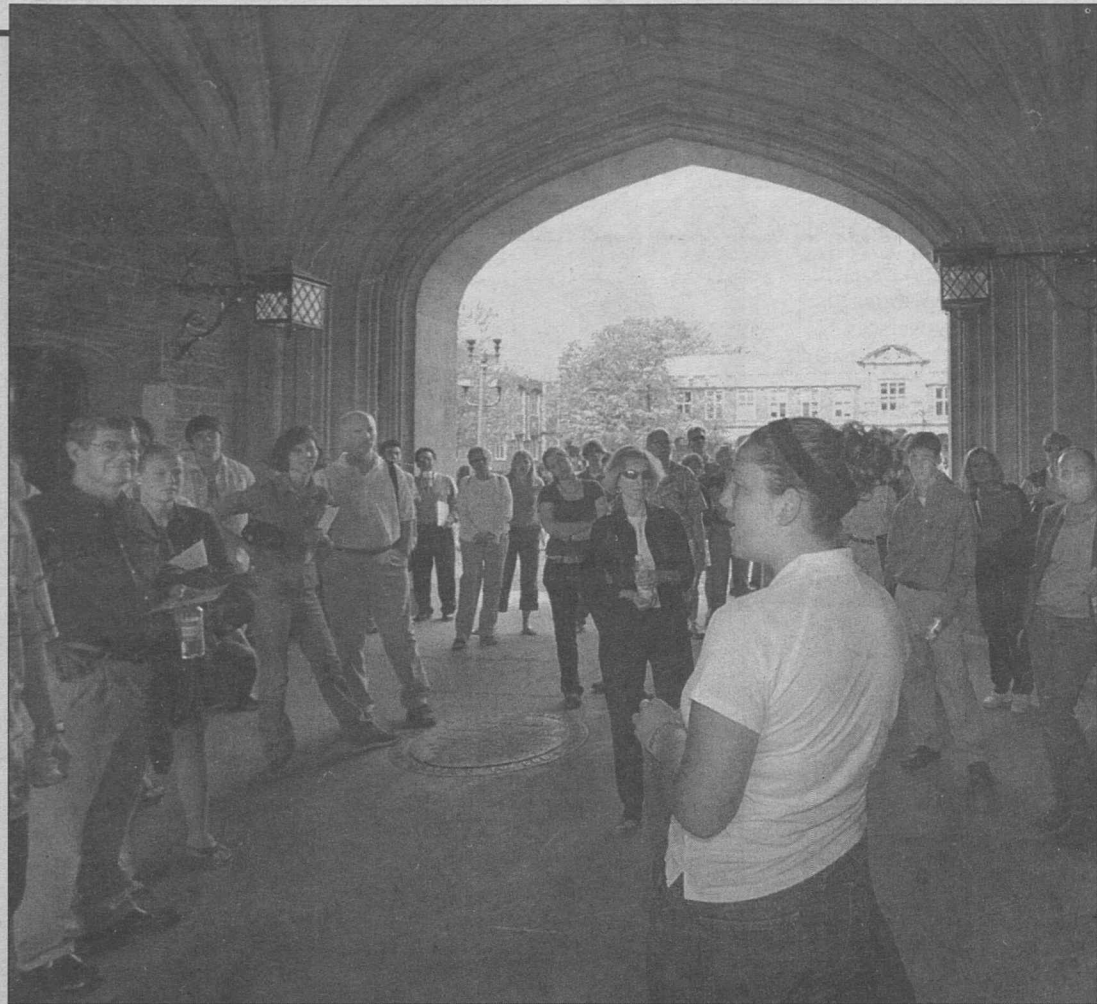
April 26

9:44 a.m. — An unknown person stole a laptop computer from Lien Residence Hall.

9:45 a.m. — An unknown person gained entry into a vehicle parked in the Millbrook Garage and opened the glove box. The person then stole a gas credit card and made charges totaling \$168.87.

5:13 p.m. — A person stated that between 3:53-5:10 p.m., an unknown person entered his vehicle through an open window and stole his briefcase, which was in the front seat. The briefcase contained a laptop computer, checkbook and collapsible keyboard for his cell phone.

Additionally, University Police responded to three reports of property damage, two administrative reports and one report each of fire alarm, noise disturbance, suspicious person, larceny and telephone harassment.



Welcome to my home ... and maybe yours? Jenny BenEliyah, a sophomore in Arts & Sciences, leads a tour of the Hilltop Campus for prospective students during the April Welcome activities. More than 1,000 high-school seniors, plus additional high-school juniors and sophomores, will have visited the University in April. Many seniors visited for special programs such as the annual Celebration Weekend or other recruitment programs hosted by the Office of Undergraduate Admissions and the undergraduate schools. In April, the admissions office has been open seven days a week and conducted multiple daily tours.

Early Romantic music to be featured in concert

The Department of Music in Arts & Sciences will present a free recital of early Romantic music featuring German violinist Christine Busch and Seth Carlin, professor of music, at 8 p.m. May 5 in Holmes Lounge.

A renowned Baroque violinist, Busch will bring her skills as a period-instrument performer. She will play a violin with gut, rather than metal, strings.

Carlin will perform on a fortepiano that is a copy of an instrument by the Viennese piano-maker Conrad Graf, who built pianos for Beethoven and for the

wedding of Robert and Clara Schumann.

