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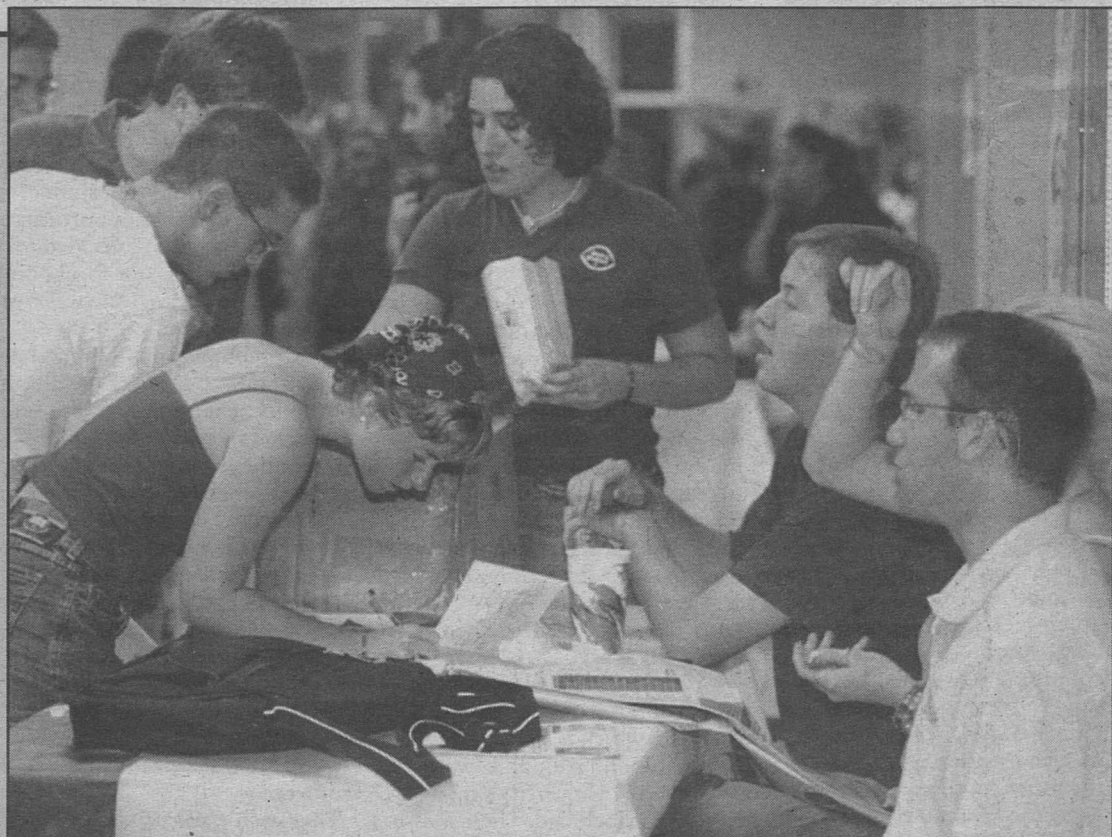
Record

Aug. 31, 2001

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Washington University in St. Louis



Getting involved Freshman Shelley Edson signs up to work for Student Life, the University's student newspaper, as part of First Friday festivities Aug. 24. Behind the table are (right to left) senior Brian Hamman, junior Allison Barrett, senior Taylor Upchurch and senior Emily Fredrix. First Friday is held annually in the South 40 Swamp and was sponsored this year by the Campus Programming Council. The event, a celebration of the first Friday of the new school year, featured free food, inflatable games, student group sign-ups and entertainment.

Spitznagel wins prestigious mathematics award

By TONY FITZPATRICK

Edward L. Spitznagel Jr., Ph.D., professor of mathematics in Arts & Sciences, has been named recipient of the Deborah and Franklin Tepper Haimo Award for Distinguished College or University Teaching of Mathematics.

The award is given by the Mathematical Association of America (MAA) and is considered to be one of the organization's most prestigious awards. Spitznagel will attend a special prize session Jan. 7 in San Diego, where he will be honored by the MAA and give a short talk on teaching.

"This award of the MAA is perhaps the most prestigious math teaching award in the country, and our whole department knows that Ed richly deserves it," said Steven Krantz, Ph.D., professor and chair of mathematics. "We all extend our hearty congratulations to Ed Spitznagel for bringing this honor both on himself and on our

department. The fact that Frank Haimo taught in our department for many years and that Debbie Haimo taught at the University of Missouri-St. Louis makes the recognition that much more special."

In 1991, the MAA instituted awards for distinguished college or university teaching of mathematics in order to honor teachers who have been widely recognized as extraordinarily successful and whose teaching effectiveness has been shown to



Spitznagel: Haimo award winner

have had influence beyond their own institutions. In 1993, the MAA Board of Governors renamed the award to honor Deborah and Franklin Tepper Haimo; Deborah Tepper Haimo

was president of the MAA in 1991-92.

Spitznagel, who earned a bachelor of science degree from Xavier University and his master of science and doctorate in mathematics degrees from the University of Chicago, is in his 32nd year with Washington University's Department of Mathematics, having joined the faculty in 1969 as associate professor.

From his first year, Spitznagel has changed and improved most of the courses he has taught, resulting in tremendous increases in enrollment. His transformation of the elementary statistics course, for example, increased enrollment from about 15 students his first year to nearly 300 and led to the development of five new, more advanced statistics courses.

In addition to his teaching, Spitznagel also has contributed to the quality of education in the University at large. Since the early 1970s, he has worked with admissions directors on analyzing student applicant data in an effort to maintain the high-quality student body, and in the mid-1970s he helped to resurrect and restructure the course-evaluation system. Also, it was his proposal that led to automatic student access to the University's computer-mainframe.

Spitznagel consults nationwide on educational, statistical and social issues and incorporates his broad knowledge base into his teaching.

