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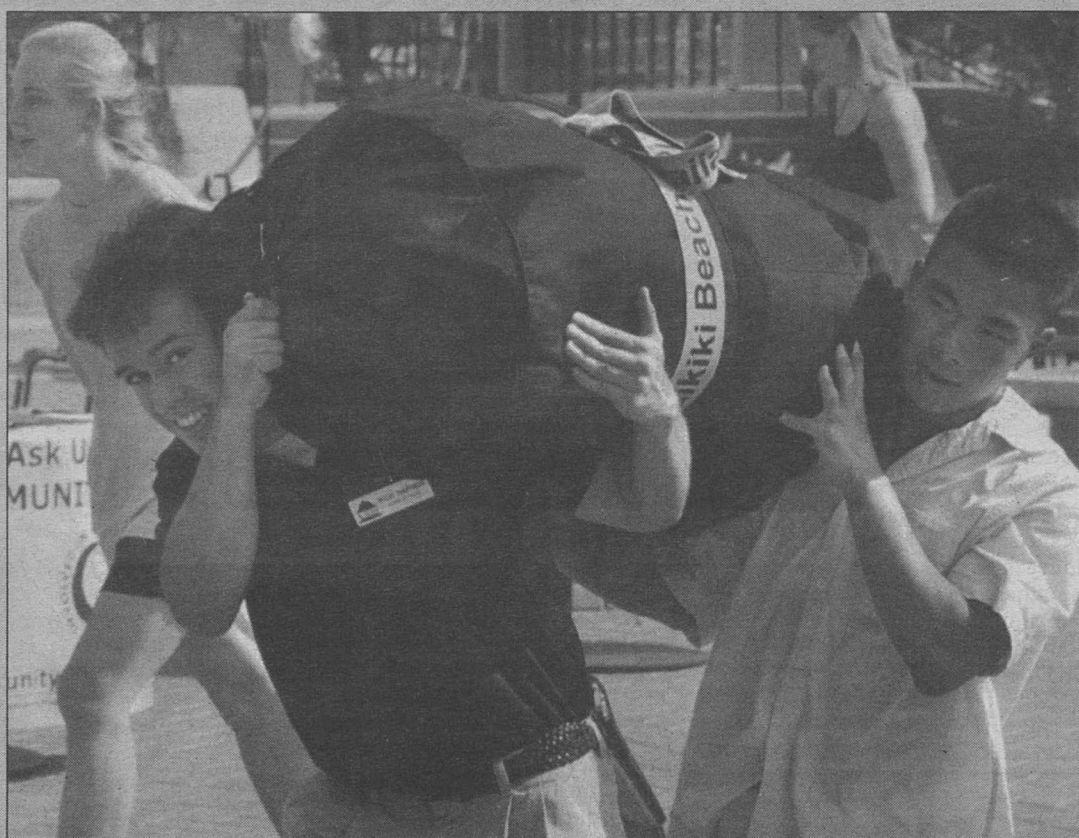
Record

Aug. 30, 2002

Volume 27 No. 1



Washington University in St. Louis



JOE ANGELES

Welcome to your new home

Above, Rich Harmon (left) of the Congress of the South 40 helps first-year student Aarin Yu carry a bag to Danforth House Aug. 22, while at right, resident adviser Colleen Hogan (left) gives first-year student Fernando Castro a key to his room in Eliot Residence Hall. Undergraduate classes began Aug. 28.



JOE ANGELES

Ensuring fairness

Task force to review grievance procedure

By NEIL SCHOENHERR

Chancellor Mark S. Wrighton has appointed a 14-member Task Force on Undergraduate Grievance Procedures.

The task force, chaired by Joel Seligman, J.D., dean of the School of Law and the Ethan A.H. Shepley University Professor, will review a fair and accurate way for students to file grievances.

"From time to time, there has been some concern from undergraduates about the formal grievance process," Seligman said. "While there are several University committees that are authorized to hear formal student complaints about particular forms of discrimination, we are hoping to create a standardized and fair way for those grievances to be filed."

The task force, which includes faculty and student members from each of the five Hilltop Campus schools with undergraduate degree programs, is charged with reviewing existing University and school policies and to recommend any additions or improvements to those policies.

The objective is to assure that appropriate options are available to undergraduate students with discrimination grievances against faculty members.

"The University's Policy on



Seligman

Inside

List of Task Force on Undergraduate Grievance Procedures members. **Page 4**

Academic Freedom, Responsibility and Tenure emphasizes each faculty member's responsibility to treat students in an even-handed manner to avoid discrimination or discriminatory harassment," Wrighton said. "I believe the University's faculty is committed to these principles of professional judgment and non-discrimination. Nonetheless, there are

instances when a student believes that a faculty member has acted in a discriminatory fashion.

"While the University has procedures available for addressing such concerns, most of these procedures have not been reviewed or updated for many years. It also appears that many of our under-

graduates are not aware of the options available to them, and that our procedures could do more to encourage the prompt resolution of claims of discrimination."

Wrighton encouraged task force members to seek the views of members of the University community — students, faculty

See **Task force**, Page 4

Truman, Dyke receive NSF grant to spark K-12 learning

By TONY FITZPATRICK

Interest in science and mathematics among elementary, middle and high school students will be stimulated this fall by graduate students using hands-on, experiment-based projects funded by the National Science Foundation's (NSF) Graduate Teaching Fellows in K-12 Education (GK-12) program.

NSF will provide \$21 million in three-year grants that will enable about 300 talented graduate and advanced undergraduate students in science, mathematics, engineering and technology to share their enthusiasm for learning by serving as teaching fellows in 18 states from Maine to California.

Kevin Z. Truman, Ph.D., professor and chair of civil engineering, and Shirley J. Dyke, Ph.D., associate professor of civil engineering, will oversee a three-year, \$1,363, 281 grant.

Under GK-12, institutions are responsible for recruiting fellows from their campuses. Graduate students in the program receive annual stipends of \$21,500, plus a cost-of-education allowance.

Undergraduate students receive as much as \$5,000 per academic year, plus up to an additional \$5,000 for teaching and other activities during the summer.

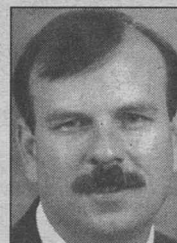
The University's fellows will work at Gateway Technical Middle School in St. Louis and at Steger Sixth Grade

Center in Webster Groves, Mo. Most projects will be engineering, though mathematics, physics, chemistry, biology and computer visualization will be stressed in approaching the engineering problems.

"Everyone involved in this grant will benefit in some manner," Truman said.

"Washington University will be able to attract high-quality graduate researchers. The graduate researchers will be able to gain nearly free education while learning how to teach and interact with grade-school children. The grade-school teachers will gain a better understanding of engineering, help develop engineering-based labora-

See **Teaching**, Page 6



Truman



Dyke

Architecture Monday-night talks to feature Correa, Olin

By LIAM OTTEN

Charles Correa, perhaps India's foremost contemporary architect, and Laurie Olin, one of the United States' best-known landscape designers, will headline the School of Architecture's Monday Night Lecture Series this fall.

The series features 11 speakers — both established masters and emerging talents — from Australia, Canada, Finland, Holland, India, Japan and across the United States.

All lectures are free and open to the public and begin at 7 p.m. Mondays in Steinberg Auditorium in Steinberg Hall, unless otherwise noted. A reception for each speaker will be held prior to the talk at 6:30 p.m. in Givens Hall.

Hisao Kohyama, professor and former dean of architec-

See **Architecture**, Page 6

H. pylori's bacterial-host relationship emphasized by study

By DARRELL E. WARD

The bacterium that causes stomach inflammation, peptic ulcers and gastric cancer thrives in the human stomach by triggering changes in stomach cells and using those changes to its own advantage, report School of Medicine and Swedish researchers in a study appearing in a recent issue of *Science*.

The study suggests a dynamic



Berg

pylori lead first to mild inflammation. As the inflammation occurs,

and constantly evolving relationship between bacteria and host.

Researchers found that stomach infections caused by the bacterium *Helicobacter*

cells lining the stomach produce a specific kind of sugar molecule and display it on their surface.

Normally, that sugar, known as sialyl-di-Lewis x (sLex), serves as a flag to attract immune cells to the infection site. The worse the inflammation, the more sLex the cells display.

Investigators also discovered that *H. pylori* latches onto the new sugar using a previously unknown bacterial adhesin pro-

tein, enabling the bacteria to draw closer to the stomach cells, presumably where more nutrients are available. This worsens the inflammation and further increases the amount of sLex on the stomach cells.

Some of the bacteria, which are loosely attached, may then move slightly away from the cells, avoiding destruction by immune cells that are attracted to the

See **Bacterium**, Page 3

Junior Ernst reaches for the STARS

Local program gives students taste of real scientific research

By CAROLYN JONES OTTEN

You may not see her star on the Delmar Loop's Walk of Fame (yet), but junior Laura Ernst, a double major in drama and biology, both in Arts & Sciences, has already done much to make her hometown proud.

The St. Louis native is one of a new generation of scientists-in-training who have benefited in recent years from the rise of intensive summer programs that give St. Louis high school and even college students a taste of real scientific research as opposed to the "cookbook" experiences of many laboratory classes.

"I have found the St. Louis area to be incredibly encouraging in my scientific career path, primarily because of our strong science fairs and the St. Louis-based corporations such as Monsanto and Solutia that support them," said Ernst, who plans to attend graduate school in plant science and one day teach and conduct research at the university level. "I have also been lucky to have so many opportunities to participate in scientific programs thanks to leaders in the St. Louis community that are dedicated to exposing students to science and research."

Still, a love affair with science usually begins early in life. Ernst's mother, Leona, a music teacher, always supported her daughter's interests and began encouraging her to enter science fairs in grade



Junior Laura Ernst, a double major in drama and biology, holds a vial of plant tissue samples from which she extracts ions to measure potassium content. Ernst is a participant in Students and Teachers As Research Scientists, a unique local program that draws on the faculty and resources of Washington University, Saint Louis University and the University of Missouri-St. Louis.

school.

Later, as a high school junior at the Ursuline Academy in Oakland, Mo., Ernst developed a serious interest in science through an independent-study class taught by Marie Sherman, whose enthusiasm Ernst recalls as "contagious."