Busch and Carlin will perform *Three Romances, op. 21* of Clara Schumann, a leading 19th-century pianist and composer. Ludwig van Beethoven's *Sonata for Violin, op. 96* and Franz Schubert's *Fantasy in C Major for Violin, D. 934* are also on the program.

Busch studied violin in Freiburg, Germany, and in Vienna. She has appeared as soloist with the music ensembles Deutsche Bachsolisten and Concentus Musicus of Vienna, directed by Nikolaus Harnoncourt, as well as

with the Chamber Orchestra of Europe, conducted by Claudio Abbado.

Her recordings include Johann Sebastian Bach's *Brandenburg Concertos and Sonatas for Violin*.

Carlin frequently performs the music of Haydn and Mozart and other composers of the Classical era on fortepiano. In 1992-93, he performed the complete cycle of keyboard sonatas by Schubert on fortepiano in both St. Louis and New York.

The University event is open to the public. For more information, call 935-4841.

Sports

Women's track wins fifth straight UAA title

The women's track and field team won its fifth straight University Athletic Association Outdoor Championship April 25 at Carnegie Mellon University in Pittsburgh. The Bears finished the meet with 204.50 points, well ahead of Emory University (181). The men took second place with 194 points, just shy of Emory's 205. The women have won the past 10 UAA track and field titles — five indoor and five outdoor.

Junior Hallie Hutchens entered the day with the top preliminary times in the 100 and 400-meter hurdles, and she continued that trend in the finals. Hutchens won both events, clocking a 14.64 (NCAA "B" cut) in the 100 hurdles and a 1:03.88 in the 400 hurdles. For her efforts, Hutchens, a seven-time UAA outdoor champion, earned UAA Female Athlete of the Year accolades.

Freshman Dalaina Martin also left her mark on the rest of the field, winning the women's discus. Martin's mark of 36.76 meters helped her earn UAA Female Rookie of the Year honors. Senior Lindsey Clark-Ryan took home the triple jump title with a leap of 11.30 meters. WUSTL also won the 400 and 1,600-meter relays.

WUSTL's men also turned in some impressive performances,

highlighted by the Bears' two individual UAA titles. Senior Darius Viet clocked a 9:15.42 in the 3,000-meter steeplechase, and sophomore David Skiba accomplished a similar feat in the 400-meter hurdles. Skiba took first place with a time of 52.86.

Sports shorts

The No. 12 **women's tennis** team fell to No. 1 Emory, 9-0, April 25 in the finals of the UAA Championships in Rochester, N.Y. Junior Sara Kabakoff nearly pushed her match at No. 6 singles to a third set. After dropping the first frame 6-0, Kabakoff forced a tiebreaker in the second set but fell 7-6 (0). The loss was just her second in 22 dual matches. She is 26-2 this season. The Bears reached the finals after cruising through the quarterfinals and semifinals. WUSTL upended the University of Rochester, 9-0, on the first day of competition and followed that with a 6-3 win against Brandeis University in the second round. WUSTL (19-4) finished second in the UAA for the ninth straight time.

The No. 11 **men's tennis** team lost to Emory, 4-1, in the UAA Championship finals April 25 in Rochester, N.Y. Sophomore Ari Rosenthal continued his strong play, picking up the only point of the day for the Bears. Rosenthal defeated EU's Tyson Ramsey, ranked No. 9 in Division III, at

No. 2 singles by a 6-0, 7-5 margin. The win was Rosenthal's 14th straight in singles play. WUSTL advanced to the championship by ousting Rochester, 4-3, in the semifinals and Case Western Reserve University, 6-1, in the first round.

The No. 3 **softball** team suffered its second loss of the year with a 4-3 setback at Maryville University on April 23. The game was a continuation from April 9 with the score tied at 3 in the top of the sixth. After a scoreless sixth inning, junior Liz Swary walked for the fourth time to lead off the seventh. Freshman Laurel Sagartz sacrificed Swary to second and sophomore Stephanie Sheppard doubled off the center-field wall, but Maryville's relay throw was perfect and Swary was gunned down at the plate. Sheppard was then thrown out trying to advance to third to end the inning. Then, after an infield hit, passed ball and sacrifice, Kendra Campbell singled home the winning run with one out in the bottom of the seventh.

The **baseball** team knocked off Eureka College, 8-2, April 22 in Eureka, Ill., behind senior Steve Schmidt's three-hitter. Schmidt allowed just two unearned runs to improve his ERA to a team-best 3.88.

Sagasta wins Steedman architecture fellowship

BY LIAM OTTEN

New York architect Mariano Sagasta has won the University's 2004 Steedman Fellowship in Architecture International Design Competition.

The biennial competition, which is open to young architects from around the world, carries a \$30,000 first-place award to support study and research abroad — the largest such award in the United States. Sagasta, who earned a bachelor of architecture degree from the University of Buenos Aires in 1999, was chosen from a field of 130 architects representing nine countries.

This year's competition focused on the area surrounding the intersection of Brentwood Boulevard and Interstate 64 (Highway 40), particularly the sites occupied by the southern and eastern parking lots of Saint Louis Galleria.