The MAA award citation in part reads:

"Ed Spitznagel packs his lively lectures with real-world applications; students regularly oversub-

See Award, Page 6

Assembly Series

Former FBI, CIA director Webster first of 11 lectures on fall schedule

Former FBI and CIA director — and University alumnus and emeritus trustee — William H. Webster will deliver the first of 11 fall 2001 Assembly Series lectures.

Webster will speak Wednesday. Unless otherwise indicated, all Assembly Series events take place at 11 a.m. on Wednesdays in Graham Chapel and are free and open to the public.

After serving as a lieutenant in the Navy during World War II, Webster joined a St. Louis law firm. He left private practice in 1959 to become U.S. attorney for the Eastern District of Missouri. He returned to private practice and then served for five years as a member of the Missouri Board of Law Examiners. In 1970, Webster was appointed a judge of the U.S. District Court for the Eastern District of Missouri, and in 1973 he was elevated to the U.S. Court of Appeals for the 8th Circuit.

Five years later, Webster resigned the judgeship to head the FBI. In 1987 he was sworn in as director of central intelligence, heading the CIA until his retirement from public office in 1991.

Since then, Webster has practiced law at the Washington,

D.C., firm of Milbank, Tweed, Hadley & McCloy, where he specializes in arbitration, mediation and internal investigation.

For his distinguished service, Webster has received numerous honors and awards. In 1972, the University granted him the Alumni Citation for contributions to the field of law, and in 1981 he received the William Greenleaf Eliot Award. The School of Law

has honored him with the Distinguished Alumnus Award and with the establishment of the Webster Society, an outstanding scholars program.

The St. Louis Globe-Democrat named him "Man of the Year" in 1980.

Webster has received numerous awards for public service and law enforcement and holds honorary degrees from several colleges and universities. In 1991, he was presented the Distinguished Intelligence Medal, the Presidential

Medal of Freedom and the National Security Medal.

The native St. Louisan received his early education in Webster Groves; he earned a bachelor's degree from Amherst College in Massachusetts in 1947 and a law degree from Washington University in 1949. He is a member of the

See Series, Page 6

Fall Assembly Series

Unless otherwise indicated, all Assembly Series events take place at 11 a.m. in Graham Chapel and are free and open to the public.

Wednesday:
William H. Webster (right)

Sept. 12: Dave Hickey

Sept. 13, 4 p.m., Edison Theatre:
Donald McKayle

Sept. 19: Robert Frank

Sept. 26: Maya Lin

Oct. 3: Henry Cisneros

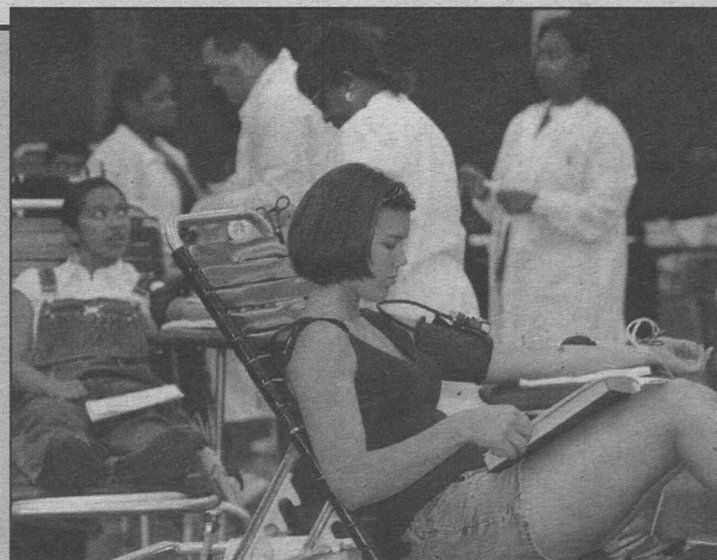
Oct. 10: Wendy Chan

Oct. 17: Ralph J. Cicerone

Oct. 31: KRS-One

Nov. 1, 4 p.m., Rebstock Hall Room 215: Bernardino Fantini

Nov. 7: James Young



What do they want, blood? Sophomore Cindy McPeak (foreground) relaxes with a book while giving blood Monday in Mallinckrodt Student Center at a blood drive sponsored by Spectrum Alliance and Congress of the South 40. Sophomore Angela Flores (rear left) prepares to donate as well. Additional blood drives are scheduled in Mallinckrodt for Oct. 1-4, Oct. 29-Nov. 1, Jan. 28-31, Feb. 25-28 and March 25-28.