The following summer, Ernst and Sherman spent six weeks participating in STARS (Students and Teachers As Research Scientists), a unique local program that draws on the faculty

and resources of Washington University, Saint Louis University and the University of Missouri-St. Louis.

Co-sponsored by the National Science Foundation and Solutia, STARS combines classroom learning with hands-on laboratory experiences by pairing students and teachers with faculty researchers. In addition, the program aims to educate students about the broad range of professional opportunities that a degree

See STARS, Page 5

Zayas named Khinduka distinguished professor

By JESSICA N. ROBERTS

Luis H. Zayas, Ph.D., has been appointed the inaugural Shanti K. Khinduka Distinguished Professor of Social Work, Chancellor Mark S. Wrighton announced in a recent letter to the George Warren Brown School of Social Work community.

This distinguished professorship in honor of Khinduka has been established by an anonymous donor. Khinduka, Ph.D., the George Warren Brown Distinguished University Professor, has served as professor and dean of GWB since 1974.

Zayas, a licensed clinical psychologist and certified social worker, comes to GWB from the Graduate School of Social Service at Fordham University.

"I am grateful that Professor Zayas has made the commitment to join us here at Washington University," Wrighton said. "This new professorship will enable us to honor and celebrate two great members of our community and two distinguished leaders in social work education and research."

In addition to his work as a professor, Zayas served as director and principal investigator for the Center for Hispanic Mental Health Research, a National Institute of Mental Health-funded social work research development center created to conduct research on Hispanic mental-health needs, service delivery and treatment approaches and to train faculty researchers.

He also was the director of Predoctoral Research Training in Minority Mental Health, a National Institute of Mental Health National Research Service Award to train doctoral students in minority health research.

Zayas earned a bachelor's degree in liberal arts from Manhattan College. He earned master's degrees in social work and developmental psychology and a doctorate in developmental psychology from Columbia University.

Zayas' scholarship focuses on child socialization and parent-child interaction, child and adolescent mental-health and

treatment, ethno-racial minority mental health and intervention research.

During his more than 25 years in the fields of social work and psychology, Zayas has conducted individual and family therapy in child and adolescent psychiatric clinics and primary care clinics. Zayas has applied his experience to the study of child and adolescent mental health, parent-child relations, parents' child-rearing behavior, Hispanic and minority mental health, family functioning, and alcohol use among minority men.

In addition to his numerous awards and research grants, Zayas is an editorial board member for the *Journal of*

Social Service Research and is the author of various chapters and journal articles related to his research.

Zayas is a fellow of the American Orthopsychiatric Association and a member of the American Psychological Association, the

American Public Health Association, the Association of Hispanic Mental Health Professionals, the National Association of Social Workers, the Society for Social Work and Research and the Society for Research in Child Development.

During Khinduka's tenure, one of the longest for a social work dean and the longest of a dean currently serving the University, the school has risen to one of the top-ranked institutions of social work in the country and has become a model for cutting-edge research and innovative curriculum.

"Dean Khinduka has led the school with wisdom, creativity, sensitivity and dedication for more than one-third the life of the school," Wrighton said. "He has contributed to developing the finest school of social work in the world, and this stems in large measure from having recruited the finest faculty. Thus, a professorship in honor of Dean Khinduka is most fitting. I am deeply grateful to our generous and thoughtful donor for such a meaningful contribution."

A formal installation ceremony for Zayas will take place this fall.



Zayas

"I am grateful that Professor Zayas has made the commitment to join us here at Washington University. This new professorship will enable us to honor and celebrate two great members of our community and two distinguished leaders in social work education and research."

MARK S. WRIGHTON

PICTURING OUR PAST



Al Parker (1906-85), a 1928 graduate of the School of Art, was one of the most successful and influential illustrators of the 1940s, '50s and '60s. He defined the progressive look of illustration from the 1940s through the '60s, and created an idealized reflection of the baby boom generation with his series of covers for *Ladies' Home Journal*, in which mother and daughter wear matching outfits and enjoy life together. Parker's innovative point of view always made his work stand out from that of other illustrators, and he constantly varied his style and mediums to best fit the requirements of the assignment. His pictures were full of personal touches, using carefully selected props and gestures in a manner that invited a closer look. He also was a trendsetter; his models were depicted in the latest fashions, inspiring his readers to follow.



Treasuring the Past
Shaping the Future

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

Record

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Washington University in St. Louis

School of Medicine Update

New signaling pathway may be linked to movement disorders

BY DARRELL E. WARD

Though previous evidence points to the contrary, scientists have discovered that the protein known as fibroblast growth factor 14 (FGF14) may not actually behave like a growth factor.

The research, published in a recent issue of *Neuron*, suggests that FGF14 is involved in transmitting signals from one nerve cell to another and may help regulate walking and other movements. Therefore, the protein could be linked to movement disorders such as Parkinson's and Huntington's diseases.

"We believe we have found a new signaling pathway in the

brain," said study leader David M. Ornitz, M.D., Ph.D., professor of molecular biology and pharmacology. "Once we learn what FGF14 does at the molecular level, we may uncover a new mechanism for regulating nerve cell function."

The study is the first to examine the role of FGF14 in living animals and could provide new targets for testing future drugs designed to treat movement disorders and seizures, said Ornitz, who also leads the cancer and developmental biology program at the Alvin J. Siteman Cancer Center at Barnes-Jewish Hospital and the School of Medicine.

Ornitz and the team of investigators developed a strain of

mice lacking the gene for FGF14. They expected these mice to have brain abnormalities and to possibly die before birth.

Surprisingly, the mice seemed physically healthy and lived relatively normal lives, though most were about 15 percent underweight after two weeks of age.

But the young mice did develop coordination problems and abnormal posture. Compared with normal mice, the genetically altered animals walked sluggishly and shuffled and had reduced muscle strength. They also were less sensitive to stimulants and were more prone to drug-induced seizures.

The investigators also examined the animals' brains. When

they disabled the gene for FGF14, the team had ensured that a fraction of the protein remained intact and replaced the rest with a protein that appears blue when exposed to certain chemicals.

This marker molecule revealed that FGF14 was found primarily in three regions of the mouse nervous system: the cerebellum and basal ganglia in the brain and the motor tracts of the spinal cord. All three areas are involved in regulating movement. The basal ganglia, in particular, are affected by Parkinson's disease and other movement disorders.

Surprisingly, FGF14 fragments also showed up in the long projections, the axons, of the nerve cells.

"This tells us that FGF14 rec-

ognizes the machinery that transports material down the axon to the area of the synapse, where nerve impulses jump from one neuron to the next," Ornitz said.

What it does at the synapse is a question Ornitz plans to investigate next. He speculates that FGF14 could signal the formation or release of neurotransmitters, modulate electrical signals or mechanisms that transport electrical signals or regulate the transport of molecules down the axon.

"Any number of things are possible," he said.

One thing is certain, though. "It's pretty clear now that FGF14 is not a growth factor," he stressed.

Grant funds studies, new Molecular Imaging Center

BY DARRELL E. WARD

David R. Piwnica-Worms, M.D., Ph.D., professor of radiology and of molecular biology and pharmacology, has received a five-year, \$9.4 million grant from the National Cancer Institute to establish a molecular imaging center at the School of Medicine.

"The goal of the Molecular Imaging Center is to translate the knowledge gained from molecular and genome research into improved care for cancer patients," said Piwnica-Worms, who will direct the center. "We want to combine the latest imaging technologies with the power of molecular biology."

Molecular imaging, a newly emerging area of medicine, is an outgrowth of the field of radiology. Whereas radiology is the imaging of tissues, organs or the entire body to detect disease, molecular imaging works at the level of cells, genes and proteins. It detects changes in how proteins or other kinds of molecules are metabolized by cells.

Positron emission tomography (PET) is one example of molecular imaging technology

already in use. PET studies are planned in the grant, for instance, to detect the activity of a protein that pumps anticancer drugs out of tumor cells, rendering the drugs ineffective.

Patients in the study will be given a compound that contains a safe level of a radioactive label. The labeled compound is taken up more rapidly by tumor cells that lack the drug resistance pump and less by tumor cells with an overactive pump.

A PET-scan image can reveal these levels of uptake and elimination, thereby providing a non-surgical means of detecting the presence of the drug-resistance protein in the tumor. The goal of the study is to predict the effectiveness of certain chemotherapy drugs in patients with advanced lung cancer.

Investigators involved in the new Molecular Imaging Center will come from various medical disciplines, including chemists, molecular biologists, molecular imaging scientists and physician-scientists.

Galvin receives awards for dementia research

BY GILA Z. RECKESS

James E. Galvin, M.D., assistant professor of neurology, received three awards in recognition of his research on Lewy body dementia, the second-most common form of dementia after Alzheimer's disease.

Galvin received the Alene and Meyer Kopolow Award from the Barnes-Jewish Hospital Foundation at the inaugural annual awards ceremony sponsored by the University's new Center for Aging.

The award provides \$2,000 in recognition of exemplary achievement in geriatrics by junior faculty or trainees and honors the Kopolows' efforts to improve geriatric care by Barnes-Jewish Hospital and its physicians. The Kopolow award is not given annually but rather is bestowed upon a recipient only when achievement justifies the reward.

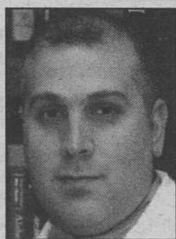
Galvin was also awarded the Paul Beeson Physician Faculty Scholars in Aging Research Award, which provides \$450,000

over three years to young physician-scientists.