Architects were charged with developing conceptual plans that could accommodate 1,400 cars while adding 50,000 square meters of retail space, including one 4,000-square-meter anchor store, restaurants totaling 2,000 square meters and a 50-room hotel.

The program also called for 10,000 square meters of landscaping that would include areas for basketball, roller-skating, jogging and other activities.

"By making St. Louis a focus of attention for emerging talents from around the world, we hope to spark a new and creative conversation about our region and to generally broaden the sense of what is possible here," architecture Dean Cynthia Weese said.

Jury chair Adrian Luchini, the Raymond E. Maritz Professor of Architecture, added, "The current conditions of mid-size American cities show symptoms of development that are not always positive. The object of the Steedman competition was to propose alternative projects to those typically demanded by developers and

delivered by large, 'expert' architectural offices."

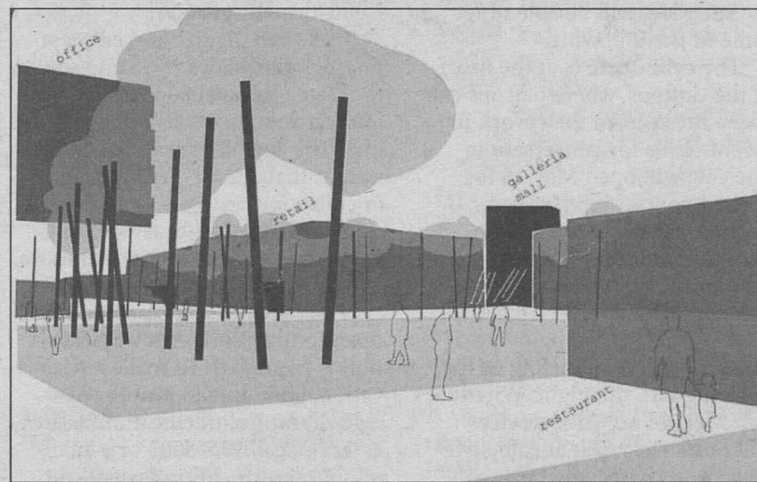
Sagasta's winning design focused on the generation of public spaces "as the foundational act of architecture." Brentwood Boulevard would be fronted with parks and landscaping — which would also serve to insulate the new development from street noise — while a new pedestrian corridor would contain an outdoor theater to house activities and sports. Parking facilities would be moved underground.

In addition to Luchini, jurors were Steve Cassell, principal of the New York firm Architecture Research Office; Douglas Garofalo, principal of Garofalo Architects in Chicago; Hakon Vignaes, the Ruth and Norman Moore Visiting Professor of Architecture and a principal of Jarmund-Vignaes Architects in Oslo, Norway; and Bill Wischmeyer, adjunct associate professor of architecture.

The jury awarded one second-place prize to Daniel Festag of Chicago, who earned a degree in architecture from the Bauhaus University in Weimar, Germany, in 2000. Festag will serve as an alternate in the event that Sagasta is unable to fulfill the obligations of the fellowship. Honorable mentions were awarded to 2002 alumnus Sasa Oroz, as well as Jane Kim of New York; Erkin Ozay of Cambridge, Mass.; and Jared Winchester of Albuquerque, N.M.

Granted since 1925, the Steedman fellowship is supported by an endowment given to the School of Architecture in honor of James Harrison Steedman, who earned a degree in mechanical engineering from Washington University in 1889 and was killed in active duty during World War I. The memorial was established by Steedman's widow, Alexander Weddel, and Steedman's brother, George.

For more information about the Steedman fellowship, go online to www.arch.wustl.edu/news_sc.lasso.



New York architect Mariano Sagasta's design for the sites occupied by the southern and eastern parking lots of Saint Louis Galleria won the University's 2004 Steedman Fellowship in Architecture International Design Competition. Architects were charged with developing conceptual plans that could accommodate 1,400 cars while adding 50,000 square meters of retail space, including one 4,000-square-meter anchor store, restaurants totaling 2,000 square meters and a 50-room hotel.

Record

Founded in 1905
Washington University community news

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Danforth

Ensured WUSTL's place as a world-class institution

— from Page 1

School of Medicine faculty. From 1965-1971, he served as vice chancellor for medical affairs and as president of the Washington University Medical Center.

He chaired the Board of Trustees from 1995-99.

Danforth took his family's deep belief in education and public service to heart, and his giving and community-service record demonstrates his extraordinary support to the St. Louis region and beyond.

His grandfather founded Ralston-Purina, as well as the Danforth Foundation, which has generously supported education. The largest gift to the Campaign for Washington University, \$100 million, was a lead gift from the Danforth Foundation that supported a range of needs campus-wide.

Danforth's mark has been made throughout the University's campuses.

The Eliot Society created its highest level of membership in

his honor. He and his wife, Elizabeth "Ibby," have contributed thousands of hours of service to the University and to its students, faculty and the academic enterprise, in addition to their formal duties.

Beloved by students, he united the University community during a critical period of campus unrest and promoted academic excellence while increasing the endowment elevenfold. Danforth's skillful mediation and determined leadership ensured the University's place as a world-class institution.

Danforth earned a bachelor's degree from Princeton University in 1947 and a medical degree from Harvard Medical School in 1951.