933 arrives at Hilltop Campus

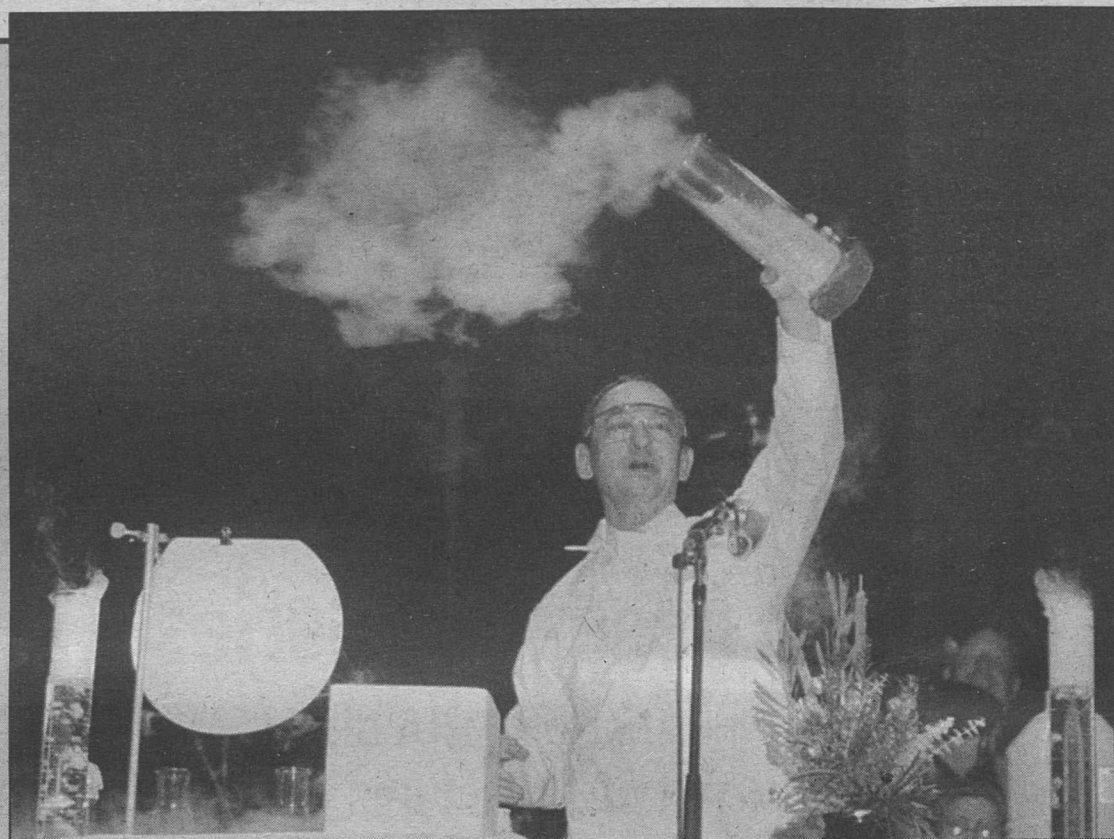
A new telephone number prefix has been added to the University telephone system. In addition to the 935 prefix numbers used around the Hilltop Campus, there are now 933 prefix telephone numbers.

The 933 numbers, currently used in the Charles F. Knight Executive Education Center and Small Group Housing, were created because there are no remaining large blocks of 935 numbers.

"With all of the new housing areas and facilities on campus, we did not have the capacity necessary with the 935 telephone numbers," said F. William Orrick, director of communications for telephone services.

Members of the University community on the Hilltop Campus will still be able to make phone calls using five digits, either 5-XXXX or 3-XXXX depending on the prefix.

— Jessica N. Roberts



Where there's smoke ... "Magic Mark," aka Chancellor Mark S. Wrighton, wows the audience with his chemistry tricks Aug. 20 at The Pageant concert hall in University City. Part of Orientation 2001, the "Evening of Fun at The Pageant" introduced incoming students to one of St. Louis' newest concert venues and featured entertainment by some of the University's finest.

Technologists discuss software trends, research model

By TONY FITZPATRICK

In the middle of the balloon craze at the University, the campus had visitors from the inventors of the Internet.

No, they weren't from Al Gore's office; rather from the Massachusetts engineering research and consulting firm of BBN (Bolt, Beranek and Newman). BBN is credited with constructing the original ARPANET, which eventually grew into the Internet, for the Department of Defense agency ARPA, which grew into DARPA (Defense Advanced Research Projects Agency).

They weren't here to take any credit or settle that old argument. Instead, they joined about 90 other engineers, computer scientists, businesspeople and students from around the world who met for two days to share knowledge about a very popular and instrumental type of middleware software package called TAO (pronounced "dow"). The workshop was called "The First Workshop on the ACE ORB (TAO)."

TAO was invented here by former University computer science Associate Professor Douglas C. Schmidt, Ph.D., who is now on the faculty of the University of California, Irvine (UCI), and is currently serving as an official with DARPA. TAO is maintained and extended by a research consortium consisting of the Laboratory for Distributed Object Computing, headed by Schmidt at UCI, and the Washington University computer science department's Center for Distributed Object Computing, headed by Ron Cytron, Ph.D., associate professor of computer science.

TAO is freely available to engineers worldwide in a research arrangement called "open-source." Open-source has no license fees and allows users to freely copy TAO from the center's Web site onto all their systems. It also includes the source code, which provides information about how the software is designed and implemented.

Conventional commercial software does not make this information available. But in the open-source model, sophisticated users can inspect the code and suggest improvements, making the product more versatile and robust.

According to workshop coordinator Chris Gill, assistant professor of computer science, "meeting in St. Louis" is becoming

ing a trend in the department.

"We had a summit on distributed systems middleware in May and then this one in August," Gill said. "It's a great way to touch base with people using our software and for us to learn the concerns and trends. This way our reputation grows and people know what a resource we are. Being in the middle of the country is an advantage — it cuts the attendees' travel time overall."

While it would seem that the University and the computer science department stand to gain little from the open-source arrangement, it actually has greatly enhanced the department's reputation worldwide. The University has a local partner, Object Computing Inc. (OCI) that, through innovation, marketing, training and consulting, has helped make the TAO software more adaptable and available worldwide.

"Open-source has brought Washington University research into many different applications," Gill said. "Open-source attracts the kinds of users that propagate the technology. If users have a question, they can access the resources of the UCI and Washington University research consortium, OCI and 700 people worldwide who are skilled in the software."

"We found from a survey conducted by OCI that people are switching from commercial middleware packages to our open-source middleware because of that exact reason."

The TAO middleware occupies a layer between client and server applications, where it provides high-speed and predictable request processing. To understand TAO, it's best to think of computer systems as layers in layer cake, stacked like this: the network and hardware on the bottom, followed by the operating system (Unix, for example), then the TAO middleware and finally the application. Each layer is able to communicate with the others through interfaces and protocols to deliver the application, say, alerting a user to important new information.

TAO also provides a software framework called the ADAPTICE Communication Environment (ACE) that shields TAO and the application developers from operating system differences so that applications can be written on any kind of operating system. TAO supports and is built out of what are called "objects." Objects comprise multiple cohesive

functions and data.

TAO harnesses objects that allow application developers to re-use or recycle common software components to develop distributed applications. TAO has made its biggest impact by enhancing time-critical applications such as fighter aircraft, air traffic control, process control systems, medical image acquisition, and multimedia such as teleconferencing.