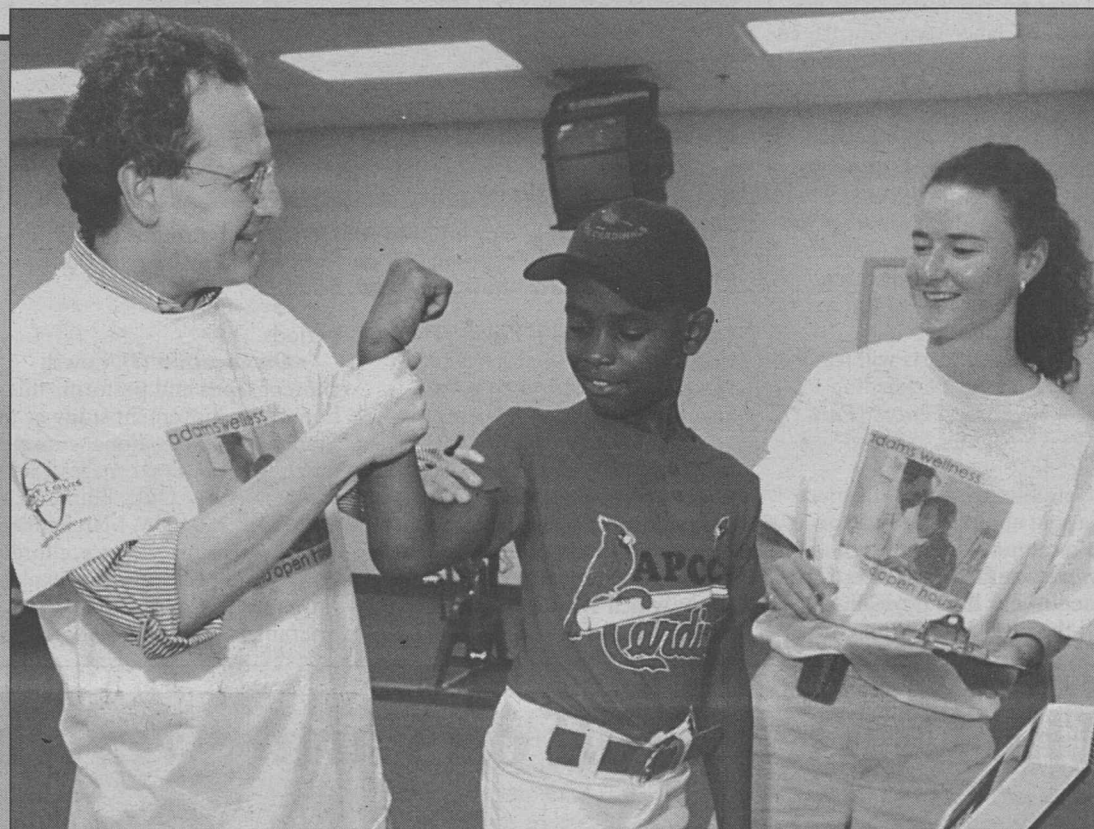
The program is administered by the American Federation for Aging Research and the Alliance for Aging Research and is dedicated to encouraging outstanding young clinicians to continue aging research, patient care and teaching. The Beeson award will support Galvin's research into the molecular mechanisms that underlie Lewy body dementia.

"Research of Lewy body diseases lags, in part due to the absence of reliable animal and tissue culture models that accurately recapitulate the pathologic features of the disease," Galvin said.

In addition, Galvin received a three-year, \$450,000 Mentored Clinical Scientist Development Award from the National Institutes of Health to investigate the clinical and pathological features of Lewy body dementias in an effort to improve the definition and diagnosis of this disease.



Galvin



The next McGwire? Samuel Klein, M.D., the Danforth Professor of Medicine and Nutritional Science and director of the Center for Human Nutrition, and research coordinator Jennifer McCrea offer health and exercise tips to 10-year-old Van Carter at the Adams Elementary School Wellness Fair Aug. 22. The fair, sponsored by the School of Medicine and other community organizations, stressed obesity prevention to parents and children of the Forest Park Southeast neighborhood. The medical school also distributed dozens of school supplies, T-shirts and prizes to students at the event.

Bacterium

Study co-authored by Berg published in *Science* — from Page 1

increasing display of sLex. The investigators believe that the degree of inflammation may then subside enough to allow those bacteria that closely move in again a good chance of surviving — and profiting — from the better-nutrient supply.

"These findings should improve our understanding of how *H. pylori* infection happens, how our immune system responds to it and how the bacteria cope with that response," said Douglas E. Berg, Ph.D., Alumni Professor in Molecular Microbiology and professor of genetics and co-author of the study. "We also hope that understanding how these adhesins work will lead to a vaccine against *H. pylori* infections and to new drugs to treat or diminish their severity."

The findings also could help explain why the stomach inflammation that often accompanies the infection periodically flares up, then subsides, and why the infection persists for so long, said Berg, who also is a member of the tumor immunology program at the Alvin J. Siteman Cancer Center at Barnes-Jewish Hospital and the School of Medicine.

"The ability of *Helicobacter pylori* to adjust its adherence properties to the level of inflammation it causes at the stomach surface could help explain how this bacterium maintains its persistent, decades-long infection in the stomach of millions worldwide," said lead investigator Thomas Borén, D.D.S., Ph.D., assistant professor of odontology and oral microbiology at Umeå University in Sweden.

In 1993, Borén, working in collaboration with researchers at Washington University, learned that *H. pylori* used a molecule known as Lewis B antigen (Leb) to adhere to stomach cells. This study was followed up in 1998 when a collaborative effort by Borén's and the University's team identified the attachment protein used by the bacterium, calling it Lewis B antigen binding adhesin (BabA).

Both findings also appeared in *Science*.

The present study began with the intriguing observation that a mutant *H. pylori* strain engineered to lack BabA still adhered to highly inflamed stomach tissue from an *H. pylori* infected person, but

could not adhere to healthy stomach tissue from an uninfected person. The bacterium, it seemed, had another adhesin, one that recognized a molecule associated with inflammation.

Further study revealed that the bacteria were binding to sLex antigen, which is rare on healthy cells but present on inflamed cells.

The investigators captured a fragment of the bacterial adhesin protein using a technique called receptor activity-directed affinity tagging, which they developed for the 1998 study.

They then determined the amino-acid sequence of this fragment and used that to identify the gene encoding the protein. They called the new bacterial protein sialic-acid binding adhesin (SabA).

The researchers then developed a strain of *H. pylori* that lacked the SabA gene and found that those bacteria were unable to adhere to inflamed stomach lining, confirming that SabA was responsible for the observation that triggered the study.

Book fair offers great deals Sept. 3-5

The Department of Central Administration in the School of Medicine will host a book fair from 10 a.m.-3 p.m. Sept. 3-5 on the second floor link of the Clinical Sciences Research

Building. With 30 percent to 75 percent off retail prices, you'll find *New York Times* best sellers, children's books, photo albums and more at bargain prices.

University Events

Faculty choreographers to present intimate *Dance Close-Up*

By LIAM OTTEN

Traditional African and Indian dances share the stage with jazz and modern works in *Dance Close-Up*, an intimate presentation of new and original choreography by faculty from the Dance Program in the Performing Arts Department in Arts & Sciences.

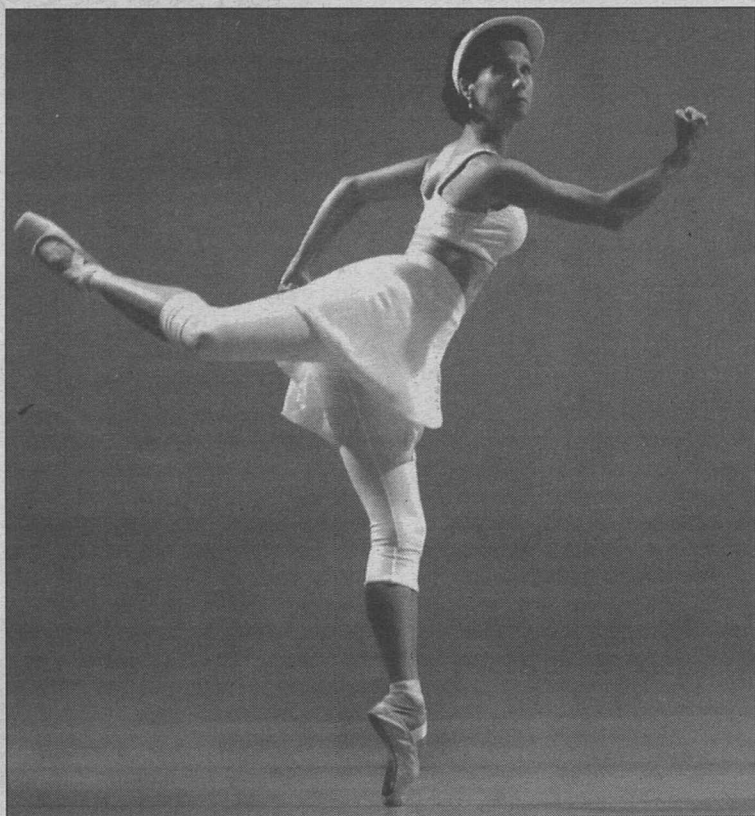
First held in 1995, the annual concert is widely considered the unofficial kickoff of St. Louis' professional dance season.

Performances begin at 8 p.m. Sept. 5-6 and at 6 p.m. and 9 p.m. Sept. 7 in the Annelise Mertz Dance Studio, located in Mallinckrodt Student Center, Room 207.

"*Dance Close-Up* is unique in St. Louis for representing such a breadth of dance styles in such an intimate setting," said artistic director Mary-Jean Cowell, Ph.D., associate professor and coordinator of the Dance Program. "It reflects the diversity of expertise in the Washington University dance faculty, which sees the concert as an opportunity to share our latest movement research with both students and the rest of the community."

In all, the concerts will feature 10 faculty artists performing 13 works, including *Fences (Part 1)* by Cecil Slaughter, artist-in-residence.

Slaughter describes the piece as "a solo about confrontation and resolution. Each of us decides how we want to handle the unexpected in our lives by dealing with the push and pull of emo-



Christine O'Neal, senior artist-in-residence and director of the University's Ballet Program, will perform *Miss Lily* as part *Dance Close-Up*, a faculty showcase Sept. 5-7.

tions tied to various events. The title indicates the borders which we confront and how to get around, over or under them."

Other dances include:

• **Miss Lily:** Christine O'Neal, senior artist-in-residence and director of the University's Ballet Program, choreographs and performs (on point) this character study, which synthesizes the dance styles of different historical

periods.

• **On Location (I):** Cowell choreographs and performs this humorous movement study of the "concrete and emotional consequences of confined spaces." Set to the music of Duke Ellington.

• **Slow:** David W. Marchant, senior artist-in-residence, choreographs and performs this "exploration of time and patience." Set to Franz Josef Haydn's *Adagio*

From *Quartet in E Op. 2 No. 2.*

• **Gbegbe and Mendiani:**

Diadie Bathily, adjunct instructor, is joined by drummers Adam Rugo, Roland N'Guessand, Sky Kingsland and Donna M. Hailstone for two traditional West African dances. Gbegbe is a funeral dance of the Bete people of the Ivory Coast. Mendiani is a popular dance of the Manika people of Upper Guinea.