He did his advanced medical training at Barnes Hospital and is a member of the Institute of Medicine.

The Eliot Society, named after the University's co-founder, was established in 1959. Its 3,900 members are alumni, parents and friends who provide unrestricted support to the University.

In addition to the dinner and awards program, Eliot Society members heard a talk by Robert Ballard, the scientist, explorer and deep-sea expert best known for his discovery of the *Titanic* in 1985.

Library

Rededication attendees can view new features

— from Page 1

center to support digital projects and instruction;

- reconfiguring the interior for better visibility and convenience;
- moving the main entrance to the south side of the building;
- upgrading the HVAC and electrical systems;
- replacing virtually all of the furniture in the building; and
- preserving the architectural integrity of the award-winning building.

Now it has been completed, and an open house and tours of the library will follow the ceremony to show off the work.

Attendees will be able to see some of the following:

The **cyber café** is at the heart of the campus, where patrons can take a break from their work or meet friends for conversation. The café will open May 10 for limited hours, then be open 24/7 starting in the fall.

The café is surrounded by glass on all sides and an atrium overhead. It will offer a place for meeting friends, for enjoying a snack while cyber-surfing or for studying into the night. Wired and wireless network service will be at every seat at café-style tables and chairs, and cozy, soft

armchairs.

Food service and vending service will provide coffees, soft drinks and snacks. A University Police substation across the hall will provide security.

The **Ginkgo Reading Room** is the formal living room where the library can host exhibits, lectures, orientations and receptions. When not in use for those events, it's open for study.

Display cases in the reading room feature exhibits and samples from the library's collection. The room features wood paneling and a fireplace with a limestone and marble mantle, which was originally in one of the pavilions at the 1904 World's Fair.

And **the Arc** is a technology center that's unlike anything the library has had before. The Arc is a place where students, faculty and staff can learn about and use sophisticated software.

Users can digitize and edit text, photographs, slides, VHS and sound to create multimedia presentations, interactive tutorials or course modules. The Arc offers seating configurations that allow either individual or collaborative work.

It replaces the library's old PC Lab, but is a much larger and more ambitious facility.

The rededication ceremony is open to the public, but a reservation is requested. To make a reservation, go online to aisweb.wustl.edu/alumni/olindedication.nsf/reservation, call 935-8003 or e-mail olinlibrarydedication@wustl.edu.

served as a teaching assistant for one of Arvidson's classes.

In addition to her academic contributions, she is the founding chair of Geodysey (an earth & planetary sciences and geology club at the University), and is president of the Outing Club.

As a freshman, she recognized a need for a new type of orientation program, and led the development of the Wilderness Project, an outdoors experiential learning program for freshmen.

Galford's fellow University students voted her peer adviser of the year. She has learned Spanish to facilitate her work as a field supervisor for a developmental organization in Paraguay and Swahili to be able to converse with her African guide while tracking elephants in Tanzania.

Cookies

University's generosity 'has been overwhelming'

— from Page 1

Olin Library, and John Morschl, a cast technician in orthopaedic surgery, are serving overseas. As a result of efforts coordinated by Edwards, both Pruitt and Morschl now receive University care packages that include everything from cookies and brownies to magazines, toiletries, Frisbees and puzzles.

"I have a 'care package' box that sits in our offices and, like magic, it fills up with snacks, toiletries, etc.," Edwards said. "The generosity of the Washington University community has been overwhelming."

"Since early March, we have been able to send 464 pounds of home-baked goods, snacks, toiletries, as well as many other needed and fun supplies to both Afghanistan and Iraq. Each package contains a postcard with a picture of Brookings Hall or an American flag on it stating that these gifts of appreciation are from employees at Washington University in St. Louis."

And as one would expect, everything is very much appreciated in the barren and volatile landscape of Iraq and Afghanistan.

"(I) just wanted to say thanks again," said Pruitt in a recent e-mail to Edwards. "I talked to some of the guys in my unit, and they also told me to tell you thank you, for all that you all are doing. I look forward to meeting you when I return back to lovely WashU."

The response of the University community has been so strong that Edwards' care package box always has something in it.

"Most times, I don't even know where all the donations come from, but we frequently receive donations from employ-



COURTESY PHOTO

Jill Edwards (left), office supervisor in the University's administrative offices, and her sister Sue Kohn have sent 464 pounds of goods since early March to troops overseas.

ees in the Alumni House, human resources, the Department of Biology, North Brookings Hall, the Campus Bookstore and the Olin School of Business," Edwards said.

"We have so many donations that we are able to send care packages to other military personnel, including a chaplain that oversees an 'oasis,' which is a coffee bar, open 24 hours a day, seven days a week and serves 1,200 soldiers."

Edwards said that she is coordinating a mailing for a group of female soldiers.

"I learned from Maj. Kristine Burnett that one of the things the women miss is color in their sur-

roundings," Edwards said. "Everything around them is olive-drab green, so she sent me a fun list, and a group of Washington University women is coming together to collect items to add some color to the military women's tents."

Regardless of what the care packages are filled with, the service personnel let Edwards' know how much they appreciate being remembered.

"It will be great when there is no longer a need to send care packages because everyone is safe at home," Edwards said. "But until that happens, we'll continue to send the packages."