Accordingly, varied industry giants such as Boeing, Siemens Medical Instruments, Lockheed Martin, Bell Laboratories and Lucent are TAO users who had representatives at the workshop. The Navy and a representative from Raytheon attended; they are using TAO in submarine applications. A firm called Contact Systems was represented. It uses the software to pick and place components for circuit-board assembly.

"They do things at fine resolution and at an incredibly fast speed, and they rely on TAO for real-time behavior," Gill said. "If they miss deadlines in the software it slows their machines down, and they can't afford that because they are competing with very large companies that operate with huge machines."

Gill said that while TAO has grown substantially since its initial implementation in the late-90s, a new goal is to push TAO and other middleware into very small devices that come under a new DARPA research program known as networked embedded sensor technology (NEST).

"We have to see how much we can strip away from TAO and still have the essential features of TAO that allow researchers to do the communications that they want," Gill said. "One of the functions of the workshops this year is to get a handle on the precise things people are trying to do, and that will guide our research and push TAO down as far as we can."

Gill said that beyond NEST, other new directions for the center are improving real-time performance, fault recovery and systems security applications.

"The combination of these three things is exactly what military systems and higher-demand civilian systems would love to have, but it's very hard to get all of them at once," he said. "It's kind of like, 'Well, you can choose one, or maybe two.' This is a big trend now and one of the valuable things about the workshop is we come to understand the community that's going to be leveraging our work."

New Web site Spark is info central

By NEIL SCHOENHERR

The life of a student on this campus can be quite busy. Students have to worry about classes, lectures, projects, tests, term papers and extracurricular activities. Trying to find a place to unwind, check out a concert or explore the great city of St. Louis should not be such a challenge.

To that end, the University has introduced a new Web site, "Spark" (www.spark.wustl.edu), officially unveiled Aug. 24. The site showcases events and activities available to University students on and off campus.

"I think this Web site is going to be a valuable resource to the campus community," said James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences. "We want students to be aware of, and to take advantage of, all the opportunities on and off campus. I hope they will make use of it."

Through its "Extension Cord" link, the site is a central location for events and activities available to students on campus and in the St. Louis area, including concerts, the arts, restaurants, transportation, theaters, festivals and student services. Student groups are encouraged to advertise their events on Spark.

A link is provided to the new Office of Student Activities calendar, which is slated to be searchable and printable by Sept. 1. A link to the University's main calendar is included. There is also a list of frequently asked questions where visitors can learn how to post information on the site, along with more information about Spark.

"We found there was a lack of a central place for all this information," said Melissa Ruwutch, coordinator of health promotion and wellness. "We just wanted to provide a way for students to find all their opportunities in one place."

Ruwutch, along with Ken Gricich, residential college director at Park House and Mudd House, headed the committee that formulated the idea for Spark last year.

"We wanted to show students that there are many alternatives to participating in high-risk behavior."

KEN GRICICH

Gricich and Ruwutch are co-chairs of the Washington Health Information Team (WHIT).

"We wanted to show students that there are many alternatives to participating in high-risk behavior," Gricich said. "As a committee, we felt we could meet our goal by promoting student activities and other opportunities for involvement. We decided to use technology as our focal point, so the idea of a Web site was born."

Student participation has been a central part of Spark's evolution from its beginning stages. Several students serve on the WHIT committee, with junior Andrew Trotter taking a leadership role. The site was designed by senior art major Deborah Gorman, the winner of a contest held last year in Lauri Eisenbach-Bush's junior design class.

"We went to students in the junior design studio and asked them for help," Ruwutch said. "Five students devoted three weeks to the project, talking to other students about the idea. They each came up with terrific campaigns focusing on one word. But Spark was the one that got the committee's attention. Spark evokes ideas of light, energy, excitement and vibrance. The committee was really impressed with Deborah's work and the connection to plugging into information."

"This Web site is an ongoing, evolving process," Ruwutch added. "We really want student, faculty and staff input on how useful it is. We want it to be as effective as it can be."

For more information on Spark and to provide feedback, log on or call Gricich at 935-8295 or Ruwutch at 935-7139.



The Spark is a new University Web site that features information on events on and off campus.

Record

Washington University community news

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Medical School Update

Holtzman named the Hagemann professor of neurology

By GILA Z. RECKESS

Alzheimer's disease specialist David M. Holtzman, M.D., has been named the first Charlotte and Paul Hagemann Professor of Neurology at the School of Medicine.

The professorship was established by Paul O. Hagemann, M.D., professor emeritus of clinical medicine, and his wife, Charlotte. The couple, now deceased, are University alumni.

Chancellor Mark S. Wrighton and William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the medical school, made the announcement.

"We are tremendously fortunate to have alumni as generous and loyal as Paul Hagemann," Wrighton said. "In his lifetime, he had a positive impact on our community both as a student and as a member of

our faculty. I am confident that David Holtzman now will carry on his commitment to the University and to medical research."

Hagemann became interested in Alzheimer's research after Charlotte and his brother developed the neurodegenerative



Holtzman: Studies Alzheimer's disease

disease. Until his death in 1998, he also participated as a control subject in an Alzheimer's study at the medical school.

The Hagemanns established the endowed chair in order to promote basic science research on the mechanisms underlying Alzheimer's disease. Holtzman, also an

associate professor of molecular biology and pharmacology, was chosen for the position after a national search.

"David Holtzman is a gifted and internationally respected neuroscientist whose scientific contributions are advancing our knowledge of this devastating, widespread disease," Peck said. "He is an ideal candidate to be the initial occupant of this chair."

Holtzman's research focuses on the underlying mechanisms of acute and chronic neuron dysfunction in the brain, particularly examining the connection between these processes and Alzheimer's disease. His team discovered that a protein in the blood called apolipoprotein E (apoE) influences the accumulation of amyloid-beta peptide in the brain that can form sticky, toxic plaques characteristic of Alzheimer's disease.