• **El Polo:** Mercedes

Hernandez, adjunct instructor, performs this rare Spanish danza estilizada, or stylized dance, adapted from a work by the 19th-century composer Tomás Bretón.

• **Emptied:** Dawn Karlovsky, adjunct instructor, choreographs and performs this exploration of loss and hope.

• **Shiva:** Asha Prem, adjunct instructor, performs this traditional Indian piece, which embodies the dancer's longing to witness the dancing of the god Shiva, whose ankle bells make beautiful sounds.

• **Beyond:** Mary Ann Rund, adjunct instructor, choreographs and performs this solo, which examines "moments of direct communion between the inner spirit and the collective soul."

• **Tango and Viennese Waltz:** Estella and Randy Ruzicka, adjunct instructors, present a pair of romantic dances. Now synonymous with elegant evening wear, Tango originated in the bordellos of late 19th-century Buenos Aires, Argentina, and speaks to the sorrow, pain and power of love. Viennese Waltz, which dates from the early 18th century, stresses

Dance Close-Up

Who: The Dance Program in the Performing Arts Department in Arts & Sciences

What: New and original choreography by Dance Program faculty

Where: Annelise Mertz Dance Studio, Mallinckrodt Student Center, Room 207

When: 8 p.m. Sept. 5-6; 6 p.m. and 9 p.m. Sept. 7

Tickets: \$14; \$10 for University faculty and staff, students and senior citizens; \$6 floor-mat seating. Available through the Edison Theatre Box Office (935-6543) and MetroTix.

For more information, call 935-5858.

elegant, twirling movements and conveys the feeling of floating.

• **You Know What They Say:**

A structured improvisation by Karlovsky, Marchant and Rund based on "responding to touch and voice."

Tickets are \$14 for the general public and \$10 for University faculty and staff, students and senior citizens. Floor-mat seating — in keeping with the event's informal atmosphere — is available for \$6.

Tickets are available at the Edison Theatre Box Office (935-6543) and through all MetroTix outlets.

For more information, call 935-5858.

The Densest Stuff on Earth • Vertebrate Segmentation Clock

"University Events" lists a portion of the activities taking place at Washington University Aug. 30-Sept. 12. Visit the Web for expanded calendars for the Hilltop Campus (www.wustl.edu/calendar) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibitions

Friday, Aug. 30

Targets. Christian Jankowski, video artist. Through Dec. 8. Gallery of Art. 935-4523.

H.W. Janson and the Legacy of Modern Art at Washington University in St. Louis. Exhibition from the University collection. Through Dec. 8. 925-4523.

Lectures

Wednesday, Sept. 4

4 p.m. Physics colloquium. "The Densest Stuff on Earth: What We Have Learned

from the Relativistic Heavy Ion Collider." Barbara Jacak, professor of physics, State U. of N.Y. at Stony Brook. (Coffee, 3:30, Compton Hall, Rm. 245.) Crow Hall, Rm. 204. 935-6276

7:30 p.m. Visiting Artist Lecture Series. Christian Jankowski, video artist. Gallery of Art. 935-4523.

Thursday, Sept. 5

8 a.m. Cancer Research lecture. Rena Schechter Memorial Lecture in Cancer Research. "Kinase Inhibitors in Cancer." Charles Sawyers, prof. of medicine, UCLA. Clopton Aud., 4950 Children's Place. 454-8566.

4 p.m. Chemistry seminar. "TAP (Temporal Analysis of Products) Reactor Studies of Hydrocarbon Oxidation Reactions Over Heterogeneous Catalysts." John T. Gleaves, assoc. prof. of chemical engineering. (Coffee preceding.) McMillen Lab., Rm. 311. 935-6530.

4 p.m. Physics seminar. "Nuclear Spin Relaxation and Diffusion in Disordered and Complex Systems." Colin A. Sholl,

prof. of physics, U. of New England, Australia. (Coffee, 3:45 p.m.) Compton Hall, Rm. 241. 935-6276.

Monday, Sept 9

Noon. Molecular Biology and Pharmacology lecture. "New Insights into the Vertebrate Segmentation Clock." Olivier Pourquié, assoc. scientist, Stowers Inst. for Medical Research, Kansas City, Mo. South Bldg., Rm. 3907, The Phillip Needleman Library. 362-0183.

5:30 p.m. Radiology lecture. Annual G. Leland Melson Visiting Professorship and Lecture. "Microbubble Contrast Agents for Ultrasound: Their Role in the Imaging of Liver and Renal Masses." Stephanie Wilson, prof. of medical imaging, U. of Toronto. Scarpellino Aud., 510 S. Kingshighway Blvd., Lvl. 1. 362-2866.

Tuesday, Sept. 10

4 p.m. Anesthesiology Research Unit Seminar Series. "Fishing for Genes Controlling Hypoxic Cell Death." Michael Crowder, asst. prof. of anes-

thesiology. Clinical Sciences Research Bldg., Rm. 5550. 362-8560.

Thursday, Sept. 12

3 p.m. Siteman Cancer Center Basic Science Seminar Series. "Regulation of Skeletal Growth by Fibroblast Growth Factors and FGF Receptors." David Ornitz, prof. of molecular biology and pharmacology, Eric P. Newman Education Center. 454-8566.

4 p.m. Chemistry seminar. "The Structural Biology, Chemistry, and Physics of Vancomycin." Paul H. Axelsen, assoc. prof. of pharmacology and of medicine, U. of Penn. (Coffee preceding.) McMillen Lab., Rm. 311. 935-6530

Music

Tuesday, Sept. 3

8 p.m. Concert. Washington University Chamber Orchestra, Elizabeth MacDonald, dir. Music of Handel, Tchaikovsky, and Scriabin. Steinberg Hall Aud. 935-4841.

On Stage

Thursday, Sept. 5

8 p.m. Performing arts dept. performance. *Dance Close-Up*. Cost: \$14, \$10 for senior citizens, WU faculty, staff and students. (Also Sept. 6, 8 p.m., Sept. 7, 6 and 9 p.m.) Annelise Mertz Dance Studio, Mallinckrodt Student Center, Rm. 207. 935-6543.

And more...

Tuesday, Sept. 4

Noon-1 p.m. Toastmasters event. Washington University Toastmasters for Oratorical Readiness (WUTFOR). 4480 Clayton Ave, Rm. 1140A. 362-7003.

Tuesday, Sept. 10

8:30 a.m.-4:30 p.m. Center for the Application of Information Technology

How to submit 'University Events'

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

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

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

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

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

workshop. "The Politics of IT Project Management." (Continues Sept. 11. Also Sept. 12-13, Oct. 8-9, and Oct. 10-11.) Cost varies. CAIT, 5 North Jackson. 935-4444.

8 p.m. Writing Program Reading Series. Andrew Motion, Poet Laureate of Britain, biographer. Duncker Hall, Rm. 201. 935-7130.

Thursday, Sept. 12

7:30 a.m. Center for the Application of Information Technology Technical Breakfast Briefing. "Workflow & Groupware Technologies: Their Real Impact in the Workplace." Richard Echeandia, senior manager, Experio Solutions, Chicago. Open to CAIT members only. CAIT, 5 North Jackson. 935-4444.

8 p.m. Writing Program Reading Series. Poetry reading. Andrew Motion, Poet Laureate of Britain, biographer. Duncker Hall, Rm. 201. 935-7130.

Task force

To review undergraduate grievance procedures — from Page 1

and staff.

"The University procedure should, of course, be fair to all members of the community, including students and faculty members," Wrighton said. "Available options should include informal procedures that are accessible and flexible. The University's experience in other contexts suggests that informal, confidential procedures encourage people to come forward with their concerns and resolve them more quickly."

The task force will meet for the first time after Labor Day, and Seligman hopes to continue

Members of the Task Force on Undergraduate Grievance Procedures

Joel Seligman, J.D., dean of the School of Law and the Ethan A.H. Shepley University Professor; **Martin W. Cripps**, Ph.D., professor of economics and management, Olin School of Business; **Geoffrey E. Daush**, Ph.D., professor of computer science, School of Engineering and Applied Science; **Frederick Dickinson**, president of the architecture student group; **Maya Evans**, president of the Association of Black Students; **Lori E. Fox**, associate general counsel; **Iain A. Fraser**, director of the

undergraduate program, School of Architecture; **Lorraine A. Goffe-Rush**, director of employee relations; **Tracey A. Gunn**, student, Olin School of Business; **John L. Kardos**, Ph.D., the Lucy and Stanley Lopata Professor of chemical engineering, School of Engineering and Applied Science; **Jeffrey R. Lancaster**, student, School of Art; **Trudy Palmer**, assistant dean, Arts & Sciences; **Rachel Roberts**, Ph.D., associate professor of mathematics, Arts & Sciences; and **Sarah B. Spurr**, associate professor, School of Art.

to meet on a weekly basis. A preliminary report should be ready by the end of the fall semester, and

the new grievance structure is expected to be in place by next academic year.

Gallery of Art Book Fair launches new Friday series

By LIAM OTTEN

The Gallery of Art will hold its first Gallery of Art Book Fair from noon-8 p.m. Sept. 6.

The sale will feature a large selection of overstocked books from the Gallery of Art's library, including artist monographs, exhibition catalogs and auction catalogs.

All proceeds go to support exhibition and educational programming. The event is free and open to the public.

The book fair inaugurates a series of special events — including lectures, films and student docent tours — designed around the Gallery of Art's recently expanded Friday hours.

Gallery hours are now 10 a.m.-4:30 p.m. Tuesday through Thursday; 10 a.m.-8 p.m. Fridays; and noon-4:30 p.m. weekends. The gallery is closed Mondays.

The special events begin at 7 p.m. and are free and open to the public, unless otherwise noted. Highlights for the fall include:

Sept. 27: Elizabeth Childs, associate professor of art history and archaeology in Arts & Sciences, will speak on "Voyages and Fantasies: Exoticism and Orientalism in Modern Art" in

the newly established Teaching Gallery. The talk is the first of three Friday Forum discussions and is preceded by a reception at 6:30 p.m. Cost, which includes wine and appetizers, is \$10, or \$25 for the series. Reservations are required for Friday Forum

events; call 935-5490.