Tyson

Program fills key gap in science education

— from Page 1

more than 10,000 pre-K-12 students for educational outdoor experiences. Through a special agreement, more than 20 percent of these students are from St. Louis Public Schools.

"Many children, especially those from urban districts, have never visited a wild, natural environment," said Marty Galganski, TFSP coordinator.

A former faculty member in the WUSTL and Maryville University education departments, Galganski is assisted by instructors Jane Walker, Emily Whitney and Joe Nydegger.

The TFSP mission is to stimulate discovery and enhance a sense of wonder about the environment through outdoor activities for pre-K-12 students. The program seeks to lay a foundation for students to investigate scientific questions and make informed decisions about the natural world.

It fills an important gap in science education for students of diverse ages and experiences.

"The Tyson Field Science Program is an example of cross-department collaboration within Arts & Sciences," said Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences.

"This program combines expertise from the departments of Biology and Education. It is also

one of many endeavors at Tyson that shows the value of an urban university having a field station so convenient to our campus and the city."

This past academic year, the TFSP has continued providing high-quality, hands-on outdoor science education programs to St. Louis-area students. Repeat business and positive feedback from teachers and parents indicate many people are touched by and value the experiences at Tyson.

The program has increased its audience in recent years, thanks to support from the Gaylord Foundation and the Friends of Tyson.

In July 2001, the TFSP became a part of Science Outreach, a biology department program that seeks to enhance the teaching of hands-on science in K-12 schools through teacher-professional development programs.

"The merger has allowed the field science program to develop its working relationships with area teachers," said Victoria May, director of Science Outreach. "While people know the program as an exceptionally rich resource for children, this past year we continued to develop our vision to extend the programming to teachers."

The TFSP is involved in graduate courses and professional development for teachers through two National Science Foundation-funded projects at the University: The St. Louis Math and Science Partnership (funded through Science Outreach) and the Center for Inquiry in Science Teaching and Learning (CISTL, funded through the education department).

In summer 2003, five teachers and five high-school students did CISTL-funded internships in inquiry-based ecology education. In addition, 20 teachers involved with CISTL participated in staff development programs at Tyson.

These programs and others will continue this summer. The TFSP also initiated new programs for teachers and students last year.

"We piloted a unique science program for middle-school teams to integrate grade-level content in history, geography and sometimes math or language arts, with a field experience in ecology or geology," Galganski said.

Current research in environmental action spurred the development of a parent-child program to be piloted in September, Galganski said.

"Adults who identify themselves as active environmentalists, when asked what occurred influenced them, most often referred to experiences in nature with a mentor as a turning point," she explained. "We believe that parent-child bonding in a natural setting may be laying the groundwork for future adults who will care for the environment."

"However, children who have a one-time visit to a nature preserve as a part of a field trip often return with a greater dislike for nature than before they left. How this research impacts our future is leading our staff into new avenues of reading and discussion."

"We want to move forward in new ways, such as building connections to teacher-professional development and offering multiple-visit programs."

"We're not just field trips for kids anymore."

Women

Galford learned Spanish and Swahili

— from Page 2

which combines case studies, scientific research and fieldwork with classroom study.

Her research as part of the Pathfinder Program has ranged from a study of geochemical dating and mineral distribution mapping of the Kilauea lava flow, to lithologic mapping of the Mojave Desert, to the biogeomorphology of the Lower Missouri River floodplain, to elephant migration mapping in Tanzania, to work on the Missouri Space Grant Consortium funded by NASA.

She has co-authored several scientific publications and

Notables



Medical student Edy Yong Kim (left) receives a Sesquicentennial Ethic of Service Award from James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences. Kim was one of six University community members to be honored for their outstanding character of service to the St. Louis region.

Initial Sesquicentennial Ethic of Service Awards honor six

BY NEIL SCHOENHERR

Sesquicentennial Ethic of Service Awards were presented to six members of the University community in an April 22 ceremony at Whittemore House.

The awards are intended to treasure the influence St. Louis has on the University and to honor University community members who believe in and shape the future of our region.

This is the first year the awards were presented. They will be given annually to a select group of University community members who exemplify a character of service and giving to the St. Louis region.

This year's recipients were seniors Juliet DiLeo and Linda Esah; Edy Yong Kim, an M.D./Ph.D. student in the School of Medi-

"We aimed to bring together a diverse group of honorees from across the University community, and I think they demonstrate the many different routes to service we can all take."

STEPHANIE KURTZMAN

cine; G. Scott Robinson, systems programmer in the University's Division of Computing & Communications; alumnus Sanford Silverstein; and W. Edwin Dod-

son, M.D., associate vice chancellor and associate dean for medical school admissions and financial aid and for Continuing Medical Education, and professor of pediatrics and neurology.

"This award was designed to highlight the good work being done by members of the University community in their service to St. Louis, and to inspire continued contributions to our region," said Stephanie Kurtzman, coordinator for community service and chair of the award committee.

"We sought a 'character' of giving rather than counting hours served, numbers of board positions, etc.

"We aimed to bring together a diverse group of honorees from across the University community, and I think they demonstrate the many different routes to service we can all take."

For more information on the award and the honorees, go online to ethicsofservice.wustl.edu.