A St. Louis native, Holtzman

attended the Honors Program in Medical Education at Northwestern University, earning a bachelor's degree in 1983 and a medical degree in 1985. After post-graduate research training at the University of California, San Francisco, he joined the School of Medicine's Department of Neurology faculty in 1994. In addition to his laboratory and teaching duties, Holtzman is involved in clinical and research activities at the University's Memory and Aging Project and the Alzheimer's Disease Research Center.

"David is an outstanding neurologist whose laboratory is now making major contributions to Alzheimer's disease research," said Dennis W. Choi, M.D., Ph.D., the Andrew B. and Gretchen P. Jones Professor and head of neurology at the medical school.

Paul Hagemann was a part of

the University community for more than 70 years. He earned a bachelor's degree in liberal arts from the University in 1930 and graduated cum laude from the medical school in 1934. After World War II, Hagemann returned to St. Louis, expanding his private practice and taking a staff appointment at the medical school. While serving as chief of medicine at St. Luke's Hospital, he established a program that became the University's Postdoctoral Primary Care Training Program in Internal Medicine.

A member of the Arts & Sciences Class of '38, the former Charlotte M. Flachmann was an elementary school teacher for several years in a small town near Galveston, Texas. After moving back to St. Louis in the 1940s, she was active in the University's Woman's Club. She also was a board member for Care & Counseling Inc., a pastoral counseling service in Ladue.

Estrogen therapy strengthens bones of frail elderly women

By DARRELL E. WARD

Researchers at the School of Medicine have found the first evidence that estrogen replacement therapy can significantly increase bone density in frail elderly women.

Their research is published in the Aug. 15 issue of the Journal of the American Medical Association.

Reduced bone mineral density (BMD) often leads to osteoporosis and fractures. This weakening of the bones can cause hip fractures, a leading cause of disability in the elderly. Doctors have known for some time that hormone replacement therapy in younger postmenopausal women does increase BMD and thereby reduce the risk of osteoporosis. But whether very elderly women would benefit from replacement estrogen has been a controversial question.

"We know that the most rapid period of bone loss is immediately after menopause when there is an acute cessation of estrogen production," said Dennis T. Villareal, M.D., assistant professor of medicine in the Division of Geriatrics and the paper's lead author. "That happens in women roughly 50 years old, and scientists believed that estrogen is less important later in life for bone health."

But these latest findings imply that even older populations can benefit from hormone replacement therapy.

Villareal and his colleagues examined 67 women aged 75 or older who were mild to moderately frail for nine months. Levels of frailness were established using an exercise stress test and a physical performance test that involved activities such as stair climbing and carrying objects.

The researchers also recorded the participants' observations of their own levels of impairment during daily activities such as bathing, dressing, eating and preparing meals.

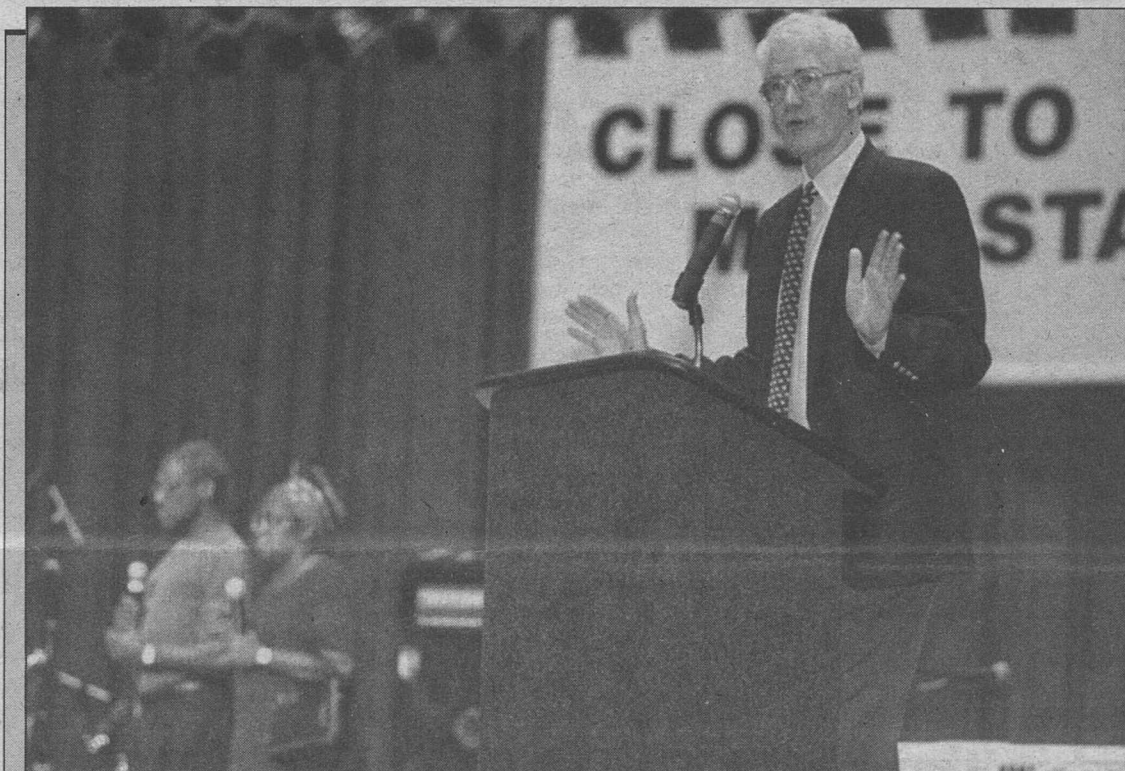
Of the 67 women, 45 were randomly assigned to receive hormone therapy. The remaining 22 received a placebo. Neither the participants nor the clinicians knew whether a given woman was in the hormone or the placebo group.

BMD of the total body and of the lumbar spine and upper femur, which are common sites of fracture, were measured at three-month intervals. In addition, the researchers analyzed blood and urine for indicators of bone resorption and bone formation.