Oct. 11: A panel and discussion on "Promoting Modern European Art in Mid-Century America: The

Case of H.W. Janson." Panelists include author and critic Linda Nochlin, the Lila Acheson Wallace Professor of Modern Art at New York University's Institute of Fine Arts; Reinhold Heller, professor of art history at the University of Chicago; and Sabine Eckmann, curator of the Gallery of Art. A reception will follow.

Oct. 25: "Artists on Film." A screening of three short films from the Museum of Modern Art Film Archive: *Works of Calder* (1950), directed by Herbert Matter, score by John Cage; *Jackson Pollock* (1950-51), directed by Hans Namuth and Paul Falkenberg, score by Morton Feldman; and *Willem De Kooning, The Painter* (1963), directed by Namuth, score by Feldman.

Nov. 7: William Mitchell, dean

of the School of Architecture & Planning at the Massachusetts Institute of Technology, will present the fall Visual Art & Design Center Lecture, titled "Campus Design for the 21st Century." Mitchell is an expert on design theory, imaging synthesis and computer applications for architecture and urban design. His most recent book is *e-topia: Urban Life, Jim — But Not As We Know It* (1999).

Nov. 22: Laurie Stein, director of the Pulitzer Foundation of the Arts, joins Eckmann for a discussion of "How Modern Art Came to Saint Louis," focusing on mid-century collecting of European and American modernism. The talk is the second of three Friday Forum lectures and is preceded by a reception at 6:30 p.m. Cost is \$10.

Dec. 6: Lutz Koepnick, associate professor of Germanic languages & literatures and of Film & Media Studies, both in Arts & Sciences, joins Eckmann for a discussion of "Public Dialogues and the Work of Christian Jankowski," in conjunction with the Gallery of Art's exhibition *Christian Jankowski's Targets*. The talk is the third of three Friday Forum lectures and is preceded by a reception at 6:30 p.m. Cost is \$10.

For more information on the book fair, call 935-4523.

Gallery of Art Book Fair

When: Noon-8 p.m. Sept. 6

Tickets: Free and open to the public

For more information, call 935-4523.



Good neighbors Aakash Chandarana (left) and Greg Cook, first-year students in the School of Law, paint a sidewalk at Brittany Woods School as part of the Good Neighbors Public Service Project. The program brought law students to 10 different schools around University City, Mo., to help with various beautification projects.

STARS

Program pairs students with scientific research — from Page 2

in science can offer and perhaps give St. Louis' home-grown talent a reason to consider staying in St. Louis — either for college or later for a career.

"I first met Laura in June of 1999," said Kenneth Mares, Ph.D., an instructor at UMSL who organized the STARS program. "She was and is a talented, energetic and curious student whose work is superior to most at her level. STARS provided science-enhancement challenges when she was a rising senior at the Ursuline Academy.

"I think the reputation and research opportunities with outstanding faculty at Washington University kept her here in St. Louis."

As a high school senior, Ernst

developed an independent-study project involving salt-tolerant crops that won a top prize in the Monsanto/St. Louis Post-Dispatch Science Fair, and she and another student were chosen to represent St. Louis at the Intel International Science and Engineering Fair in Detroit.

"We were featured on the front page of the *Post-Dispatch*, and also on Channel 5 news," Ernst said. "I found it amazing how the city seemed to take pride in our scientific accomplishments."

Before embarking on her freshman year, Ernst enrolled in Washington University's Prefreshman Summer Scholars Program. Sponsored by the Howard Hughes Medical Institute, the program allows 20 incoming students in biology and biomedical engineering to begin acclimating to life on the Hilltop Campus by diving directly into an actual research project.

Ernst, under the guidance of

Michael Neff, Ph.D., assistant professor of biology in Arts & Sciences, studied light signal transduction in *Arabidopsis*, a flowering member of the mustard family that is prized by plant biologists for its relatively small genome and for its ability to mimic domestic crops in its responses to stresses and disease.

Ernst focused on *Arabidopsis* again this summer while interning at the Donald Danforth Plant Science Center (DDPSC) in Creve Coeur, Mo. It's a prestigious appointment.

In fact, Elaine Alexander, assistant outreach coordinator for biology, said, "Laura is the first student in the eight-year history of the prefreshman program to land an internship at the DDPSC," but added, "I am sure that others will follow in her footsteps."

Ernst actually got the job through a second of Mares' initiatives — the Collaborative for Applied Experiences in Science (CAES), which serves as a kind

of matchmaker for students, scientific corporations and research institutions.

Daniel Schachtman, Ph.D., a geneticist and associate member of the DDPSC, studies how plant roots take up minerals from the soil and how they can adapt in a problem-soil environment; for example, soil so concentrated with saline (salt) that crops are unable to grow. Schachtman discovered Ernst, and her past experience (including salt-tolerant crops), through the CAES Web site.

So what's lab life like for a budding scientist?

"Every day is very different with my work because I plan my research based on the results I gather as the summer progresses," Ernst said.

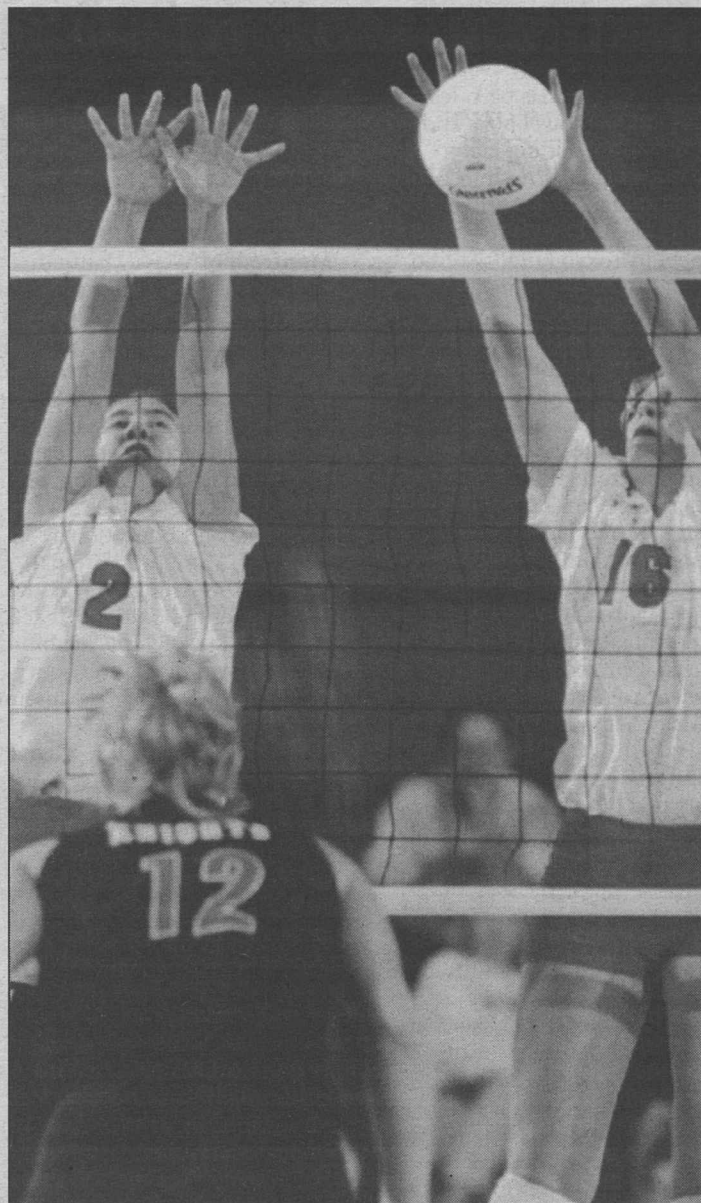
Ernst's project involved examining potassium transporters — those mechanisms through which potassium travels throughout the plant. Her daily tasks ranged from setting up hydroponic tanks to making up

plant media and growing several lines of plant specimens.

But Ernst's duties went well beyond glorified gardening and into the realm of molecular biology — extracting RNA, making cloned DNA and looking at the unusual physical characteristics of plants in which one gene has been "knocked out," rendering them incapable of making a particular potassium transport protein.

"What I love most about plant science research is that I can pose questions about basic plant biology, and the answers I find to those questions will have practical applications that directly benefit society," Ernst said. "The more we learn about the role of potassium transporters in plants and how they regulate sodium, the closer we come to creating crops that can withstand salt stress, and hopefully we can eventually use more of our salt-affected land for agriculture, to feed our growing population."

Sports



FILE PHOTO

First-team All-American setter Rebecca Rotello (2) and first-team all-University Athletic Association performer Amy Brand are two of five starters returning for the Bears' 2002 campaign. WUSTL advanced to the quarterfinals of the NCAA Tournament last year.

Volleyball, men's soccer previews

Head coach Rich Luenemann and the volleyball Bears are gearing up for a run at a Division III-record eighth national championship as the club returns nearly intact from a 32-6 campaign last season. The team, which advanced to the quarterfinals of the NCAA Tournament a year ago, returns five starters, including first-team All-American setter Rebecca Rotello. Fellow first-team all-University Athletic Association member Amy Brand is back in the middle, while 2001 Central Region Freshman of the Year Colleen Winter also returns. Juniors Cindy McPeak and Katie Quinn join a talented group of underclassmen and freshmen as the Bears look to extend their streak of UAA titles to 14.

The men's soccer team, which finished 11-4-2 overall and 4-2-1 in the UAA a season ago, returns a dozen players with starting experience, including first-team all-UAA defender Matt Twardowski and second-team midfielder James Ward. Twardowski anchored a defense that allowed just 15 goals in 17 games last season, while Ward scored 11 points as the offense tallied better than 2.5 goals per game. Mark Gister and Scott Siebers tied for second on the club in scoring last year with 17 points, while goalkeeper Giles Bissonnette, who started all but one game, posted a 0.75 goals-against average.

On the Web

For complete sports schedules and results, go to bearsports.wustl.edu.

Architecture

— from Page 1

ture at Tokyo University, launches the series **Sept. 9** with a talk on "Space, Light and My Works." Kohyama's work has been featured in numerous books and periodicals, including Japan Architect, Process: Architecture, SD and Detail. Signature projects include the Saint Andre Church Chapel in Tokyo (1996) Studio and the Office Building in Sendagaya, Japan (1997).