Pake memorial scheduled May 1

A memorial service for George E. Pake, a former professor and provost and an emeritus trustee, will be at 10 a.m. May 1 in the Women's Building Formal Lounge.

Pake died March 4 at the age of 79.

For more information, call 935-5105.

Walker memorial service is May 6

A memorial service for Robert M. Walker, Ph.D., professor of physics in Arts & Sciences and a faculty fellow of the McDonnell Center for the Space Sciences, will be at 4 p.m. May 6 in Graham Chapel.

A reception will follow in the Women's Building Formal Lounge.

Walker died Feb. 12 in Brussels, Belgium. He was 75.

For more information, call 935-6257.

Gibson is co-recipient of George book award

BY GERRY EVERDING

Overcoming Intolerance in South Africa: Experiments in Democratic Persuasion, a book co-authored by James L. Gibson, Ph.D., the Sidney W. Souers Professor of Government, is co-recipient of the first Alexander L. George Book Award from The International Society of Political Psychology (ISPP).

The book also is the subject of an "author meets critics" panel discussion at the national conference of the Midwest Political Science Association April 15-18 in Chicago.

Published in 2003, the book is co-authored with Amanda Gouws, professor of political science and head of that department at the University of Stellenbosch in Cape Town, South Africa.

The ISPP is a worldwide, interdisciplinary organization of psychologists, political scientists, psychiatrists, historians, sociologists, economists, anthropologists, journalists and government officials interested in exploring relationships between political and psychological processes.

The ISPP book award will be given at the organization's 27th

annual scientific meeting July 15-18 in Lund, Sweden.

Describing the book as "an outstanding piece of research and writing that exemplifies the best of contemporary work in the field of political psychology," the ISPP awards committee credited its authors with making broad, relevant contributions, both within the discipline and to the public understanding of critical issues facing South Africa.

"Not only is *Overcoming Intolerance in South Africa* among the comparatively small (but growing) number of works in political psychology that investigate

public opinion outside the United States," the committee noted, "the subject of tolerance has considerable policy relevance, at a time when emerging democracies are trying to cope with ethnic polarization, transitional justice and related aspects of trenchant political conflict."

"The book challenges assumptions that have been taken for granted about the psychology of tolerance and intolerance. The authors place their study in historical context and do not try to reduce fear and intolerance to individual pathology."



Gibson

Tenures, promotions announced

At recent Board of Trustees meetings, the following faculty members were appointed with tenure or promoted with tenure effective July 1, 2004, unless otherwise noted.

Appointed with tenure

• **Anjan V. Thakor**, to professor of finance in the Olin School of Business (July 1, 2003)

• **Robert W. Gereau IV**, to associate professor of anesthesiology (March 5, 2004)

Promoted with tenure

• **Joseph O. Deasy**, to associate professor of radiation oncology (July 1, 2003, with tenure effective Sept. 19, 2003)

• **Yousef Abu-Amer**, to associate professor of orthopaedic surgery (Dec. 5, 2003)

• **Brian F. Gage**, to associate professor of medicine (Dec. 5, 2003)

• **David S. Gierada**, to associate professor of radiology (Dec. 5, 2003)

• **Daniel C. Link**, to associate professor of medicine (Dec. 5, 2003)

• **Alan Shiels**, to associate

professor of ophthalmology and visual sciences (Dec. 5, 2003)

• **Joan L. Luby**, to associate professor of psychiatry (child psychiatry) (Jan 1, 2004)

• **Gaetano Antinolfi**, to associate professor of economics in Arts & Sciences

• **Eric A. Brown**, to associate professor of philosophy in Arts & Sciences

• **Garrett A. Duncan**, to associate professor of education and associate professor of African and Afro-American Studies, both in Arts & Sciences

• **Andrea S. Friedman**, to associate professor of history in Arts & Sciences

• **Andrew D. Martin**, to associate professor of political science in Arts & Sciences

• **P.B. Seetharaman**, to associate professor of marketing in the Olin School of Business

• **William D. Shannon**, to associate professor of biostatistics in medicine

• **Jin-Yu Shao**, to associate professor of biomedical engineering in the School of Engineering & Applied Science

ArtSci faculty awards presented

BY NEIL SCHOENHERR

The ArtSci Council's 2003-04 Faculty Awards Recognition Ceremony was held April 13 in the Women's Building Formal Lounge.

Each year, all Arts & Sciences undergraduates are asked to nominate a professor, dean or teaching assistant who has "gone above and beyond what is expected to make (their) experience at Washington University meaningful."

A committee of six ArtSci Council students chooses 10 awardees.

This year's winners, all from Arts & Sciences, are: Lisa Campbell-Albert, part-time facul-

ty member in the Department of Music; Elizabeth Childs, Ph.D., associate professor of art history; Darla Dale, Ph.D., assistant dean and lecturer in archaeology;

Peter Kastor, Ph.D., assistant professor of history and assistant director of American Culture Studies; Richard A. Loomis, Ph.D., assistant professor of chemistry; Virginia S. Marcus, senior lecturer of Japanese language; Elizabeth Oyler, Ph.D., assistant professor of Japanese language;

Dolores Pesce, Ph.D., professor of music; Satadru Sen, Ph.D., assistant professor of history; and Edward L. Spitznagel, Ph.D., professor of mathematics.