Women receiving estrogen had significantly larger increases in BMD of the lumbar spine (3.9 percent) and of the femur (1.8 percent) than those in the placebo group.

Additional research is needed to determine whether this improvement also will reduce the incidence of fractures in frail elderly women. However, studies with younger postmenopausal women receiving drugs other than estrogen to prevent bone loss have shown similarly small increases in BMD and were able to reduce the risk of fractures by 40 percent to 50 percent.

"This is a very important finding," Villareal said. "Women in this age group constitute a rapidly expanding segment of our population and have the highest incidence of fractures and loss of independence. Our findings suggest that estrogen replacement therapy should be considered as one of the options for osteoporotic interventions in women 75 years of age and older."



Lost memories John C. Morris, M.D., Harvey A. and Dorismae Hacker Friedman Professor of Neurology and co-director of the Alzheimer's Disease Research Center (ADRC) at the School of Medicine, talks about the symptoms of Alzheimer's disease at the Missouri Black Expo at America's Center on Saturday. The "Reflection on Memories Lost" presentation, part of the ADRC's outreach to the African-American community, featured theatrical vignettes by St. Louis Black Repertory Company actors Dennis and Fannie Lebbby.

Liver regrowth depends on prostaglandins

By ANNE ENRIGHT SHEPHERD

Small fatty molecules called prostaglandins promote liver regrowth after injury, according to a study by researchers at the School of Medicine.

"When we blocked prostaglandin synthesis, we found that the liver's regenerative response was significantly impaired in a mouse model system," said David A. Rudnick, M.D., Ph.D., the study's first author and an instructor in pediatrics. "This finding brings scientists one step closer to understanding liver disease and developing potential treatments."

Prostaglandins help regulate

blood pressure, muscle contraction and blood clotting, but their role in liver regeneration was not well characterized. The research was reported last month in Proceedings of the National Academy of Sciences.

The work was performed in the laboratory of Louis J. Muglia, M.D., Ph.D., assistant professor of pediatrics, of obstetrics and gynecology and of molecular biology and pharmacology, and in collaboration with David H. Perlmutter, M.D., who is now at the University of Pittsburgh School of Medicine.

Unlike most organs, the liver

can grow back after infection, trauma, chemical damage or other assaults. In the mouse study, Rudnick and his colleagues removed part of the liver and watched it grow back over hours and days.

Rudnick noted that the ancient Greeks described liver regeneration. Prometheus, who stole fire from Zeus and gave it to humans, was punished by being chained to a rock. Every day, an eagle tore out his liver, which grew back completely every night. "That story has many things in common with our mouse model," Rudnick said. "The liver grows back until it is 100 percent of its former size, and then the regenerative response stops. If it is injured again, it can grow back again, and it can do this over and over."

The researchers now are determining how prostaglandins affect gene expression during liver regeneration.

Book fair set Sept. 5-7

The Department of Central Administration will host a book fair from 10 a.m. to 3 p.m. Sept. 5-7 on the second-floor link of the School of Medicine's Clinical Sciences Research Building. Books will be discounted 30 percent to 75 percent off retail prices.

Volunteers needed for prostate cancer prevention study

Researchers in the Division of Urologic Surgery are participating in the largest ever prostate cancer prevention study. This study will evaluate whether the dietary supplements selenium and vitamin E can protect against prostate cancer, the second most common cancer in men.

The University is one of 400 sites in the United States, Puerto Rico and Canada to participate in the Selenium and Vitamin E Cancer Prevention Trial (SELECT), which will take up to 12 years to

complete. The study, funded by the National Cancer Institute, will include 32,400 men.

"SELECT is the first study designed to look directly at the effects of vitamin E and selenium, both separately and together, in the prevention of prostate cancer," said Arnold D. Bullock, M.D., assistant professor of surgery and the principal investigator of the University's site. "Previous research involving vitamin E and selenium suggested that these nutrients might reduce the risk of

prostate cancer, but we don't know for sure."

During this year alone, prostate cancer will be diagnosed in 198,100 Americans, and more than 31,500 men are expected to die of the disease. In Missouri alone, 4,000 men will get prostate cancer and 600 will die of it. Risk factors for the disease include being older, being African-American or having a father or brother with prostate cancer.

To be eligible for the study,

men must be 55 or older. African-American men can enroll at 50 because of the higher risk. Participants cannot have had prostate cancer or any other cancer, except nonmelanoma skin cancer, in the last five years. They also must be in good health.

Men in the study from the St. Louis metropolitan area will visit the University's Urologic Research Center once every six months.

For more information, call Pam Parlow at 996-8282.

University Events

"Al Parker: Innovator in American Illustration" at alma mater

By LIAM OTTEN

A young mother kneels beside a purple baby carriage with her identically dressed daughter, an amused smile playing across her lips as the girl waves to the infant swaddled therein.

The image, which graced the cover of Ladies Home Journal in September 1947, was one of a hugely popular, 17-year-long series of "mother/daughter" paintings by Al Parker (1906-1985), the pioneering illustrator and St. Louis native recently honored with a U.S. Postal Service stamp.

The University, which houses Parker's archives, is honoring this distinguished School of Art alumnus with "Al Parker: Innovator in American Illustration," the first retrospective exhibition dedicated to Parker's work in more than three decades. It is running through Oct. 5 in the University's Special Collections, located on the fifth level of Olin Library.

The show — co-curated by Jeff Pike, dean of the School of Art; D.B. Dowd, associate professor of visual communications; and St. Louis illustrator Bill Vann — includes finished artworks, sketchbook pages, printer proofs, tear sheets and other archival materials.