Wiel Arets, former director of the Berlage Institute in Rotterdam and one of Holland's most influential theorists and practitioners, will present the 2002 Coral Courts Lecture, titled "Blending²," on **Tuesday, Sept. 17**. Arets has earned international acclaim for his powerful yet understated aesthetic, which wraps rigorously geometric forms in glowing, transparent "skins."

Major projects include the Academy of Arts and Architecture in Maastricht (1993) — nominated by the International Union of Architects (UIA) as one of the 1,000 best buildings of the 20th century — and the AZL Pension-Fund Building in Heerlen (1995). Current projects include the University Library in Utrecht; the Cathedral for Ghana; and a multifunctional soccer stadium in Groningen.

Correa, the Ruth & Norman Moore Visiting Professor of Architecture, will present the 2002 Fumihiko Maki Lecture, titled "Working in India," **Thursday, Sept. 26**. Born in Hyderabad in 1930, Correa studied at the University of Michigan and the Massachusetts Institute of Technology and opened his practice in Mumbai in 1958.

He is renowned for fusing the Indian vernacular with a modernist vocabulary and is one of the world's leading voices on urbanization and low-cost shelter in the Third World. Major projects range from large-scale public housing to the State Assembly building in Madhya Pradesh to the Mahatma Gandhi Memorial at the Sabarmati Ashram.

His work has been widely published in journals, books and monographs; honors include Gold Medals of the UIA, the Royal Institute of British Architects and the Indian Institute of Architecture.

Leslie van Duzer, visiting associate professor of architecture, will speak on "Almost Nothing: The Brick Villas of Mies van der Rohe" **Oct. 7**. Van Duzer is the author of two books, *Villa Müller: A Work of Adolf Loos* (1997) and *Rudolf Arnheim: Revealing Vision* (1998), both

with Kent Kleinman. They are currently collaborating on a third, *Notes on Almost Nothing: Mies van der Rohe's Haus Lange and Haus Esters*.

Van Duzer is an associate professor of architecture at Arizona State University and previously taught at the University of California, Berkeley; at the University of Michigan; and at numerous schools in central Europe and Scandinavia.

Marion Weiss and **Michael Manfredi** of Weiss/Manfredi Architects in New York will speak on "Surface/Subsurface" **Oct. 21**. The husband-and-wife team, who have worked together since 1987, create meticulously legible works that reside at the intersection of architecture, landscape and urban design. Notable projects include the Women's Memorial and Educational Center at Arlington National Cemetery in Arlington, Va.; the Museum of the Earth in Ithaca, N.Y.; and the Olympic Sculpture Park, a downtown waterfront venue of the Seattle Art Museum.

Olin will speak on "Landscape as Medium" **Oct. 28**. As founding partner of Hanna/Olin Ltd. (the Olin Partnership since 1996), he designed such large-scale urban developments as Bryant Park and Battery Park City in New York; Canary Wharf and King's Cross in London; the Getty Center in Los Angeles; and the National Gallery of Art Sculpture Garden in Washington, D.C.

A former chair of Harvard University's Department of Landscape Architecture, Olin is a Guggenheim Fellow; a fellow and trustee of the American Academy in Rome; and the author of two books — *Transforming the Commonplace* (1996) and *Across the Open Field: Essays Drawn on the English Landscape* (1999). He currently teaches at the University of Pennsylvania.

Raili Pietila, widow of the great Finnish architect Reima Pietila (1923-1993), and **Aino Niskanen**, architect and architectural historian at the Helsinki University of Technology, will present a joint lecture on "Pietila in the Finnish Context" **Nov. 4**. Born in Turku, Finland, Reima Pietila won the 1957 competition for the Finnish Pavilion at the Brussels World Fair and, with Raili, opened a Helsinki-based practice in 1960. Signature works such as the Dipoli Conference Center in Otaniemi (1966); the Tampere Main Library (1978-1982); and Mantyniemi, the residence of the President of Finland, in Helsinki (1984-1992), are renowned for their impressionistic, freeform designs.

William Mitchell, dean of the School of Architecture at the

Massachusetts Institute of Technology, will speak on "Campus Design for the 21st Century" **Thursday, Nov. 7**, for Washington University's Visual Arts and Design Center. A fellow of the Royal Australian Institute of Architects, Mitchell is an expert on design theory, imaging synthesis and computer applications for architecture and urban design.

His books include *The Logic of Architecture: Design, Computation, and Cognition* (1990); *The Reconfigured Eye: Visual Truth in the Post-Photographic Era* (1992); and *City of Bits: Space, Place, and the Infobahn* (1995). His most recent work is *e-topia: Urban Life, Jim — But Not As We Know It* (1999).

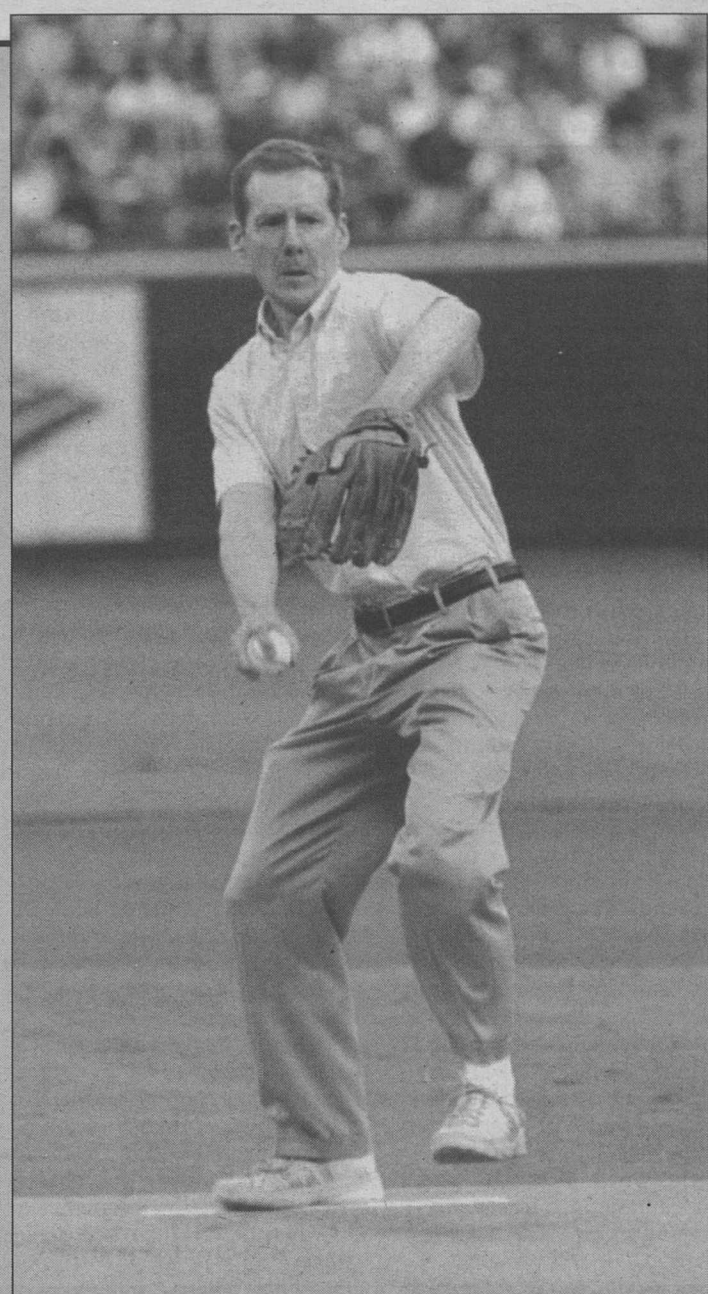
Jorma Ollila, chairman and chief executive officer of the Nokia Corp. (based in Espoo, Finland), will present the 2002 Eugene Mackey Lecture **Tuesday, Nov. 12**. Nokia is a world leader in mobile communications and is currently spearheading the drive to create an open architecture for the next generation of wireless phones. Born in Seinajoki in 1950, Ollila began his career with Citibank N-A in London and joined Nokia in 1985; he was appointed president and CEO in 1992, a position he held until 1999. Co-sponsored by the University's Olin School of Business, Ollila's lecture will address the relationship between good design and Nokia's worldwide success.

Shawn L. Rickenbacker, architect with Do Group in London, continues the series **Nov. 18** with a lecture titled "Counterintuitive." A native of Bronx, N.Y., Rickenbacker has lectured widely on topics such as multinational urbanism and the social and racial politics of architecture.

He has practiced with such notable firms as James Stewart Polshek & Partners and Agrest + Gandelonas, both of New York, and founded the architectural research and collaborative group AR+D in Columbus, Ohio.

Brigitte Shim, principal of Shim-Sutcliffe Architects in Toronto, will conclude the series **Dec. 2**. Shim-Sutcliffe is a highly regarded architecture and design partnership addressing the integration of furniture, architecture and landscape, with concentrated attention on site, materials and details. Their work has earned five Canadian Governor General's Medals and Awards for Architecture along with numerous American Institute of Architects honors.

For more information or to request a brochure, call 935-6200.



Give 'im the heater Daniel L. Keating, associate dean for academic affairs and the Tyrrell Williams Professor of Law, throws out the first pitch at the St. Louis Cardinals game **Aug. 23**. Keating was chosen to represent the School of Law at the annual Night at the Ballgame.

Teaching

NSF grant to assist teaching fellows program
— from Page 1

stories, and understand how math and science are applied to real-world problems, which will be passed along to future generations of students and teachers.

"The students will be exposed to engineering and have engineering role models in the graduate and undergraduate students. This is a win-win situation for Gateway Technical Middle School, Steger Sixth Grade Center and Washington University."

The program, initiated in 1999, has drawn enthusiastic praise from teachers.

"Students get a sense that the science they're learning is important and see that a career in science is feasible," said one teacher in San Francisco. The GK-12 fellow "brings to the classroom more experiments, more projects and more knowledge than I have," a teacher in Nashville, Tenn., said.

The program encourages graduate students to sharpen their communication skills by sharing science and mathematics expertise. By working with teachers, they are able to bring inquiry-based projects into the classroom and provide added perspectives on the importance

of science, mathematics, engineering and technology.

The projects vary greatly depending on the interests of teachers, their students and the fellows. They are often linked to curricular standards, to help students prepare for state achievement tests.