Introducing new faculty members

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

Jose Bermudez, Ph.D., joined the Department of Philosophy in Arts & Sciences as professor and director of the Philosophy-Neuroscience-Psychology Program. He earned a Ph.D. from Cambridge University in 1992. He was formerly chair of the philosophy department at the University of Stirling, Scotland. He is a member of the McDonnell Project on Philosophy and Neuroscience. His research concerns nonlinguistic thought in children and animals, as well as the nature of self-consciousness.

Dennis Des Chene, Ph.D., joined the Department of Philosophy in Arts & Sciences as professor. He earned a Ph.D. from Stanford University in 1987 and a B.A. from the University of Washington in 1980. He has held faculty positions at Emory University and Johns Hopkins University. His research is primarily in early modern philosophy, with

a special focus on Descartes.

Ethan Bueno de Mesquita, Ph.D., joined the Department of Political Science in Arts & Sciences as assistant professor. He earned a B.A. in political science from the University of Chicago in 1996 and a Ph.D. in political science from Harvard University in 2003. His primary research interests are terrorism, formal approaches to comparative legislative and electoral institutions, game theory, electoral reform, the economics of religion, law and economics, and Israeli politics.

David Park, Ph.D., joined the Department of Political Science in Arts & Sciences as assistant professor. He earned a B.S. in aerospace engineering from the University of Maryland in 1989 and a Ph.D. in political science from Columbia University in 2003. His main substantive areas of interest uses both quantitative and qualitative methods to explore the linkages between mass behavior to political institutions, policymaking and the larger body of democratic theory.

Washington People

In an age of globalization, local character turns up in surprising places.

Take the suburbs.

"It's very easy to say that the world is being Americanized," says Jacqueline Tatom, D.Des., assistant professor of architecture, whose comparative study of the peripheries of Lyons, France, and Boston was recently published in *Suburban Form: An International Perspective*. "Many new building typologies in suburbs around the world are very similar and were often first built in the U.S."

"But if you compare suburban landscapes in different countries over time, you discover that development never happens in quite the same way and doesn't produce quite the same kind of city. There are very deep-seated cultural predilections at work that mediate global trends."

Tatom, who also is director of the Master of Urban Design (MUD) Program, is uniquely suited to explore how cultural attitudes shape development. Born in Morocco to an American father and European mother, she was raised in Europe; studied in Austin, Texas; Paris; and Boston; and has practiced in Paris; Douala, Cameroon; and New York.

"Jacqueline approaches contemporary urban design with a distinctively international perspective," architecture Dean Cynthia Weese says. "Issues of transportation, infrastructure, de-urbanization, revitalization and environmental sustainability — these are topics that are really only beginning to be studied as global phenomena."

Always drawing

Tatom moved frequently as a child. Her father, a civil servant working for the U.S. Army, was transferred from Texas to Morocco, France and finally



Jacqueline Tatom, D.Des., assistant professor of architecture and director of the Master of Urban Design Program, works with architecture graduate student William Wells in a Givens Hall studio. "Jacqueline approaches contemporary urban design with a distinctively international perspective," Dean Cynthia Weese says.

Urban design program

The desire to examine American cities on their own terms also fuels Tatom's leadership of the MUD Program, one of just a handful nationally to focus on ordinary and ubiquitous

American urban conditions and to include landscape architecture and infrastructure design in its curriculum.

Founded in 1962 during the heyday of urban renewal, the MUD is among the nation's oldest urban design programs.

Yet just as American cities have continued to evolve, so too has the MUD, which now explores entire "metropolitan landscapes." That shift reflects increasingly blurred distinctions between 'urban' and 'suburban.'

St. Louis County, for example, contains many high-density pockets, while parts of historic St. Louis are virtually suburban in layout and scale.

"We are interested in exploring new kinds of public spaces that correspond to the way people live today in our car culture," Tatom explains. "Today, watershed boundaries are perhaps as important as municipal boundaries in shaping planning and design decisions."

Offered as a stand-alone post-professional degree and in conjunction with the graduate architecture degree, the MUD is organized around core seminars and designs studios. Tatom's introductory "Elements of Metropolitan Design" class has examined St. Louis-area sites such as The Galleria, Ballas Road and Swansea, Ill.

Studios by other MUD faculty have explored redevelopment of local malls; the Missouri-Mississippi river confluence; California's Central Valley; and light-rail corridors in Austin and Queens, New York.

"In architecture schools, the design studio is both a place of professional apprenticeship and theoretical research," Tatom says. "Specific programs provide opportunities for students to develop conceptual skills under the guidance of professors who are at the same time clarifying their own thinking about issues."

For instance, raw data for Tatom's work on de-urbanization was largely generated through her "De-urbanization/Re-urbanization" studio. Over the past four years, the studio, which she has taught at both graduate and undergraduate levels, has mapped distribution of vacant lots and buildings in St. Louis' North Central Neighborhood.

"Many areas are simply written-off as 'blighted,' but the reality is much more complex," Tatom notes, adding that many streets remain intact physically and socially, even areas with high vacancies.

"We use empirical tools to find out what is actually taking place, then students explore alternative scenarios of re-investment, or even continued dis-investment, through the design process. For me, this interface between education, research and practice is very rewarding, and one of the key contributions the University can make to the design professions."