A reception will be held from 5:30-7:30 p.m. Sept. 14; also on

Exhibition

WHO: Illustrator Al Parker

WHAT: "Al Parker: Innovator in American Illustration"

WHERE: Special Collections, fifth level, Olin Library

WHEN: Now through Oct. 5; reception, 5:30-7:30 p.m. Sept. 14

COST: Free and open to the public

HOURS: 8:30 a.m.-5 p.m. Monday through Friday

MORE INFO: Call 935-5495

that day, the art school will host a symposium on Parker's life and work in Steinberg Auditorium in Steinberg Hall. Both the exhibition and the symposium are free and open to the public.

In the 1940s, 50s and 60s, Parker's work for such major women's monthlies as Cosmopolitan, McCall's and Good Housekeeping chronicled — and, it might be argued, helped shape — the fashions, attitudes and aspirations of post-war America. At the same time, his distinctively modernist style and "full-page" approach would become virtually synonymous with the graphic look of those decades.

"In the years before television,

these guys were like rock stars," Dowd said of Parker and contemporaries like Norman Rockwell and Jon Whitcomb. "They created the images in which middle-class America saw itself — who they thought they were, who they wanted to be. Parker's work in particular, which was most often commissioned for publications aimed at female audiences, is a treasure trove for anyone interested in the evolution of culturally constructed roles for women."

"A lot of what we, as illustrators, do today, Parker invented," Dowd continued, adding that the exhibition will feature sections dedicated to the artist's creative and technical processes. "At core, he was a classic modernist: His work is all about pattern and color and shape, not just creating a pictorial 'window' into which the viewer peers. Image and lettering — he was a fabulous typographer — and graphic design all combine in a way that helped redefine the profession. Looking back, his work always seems to be years ahead of everyone else."

In addition to producing magazine covers and advertisements, the famously prolific Parker was an insightful interpreter of short fiction, illustrating works by Louis Auchincloss, Ray Bradbury, Pearl S. Buck and many

others. Rockwell, in a rare fan letter, exclaimed that "while the rest of us are working knee-deep in a groove, you are forever changing and improving. You have brought more freshness, charm, and vitality to illustration than any other living illustrator."

Yet Parker's very influence eventually would prove a source of vexation, as leagues of imitator's drowned his distinctive style in a sea of look-alikes. In the early 1950s, he staged a challenging, bravura response, single-handedly illustrated an entire issue of Cosmopolitan magazine.

"He used a different pseudonym and a different graphic style for each piece — the



School of Art alumnus Al Parker illustrated this piece for the May 1945 Ladies Home Journal.

magazine only revealed the feat the following month," Pike said. "It was simply an amazing performance, and only Al Parker could have pulled it off."

Gallery hours are 8:30 a.m.-5 p.m. Monday through Friday. For more information, call 935-5495.

Harbinger for New Physics • Jerker Deafness Mutation • Web Resources

"University Events" lists a portion of the activities taking place at Washington University Aug. 31-Sept. 12. Visit the Web for expanded calendars for the School of Medicine (medschool.wustl.edu/events/) and the Hilltop Campus (cf6000.wustl.edu/calendar/events/).

31). Des Lee Gallery, University Lofts Bldg., 1627 Washington Ave. 621-8735.

Lectures

Friday, Aug. 31

Noon. Art lecture. "Thomas B. Allen, Innovator of American Illustration: A Retrospective." Tom Allen, illustrator, will discuss his work. Steinberg Hall Aud. 621-8735.

4 p.m. Classics lecture. "Ancestors of Historiography in Early Greek Elegiac and Iambic Poetry?" Ewen L. Bowie, Corpus Christi College, Oxford, UK. Room 204 Eads Hall. 935-5123.

Tuesday, Sept. 4

6:15 p.m. Germanic Languages and Literatures lecture. "Nibelungischer Zorn

und Sein Höfisches Regulativ: Affekt und Affekt Kontrolle im "Nibelungenlied." Irmgard Gephart, U. of Bonn, Germany. Hurst Lounge, Room 201 Duncker Hall. 935-5106.

Wednesday, Sept. 5

11 a.m. Assembly Series. William Webster, former dir. of FBI and CIA. Graham Chapel. 935-5285.

3:45 p.m. Physics colloquium. "The Muon Anomalous Magnetic Moment: A Harbinger for New Physics." William J. Marciano, Brookhaven National Lab., Upton, N.Y. Room 204 Crow Hall (coffee 3:30 p.m., Room 241 Compton Hall). 935-6276.

Thursday, Sept. 6

8 a.m. Siteman Cancer Center lecture. Rena Schechter memorial lecture. "Human Gene Therapy: Triumph and Tragedy." Leon Rosenberg, prof. of molecular biology, Princeton U. Clopton Aud., 4950 Children's Place. 454-8566.

Noon-1 p.m. Genetics seminar. "Specification of Neuronal Identities in the Drosophila Nerve Cord." Stefan Thor, asst. prof. of neurobiology, Harvard Medical School. Room 823 McDonnell Medical Sciences Bldg. 362-2062.

4 p.m. NMR discussion group. "Drifting, Diffusing and Dispersing — Reactions and Research in Toroid NMR Detectors." Klaus Woelk, Inst. of Physical and Theoretical Chemistry, U. of Bonn, Germany. Room 311 McMillen Lab (coffee 3:40 p.m.) 935-6276.

Friday, Sept. 7

Noon. Cell biology and physiology seminar. "Subcellular Localization of Ras Proteins: Lessons From Yeast." Robert J. Deschenes, prof. of biochemistry, U. of Iowa, Iowa City. Room 426 McDonnell Medical Sciences Bldg. 362-6040.

4 p.m. Neuroscience seminar. "Developmental Interactions Between Sympathetic Neurons and Their Targets." Story Landis, neural development section, National Institutes of Health. Room 928 McDonnell Medical Sciences Bldg. 362-7043.

Monday, Sept. 10

Noon. Molecular biology and pharmacology seminar. "Defining Hormonal Responses With Engineered G Protein-coupled Receptors, Transgenic Signaling Molecules and Gene Expression Profiles." Bruce Conklin, investigator and asst. prof. of medicine and pharmacology, Gladstone Inst. of Cardiovascular Disease, U. of Calif., San Francisco. Room 3907 South Bldg. 362-2725.