In one recent project, a fellow co-authored with a teacher a curriculum to help students understand physics through examining roller coasters. In

another, a university established a Bio-Bus program, in which a 30-foot mobile laboratory was sent into rural areas to provide hands-on science activities and demonstrations.

In another, engineering fellows worked with students to develop hands-on projects to study the laws of motion, electricity and energy.

"The GK-12 program is successful because both students and teachers benefit from the opportunity to work with graduate students who are excited about science and math and who share the enthusiasm by involving students and teachers in hands-on experiences in science and math," said Judith Ramaley, NSF's assistant director for education and human resources. "The subjects come alive in new ways. In return, the graduate students develop a new enthusiasm for education and think differently about themselves as educators."

Employment

Go online to hr.wustl.edu (Hilltop Campus) or medicine.wustl.edu/wumshr (Medical Campus) to obtain complete job descriptions.

Hilltop Campus

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

Research Technician 000256

Senior Medical Sciences Writer 010108

Planned Giving Officer 020086

Director, Univ. Development Project & Asst. Director, Principal Gifts 020208

Coordinator, Program for Technical Assistance 020218

Career Development Specialist 020317

Engineering Collections & Services Asst. 020337

Occupational Health Safety Technologist 020339

Registered Nurse 020347

Staff Psychologist 020351

Senior Investment Analyst 020352

Mechanic (Bargaining Unit Employee) 020358

Administrative Assistant 020364

Assoc. Dir., Corporate Relations 020365

Regional Director of Development 020367

Administrative Secretary 020371

Career Dev. Specialist — Grad Students 020381

Internship Coordinator 020382

Health Services Physician 030009

Assistant Director of Admissions 030011

PC Support Technician 030016

Application Processor 030022

Senior Contract Management Liaison 030032

Asst. Outreach Coordinator 030036

Project Assoc. 030039

Computer & Data Technician 030040

Contract Manager 030041

Special Collections Asst. 030044

Grant/Accounting Supervisor 030045

Accounting Asst. 030046

School Accounting Manager 030053

Systems Manager 030054

Admin. Asst. 030055

Admin. Asst. for Publications and Summer School 030058

Animal Caretaker 030060

Deputized Police Officer 030062

Admin. Asst., Editorial Office 030063

Physical Therapist 030064

Admin. Asst. to the Dean 030068

Senior Site Operator 030069

Coordinator of Media Relations 030061

Accounts Receivable Service Rep. 030070

Asst. Dir. Of Admissions 030072

Telephone Operator 030073

Mechanic (Bargaining Unit Employee) 030075

Medical Campus

This is a partial list of positions in the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit résumés to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

Health Physicist I 030236

Statistical Data Analyst 030137

Occupational Health and Safety Officer 030238

RN-Research Patient Coordinator 030239

Secretary II 030240

Patient Billing Services Rep. II 030241

Grant Analyst 030242

Secretary II 030243

Secretary II 030245

Occupational Health & Safety Technologist 030245

Polysomnographic Trainee 030246

Statistical Data Analyst 030247

Clinical Research Asst. 030249

Insurance, Billing, and Collections Asst. III 030255

Administrative Coordinator 030256

Animal Care Technician I 030257

Service Quality Coordinator 030259

Research Technician II 030260

Planning Assoc. Clinical 030261

Notables

Introducing new faculty members

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

Bret Gustafson, Ph.D., joins the Department of Anthropology in Arts & Sciences as assistant professor with a joint appointment in the program in social thought and analysis. He earned a doctorate from Harvard University in 2002 and a bachelor's degree from Tulane University in 1991. His interests include political anthropology, indigenous languages and political movements, foreign aid and state change, and national elites and transnational governance. He works primarily in Bolivia, but also in Guatemala, Colombia, Ecuador, Venezuela and Peru.

Rebecca Lester, Ph.D., joins the Department of Anthropology in Arts & Sciences as assistant professor, where she will be a member of the core faculty in the program in medicine & society. She earned a doctorate from the University of California, San Diego, in 1998 and a bachelor's degree from the University of Florida in 1991. She is completing a three-year postdoctoral fellowship in culture and mental health with the Committee on Human Development at the University of Chicago. Her interests are medical anthropology, gender, embodiment, religion and ritual, psychological anthropology and cross-cultural psychiatry. She works in Mexico and the United States.

Gwen Bennett, Ph.D., joins the Department of Art History & Archaeology in Arts & Sciences as assistant professor. She earned a bachelor's degree from Northwestern University and earned a doctorate from the University of California, Los Angeles, this summer. Her interests lie in the areas of Chinese archaeology and art history. Her grants include a Committee for the Scholarly Communication with China Fellowship for dissertation research in China, a Peking University Fellowship, a China Ministry of Education Grant, and a National Resource Fellowship Title VI fellowship. She is working on an excavation project that is examining the origins of salt production in Sichuan, China.

Jonathan Chase, Ph.D., joins the Department of Biology in Arts & Sciences as assistant professor. He earned a bachelor's degree from the University of Michigan School of Natural Resources in 1992, a master's in fisheries and wildlife from Utah State University in 1995 and a doctorate in ecology and evolution from the University of Chicago in 1998. His research combines observational, theoretical and experimental approaches to understand and explore the variants and invariants of species distribution, diversity and abundance. Honors and awards for his work include an National Science Foundation (NSF) Doctoral Dissertation Improvement Grant; a University of California, Davis, Center for Population Biology postdoctoral fellowship; an American Society of Naturalists Young Investigator Prize; and four years of funding from the NSF.

In print

R. Keith Sawyer, Ph.D., assistant professor of education, had two articles published recently: "Emergence in Sociology: Contemporary Philosophy of Mind and Some Implications for Sociological Theory," in the *American Journal of Sociology*; and "Durkheim's Dilemma: Toward a Sociology of Emergence," in *Sociological Theory*. ...

Chakravarthi Narasimhan, Ph.D., the Philip L. Siteman Professor of Marketing in the Olin School of Business, has received the John D.C. Little Best Paper Award presented by the editorial boards of *Marketing Science* and *Management Science* for his paper "Individual Marketing with Imperfect Targetability," published in *Marketing Science* in 2001. His paper, "Customer Profitability In A Supply Chain," co-authored with **Mahendra Gupta**, Ph.D., associate professor of accounting, published in the *Journal of Marketing* in 2001, has received the Marketing Science H. Paul Root Award from the American Marketing Association.

Speaking of

T.J. Tarn, D.Sc., professor of systems science and mathematics, delivered two lectures in Australia in March: the Institute of Electrical and Electronic Engineers (IEEE) Distinguished Lecture on Fusion of Human and Machine Intelligence in Brisbane, and a lecture on the same subject at the Defence Science and Technology Organization in Adelaide. Tarn's trip was sponsored by the IEEE and the Institution of Engineers, Australia.

Notables

Richard K. Groger, M.D., Ph.D., instructor of internal medicine, has received a three-year, \$328,849 grant from the National Institute of Allergy and Infectious Diseases for research titled "Tuberculosis Vaccine Strategy Using Salmonella Vectors." ...

Aguan Wei, M.D., research assistant professor of neurobiology, has received a three-year, \$330,002 grant from the National Science Foundation for research titled "Control of Cellular Excitability by KCNQ-Like Potassium Channels in C. Elegans." ...

Stephen M. Highstein, M.D., instructor in medicine, has received a one-year, \$30,000 grant from the National Institute of Neurological Disorders and Stroke for research titled "Recent Progress in Cerebellar Research." ...

Jane Y. Wu, M.D., Ph.D., associate professor of pediatrics, has received a one-year, \$254,380 grant from the National Institute of Allergy and Infectious Diseases for research titled "Mechanisms of Regulating Cell Migration." ...

Colin G. Nichols, Ph.D., professor of cell biology and physiology, has received a five-year, \$962,500 grant from the National Heart, Lung, and Blood Institute for research titled "ATP: Sensitive Potassium Channels in the Heart." ...

Mitchell H. Grayson, M.D., instructor in medicine, has received a five-year, \$521,145 grant from the National Institute of Allergy and Infectious Diseases for research titled "Lymphocyte Homing to the Spleen." ...



Making memories Anne Enright Shepherd (left), director of alumni and constituent relations in the School of Medicine, helps Halls Ferry Manor resident Lorine Simmons compile a memory book. For the fifth straight year, several University employees participated in the United Way's Days of Caring, and the Halls Ferry Manor project was one of eight venues where volunteers could lend a hand. Others went to children's day camps and nursery schools. Blanche Johnson of the University's human resources office also went to Halls Ferry Manor. "It was really neat to sit and talk with these people and hear some of their memories," Johnson said.

Anne Fagan-Niven, Ph.D., research assistant professor of neurology, has received a three-year, \$239,995 grant from the Alzheimer's Association for research titled "Lipoprotein Interactions with Amyloid-Beta: Role of apoAI/HDL in Alzheimer's Disease." ...

Thomas M. Meuser, Ph.D., research assistant professor of neurology, has received a two-year, \$55,969 grant from the Alzheimer's Association for research titled "Loss Recognition & Contextual Awareness in the Alzheimer's Caregiver-Spouse Relationship: Towards a Marital Intervention for Grief-Related Adjustment." ...

John W. Newcomer, M.D., associate professor of psychiatry, has received a two-year, \$100,000 grant from the National Alliance for Research on Schizophrenia and Depression for the "2001 NARSAD Independent Investigator Award."

Campus Watch

The following incidents were reported to University Police Aug. 21-27. 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.

Aug. 22

12:10 p.m. — A person reported that an unknown person stole his blue Trek mountain bike and bike rack from his vehicle, which was parked in the South 40 parking lot across from the police station. Total loss is estimated at \$600.

Aug. 23

3:04 p.m. — A person reported that when he returned to his Jeep on Olympian Way, unknown persons had stolen a stereo, two subwoofers and a box. Four male suspects were seen around the vehicle, and then left in a dark Chevrolet. Total loss is estimated at \$600.

4:51 p.m. — A person called the

police department after finding his car, which was parked on Brookings Drive, damaged and the stereo faceplate, speakers and amplifiers stolen. Total loss is estimated at \$1,150.