"Everything I'm doing stems from a fascination with how cities change in response to cultural change," Tatom summarizes. "My work is partly empirical, partly propositional, very much about finding the right words to describe the new landscapes we live in."

Though some things — technology, capital investments — change very quickly, "what really interests me are things that change very slowly, such as the 'waking dreams' that inform decisions people make about their environments, or the character and topography of the natural landscape, which impacts the way an urban area develops for centuries."

"These are, for me, the roots of a sense of local identity, of place."

Exploring public spaces

Jacqueline Tatom serves as director of the Master of Urban Design Program in the School of Architecture

Germany.

As Tatom finished high school, her father retired to Austin, and she began studying architecture at the University of Texas.

"I was always drawing as a child, and every time we moved, I'd build a cabin or create a special room for myself in the new house," she recalls. "And like many young people, I wanted to make a difference in the world. Architecture was a good fit."

After two years in Austin, Tatom returned to France, and in 1980 she earned the title of Architect DPLG, the French professional degree. She began working for Bouygues, one of France's largest construction/engineering firms.

Tatom worked on projects in Paris, Nigeria and Algeria for Bouygues, and in 1984 she spent several months with a Cameroonian architecture firm before returning to the United States.

She settled in New York and worked with Gruen and Associates, developing a proposal for the Weehawken, N.J., waterfront; and then at Studio for Architecture, where she met her husband, Paul Naecker.

In 1986, she became an associate at SITE Projects Inc., the design office founded by artist James Wines and partners.

"I think I really became an architect during my four years at SITE," Tatom muses. "I was given a lot of responsibility. James would hand over conceptual sketches and let us, the architects, translate SITE's ideas and sensibilities into built works."

Tatom describes several projects she oversaw as "installation art writ large," memorably the Allsteel furniture showroom.

"We stripped office-furniture pieces to their steel skeletons, then bolted them upside down on the ceiling in typical office layouts," she recalls. "The design saved space in the showroom; showed

off the furniture as solid and well-made; and created a strong presence that enhanced the identity of the company."

"It was also a wonderfully subversive critique of the corporate world."

Mapping evolutions

SITE's use of narrative content and fascination with the generic proved deeply influential; it contributed to Tatom's own interest in finding meaning in ordinary urban landscapes, outside the great cities in which she'd been living.

After 10 years of professional practice, she also wanted to teach.

So, in 1990 she enrolled in Harvard University's Graduate School of Design, studying with noted urbanist (and future dean) Peter Rowe, whom she says "opened my eyes to the research possibilities of the suburbs, what he called 'the middle landscape.'"

At Harvard, Tatom began mapping the respective evolutions of Lyons and Boston over the past 200 years, with particular focus on highway corridors and surrounding suburbs. She was struck by certain similarities — as well as profound differences — resulting from specific cultural, topographical and ecological conditions.

In plan, new suburban developments in both cities "look the same, with looped cul-de-sacs, wide lots, houses with attached garages," Tatom notes. Yet where Americans maintain a "common landscape" of manicured lawns, the French plant tall, privacy-protecting hedges.

"On the surface it's a minor thing," she says, "but it completely changes the character of the subdivisions and the relationships between neighbors. It creates a very different kind of everyday landscape."

Tatom earned a master's of architecture in urban design with distinction in 1992 and pursued research on Lyons to obtain a doctorate of design in 1995, six months after the birth of her daughter.

After graduation, she served as a research fellow at Harvard's Unit for Housing and Urbanization; was principal instructor of urban design for Harvard's Career Discovery Program; and taught briefly at the University of Texas.

She became a visiting professor at Washington University in 1997 and assistant professor in 1999. In 2000, she was named co-director, with Assistant Professor Tim Franke, of the MUD Program and has been sole director since Franke's departure last year.

Tatom's ongoing research focuses on developing methodological tools to represent and interpret the form of today's cities. Since coming to St. Louis, she has been mapping de-urbanization in the city's core and has presented her findings at several conferences.

Her research on urban highway design — an offshoot of her work on suburban highway corridors — will be published in the forthcoming anthology *Landscape Urbanism: A Reference Manifesto*.

"Highways are used by the public, funded by the public and built on public land," Tatom explains. "They should be thought of as public space."

She points to historical precedents such as New York's Riverside Drive or Boston's The Fens, which integrate transportation and infrastructure with housing, public institutions and recreation.

"Today, architects in Barcelona think of highways as completing the city, rather than ripping it apart," she says. "Many sections of their recently built beltway are decked to provide community spaces."

With Associate Professor Eric Mumford, Ph.D., Tatom recently organized two symposiums on "Design, Modernity and American Cities." Participants, bridging practice and scholarship, sought to move "beyond criticism and nostalgic solutions" to address "unique aspects of American culture and political economy." The proceedings are being edited for publication.

Jacqueline Tatom

Family: Husband, Paul Naecker; daughter, Theresa-Anne Naecker, 9

Education: Diplôme d'architecture DPLG, Unité Pédagogique d'Architecture N. 1, 1980; master of architecture in urban design, Harvard University Graduate School of Design, 1992, with distinction; doctorate in design, Harvard Graduate School of Design, 1995

Hobbies: Traveling with family, cooking, gardening, dance and yoga