Aug. 24

3:13 p.m. — A student reported that an unknown person stole his blue Schwinn 18-speed mountain bike from the west outside area of the Theta Xi fraternity house. The bike was unlocked, and the theft occurred between 4 p.m. Aug. 20 and 9 p.m. Aug. 23. Total loss is estimated at \$150.

Additionally, University Police responded to two counts of larceny.

Campus Authors

Annelise Mertz, professor emerita in the Performing Arts Department in Arts & Sciences

The Body Can Speak: Essays on Creative Movement Education With Emphasis on Dance and Drama

(Southern Illinois University Press)

Annelise Mertz, professor Emerita in the Performing Arts Department in Arts & Sciences (where she founded the Dance Program), recently edited *The Body Can Speak: Essays on Creative Movement Education With Emphasis on Dance and Drama*.

The following is extracted from her essay "A Teacher Remembers (New Beginning in America)," which recalls her more than three decades at Washington University:

"It was curiosity and my love for dance that brought me to America, the cradle of modern dance. I had performed as a dancer all over Europe with renowned companies such as the State Opera of Berlin and the municipal theaters of Dusseldorf and Darmstadt, toured with the Kurt Jooss

Dance Theater, and soloed with my own dances. By the time I had accomplished all this, I was more than ready to explore the dance scene in America. I wanted to see for myself how

America had developed while the arts of Europe were almost destroyed during a most devastating war.

"I took the first opportunity offered me and landed in Chicago in the mid-1950s, not knowing anyone there in my profession. Talking to people, I quickly discovered that a few had heard about Martha Graham but that they hardly knew the American art form called modern dance or the great artists associated with it. This was quite a blow to my great expectations. The majority of people thought I was speaking about ballroom dance ...

"When I arrived [at Washington University] in

January 1957, I found a small but pleasant dance studio with a bouncy floor ... in the women's physical education department. Unfortunately, the studio was partitioned from the swimming pool, separated from it by only a thin wall that was ... not soundproofed. A smaller sidewall extended only halfway to the ceiling. On the other side were several hair dryers. When the dryers were in use, their noise forced people to converse loudly, which was not very helpful to me trying to teach on the other side. Finally after several years, the wall with the hair dryers was closed, and I came to an agreement with the department that no synchronized swimming would be scheduled during my dance classes ..."

Mertz will read from *The Body Can Speak* at 7 p.m. Sept. 5 at Left Bank Books.



Mertz

Washington People

Working as a tour guide for the Research Reactor Facility at the University of Missouri as an undergraduate doesn't seem exactly on Sharon Stahl's career path.

But it was somewhat predictive of what she does now at Washington University.

While that early job involved guiding visitors through the research reactor, her current job sees her guiding students through the undergraduate years in the College of Arts & Sciences.

Stahl leaves her imprint on several aspects of University life.

She is an associate dean in the College of Arts & Sciences. She is the director of the Life Sciences Program. She is a four-year adviser. She is the liaison for the college to the Office of Undergraduate Admissions.

She works with the Honorary Scholars Program. She is active with the Danforth Scholars Program. And she works with the Biggs Residency in the Classics.

"She does so many things so well," said James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences.



Sharon Stahl, Ph.D., (right) associate dean in the College of Arts & Sciences, talks with Trudy Palmer, Ph.D., assistant dean in the College of Arts & Sciences, in Stahl's office. Stahl and Palmer are two of the many advisers in the college.

Helping students find their way

Sharon Stahl, Ph.D., takes great reward in advising undergraduates in all areas of college life

BY ANDY CLENDENNEN

"She is smart and creative and commits her talents to a number of areas."

She keeps busy, to say the least.

But advising is what she considers her principal responsibility. Every year, she is assigned 40 incoming freshmen. They stay with her until they leave the University, either to pursue graduate degrees, opportunities in volunteer and service work, or to head to the corporate sector.

"In August and September, I'll meet with them weekly in groups of 10; a peer adviser, an upper-classman, is my partner in these group meetings and is an invaluable resource to first-year students," Stahl said. "The rationale is to help them get a great start here, to help them get connected with the resources and the opportunities. For some students, it's a very easy transition to come to a university. For others, it's a challenge. For many students, it is the first time they've shared a room or shared a bathroom; they might be living with someone from a part of the country they've never visited, or with someone who is of a different religion, race, ethnicity or who has a different sexual orientation."

"Having a small peer group with whom students can develop a comfort level and talk about these new experiences really helps. It's important to have someone they can come to when they need to know something, they feel overwhelmed or have a problem, or when they just need to chat with someone who cares about them."

The four-year advising program in the College of Arts & Sciences provides every student with an adviser, either a faculty member or one of the deans in the college's office such as Stahl, who works with the student throughout the

undergraduate years.

Not infrequently, these relationships continue beyond the student's tenure at the University, and sometimes that happens more often than the advisers know.

It's a relationship that can last a lifetime.

Rhodes Scholar Ben Cannon was one of Stahl's advisees. He recently got married, and he asked Stahl to speak at his wedding. She accepted.

"It was a great honor for me and pretty intimidating," Stahl said, "and now it is certainly for

his life.

"And it's pretty daunting to think about that, that each of us, no matter what role we are doing at the University, each of us is making a difference and sometimes when we don't even know it. I know that is one of the things that keeps all of us doing what we're doing."

Stahl came to the University from Vanderbilt University, where she worked in undergraduate admissions and her husband, Philip D. Stahl, Ph.D., completed a postdoctoral fellowship in the

"She does so many things so well. She is smart and creative and commits her talents to a number of areas."

JAMES E. MCLEOD

sure that I'll be connected to Ben and Liz (Elizabeth Bower, also a University alum) for the rest of their lives. Well, more probably the rest of my life."

Sometimes, though, the impact of the support and advice she gives to students isn't immediately apparent.

Another program that Stahl participates in is called the Dean of the Day (DOD). Each weekday, one of the deans in the college's office holds open office hours when any student can come in and talk about any issues or problems.

Most often the problems can be solved; sometimes they can't. Regardless, there are times when the DOD just doesn't know if the advice and counsel has been successful.

But not always.

"One of the most touching experiences I've had is receiving a letter from a student that I saw during my DOD hours," Stahl said. "When the letter came, I didn't recognize the name or the address in Oklahoma. He wrote that he had come to see me only once in his time at the University and during my open office hours. I don't remember it at all."

"But he wrote to me three years after graduation, and said that the day that he saw me and talked with me changed

Department of Molecular Biology.

She started work there on a master's degree in art history, and the couple had their first child. Shortly thereafter, the family moved to St. Louis.

Philip Stahl became a faculty member in 1971, and remains at the School of Medicine where he is the Edward Mallinckrodt Jr.

Professor and head of the department of cell biology and physiology.

Two more children followed, and Sharon Stahl stayed home with them until 1979, when she started the doctoral program in history at SLU. She took advantage of the reciprocity agreement by which SLU students could take classes at Washington University.

But perhaps in a bit of foreshadowing, Stahl was staying very busy even back then.

"It took me a long time to finish my degree, because I had three small children and was teaching at the Priory (a junior high and high school in west St. Louis County)," Stahl said. "I had planned to write my dissertation while teaching but quickly realized that teaching in a Benedictine boys' school and writing a dissertation is not a compatible combination. But I really loved my time at the Priory, and I know it helped make me a better adviser."

In 1987, she earned a doctorate in history, and the following year she started working part-time at the University. A few years later, she was working full-time and gradually started expanding her contributions.

On at least three occasions, McLeod asked Stahl if she would be interested in trying something new, heading a new venture, taking on more responsibilities or becoming a more integral part of the office.

Every time, Stahl said yes.

"She really cares about and understands what a place like this does for young people," McLeod said. "She's willing to commit her time, energy and creativity to that. She is wonderful with people, she has great sensitivity and awareness, and she works very well with lots of people."

It's pretty clear McLeod tabbed the right person. Stahl has impacted so many lives and helped so many students get through the University.

But she also recognizes the impact that her advisees have had on her.

"Often you'll see students who simply need a routine question answered or who want to share their interests, and it is great fun to be able to connect them with faculty who will share their enthusiasm," she said. "But sometimes you'll get kids that come to you who are facing problems that they think are insurmountable, or something that has really disrupted their lives."

"One of the things that is most wonderful about this University is the pleasure and joy we take in seeing young people accomplish things. What gives us the greatest reward is seeing students do something extraordinary, and students can do many extraordinary things here because faculty — and all of us in the University community — are committed to helping them make the most of their undergraduate experience."

Sharon Stahl, Ph.D.

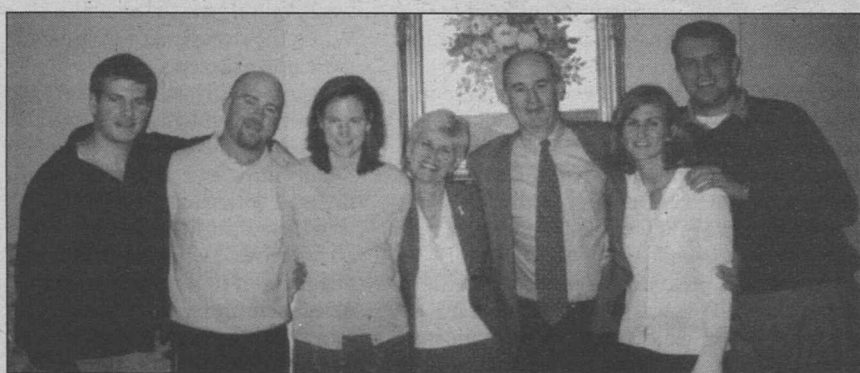
University title: Associate dean, College of Arts & Sciences

Responsibilities: Four-year academic advising, Danforth Scholars, Honorary Scholars, Biggs Residency, admissions liaison, Life Sciences Program

Degrees: B.A. in English, University of Missouri, 1968; Ph.D. in history, Saint Louis University, 1987

Family: Husband Philip, the Edward Mallinckrodt Jr. Professor and head of the department of cell biology and physiology in the School of Medicine; sons Damien and Christian, daughter Eva

Hobbies: Traveling, reading, gardening, spending time with grandchildren Damien, 2, and Ella, 10 weeks



(From left) Christian Stahl; Damien Stahl; Damien's wife, Kristin Vollinger Stahl; Sharon Stahl; Philip Stahl; Eva Stahl; and Eva's husband, Matthew Brown, at Whittemore House.