4 p.m. Immunology Research Seminar Series. "Vaccines for Intracellular Pathogens." Herman Eisen, biology dept. and Center for Cancer Research, MIT. Eric P. Newman Education Center. 362-2763.

5:30 p.m. Mallinckrodt Inst. of Radiology G. Leland Melson Visiting Professorship and Lecture. "CT/MR of Pancreatic Neoplasms." Alec J. Megibow, prof. and vice chairman of radiology, NYU Medical Center, New York. Scarpellino Aud., first floor, 510 S. Kingshighway Blvd. 362-2866.

7 p.m. Architecture Monday Night Lecture Series. "Chicago Works." Doug Garofalo, assoc. prof. of architecture, U. of Ill., Chicago. Steinberg Hall Aud. (reception 6:30 p.m., Givens Hall). 935-6293.

Tuesday, Sept. 11

12:15 p.m. Molecular Microbiology and Microbial Pathogenesis Seminar Series. Frontiers in molecular biology seminar. "Reflections on an Earlier Time and Experience." Paul Berg, Cahill Prof. in Cancer Research Emeritus, Stanford U. Moore Aud., 660 S. Euclid Ave. 362-6772.

Wednesday, Sept. 12

11 a.m. Assembly Series. Dave Hickey, art and cultural critic; author, "Air Guitar: Essays on Art & Democracy." Co-sponsored by the School of Art. Graham Chapel. 935-5285.

4:15 p.m. Biochemistry and molecular biophysics seminar. "What Can the Jerker Deafness Mutation Tell Us About the Espin Actin-bundling Proteins?" James R. Bartles, assoc. prof. of cell and molecular biology, Northwestern U. Medical School, Chicago. Cori Aud., 4565 McKinley Ave. 362-0261.

Music

Thursday, Sept. 6

8-10 p.m. Holmes Jazz Series. Freddie Washington Quartet. Holmes Lounge, Ridgely Hall. 935-5581.

Sports

Wednesday, Sept. 5

7 p.m. Women's soccer vs. Principia

College, Elsah, Ill. Francis Field. 935-5220.

Friday, Sept. 7

4 p.m. Volleyball WU Classic vs. Westminster College, Fulton, Mo. (Also 8:30 p.m. vs. U. of St. Francis, Joliet, Ill.) Field House. 935-5220.

Saturday, Sept. 8

10 a.m. Volleyball WU Classic vs. Webster U., St. Louis. (Also 3 p.m. vs. Concordia U., Moorehead, Minn.) Field House. 935-5220.

6 p.m. Football vs. Ill. Wesleyan U., Normal. Francis Field. 935-5220.

Wednesday, Sept. 12

7 p.m. Men's soccer vs. Westminster College, Fulton, Mo. Francis Field. 935-5220.

And more...

Thursday, Sept. 6

8 p.m. Writing Program Reading Series. Zachary Lazar, author and visiting writer-in-residence, English dept. and Writing Program, will read from his work. Hurst Lounge, Room 201 Duncker Hall. 935-7130.

Saturday, Sept. 8

7:30 a.m. Continuing Medical Education seminar. "Practical Management of Arrhythmias." Cost: \$55 (includes breakfast and lunch). Eric P. Newman Education Center. 362-6891.

11 a.m. Olin Dance Studio master class. "Intermediate Modern Technique." Donald McKayle, dancer and distinguished visiting scholar. Olin Dance Studio, Ann W. Olin Women's Bldg. To register, call 935-5858.

Tuesday, Sept. 11

9:30 a.m. ScienceDirect. "Web Resources for the World's Scientific, Technical and Medical Research Community." (Also Sept. 12, same time.) Co-sponsored by the Bernard Becker Medical Library and ScienceDirect. Sea Shell Lobby, McDonnell Medical Sciences Bldg. 362-4736.

Wednesday, Sept. 12

4 p.m. Dance Program lecture-demonstration. Donald McKayle, dancer and choreographer, will discuss his legendary *oeuvre* and PAD students will perform sections of "Rainbow Etudes." Olin Dance Studio, Ann W. Olin Women's Bldg. 935-5858.

Exhibitions

"Al Parker: Innovator in American Illustration" Through Oct. 5. WU Special Collections, fifth floor, Olin Library. 935-5495.

"Muses and the Healing Art." Through Aug. 31. Glaser Gallery, The Bernard Becker Medical Library, 660 S. Euclid Ave. 362-4235.

"Thomas B. Allen, Innovator of American Illustration: A Retrospective." Through Sept. 16 (reception 6 p.m. Friday, Aug.

Lazar launches fall reading series

By LIAM OTTEN

Novelist Zachary Lazar, author of "Aaron, Approximately" and the forthcoming "Acanthia," will read from his work at 8 p.m. Thursday for the Writing Program in Arts & Sciences' Fall Reading Series.

Lazar is visiting writer-in-residence for the fall semester in the Department of English in Arts & Sciences.

The reading is free and open to the public and takes place in Hurst Lounge, located in Duncker Hall Room 201. A book signing will follow the reading, and copies of Lazar's works will be available for purchase.

"Both of Zachary's novels are dry and smart, funny and dark, and both are full of his beautiful sentences," said Marshall Klimasewski, assistant professor of English. "He's a quiet, terrific stylist,

totally unmannered. 'Aaron, Approximately' is essentially a bildungsroman, but along the way it also evolves into a terrific book about Americans abroad and the perils of self-awareness.

"And 'Acanthia,' the big, amazing novel that he's just finished, is set on a thoroughly detailed imaginary island. It's about race and colonialism and American violence and a sort of social entropy. Lazar is a wonderfully versatile, wonderfully ambitious writer."

A New York City resident, Lazar graduated from the University of Iowa Writers' Workshop and teaches at Hofstra

University in Hempstead, N.Y. He has received fellowships from the Fine Arts Work Center in Provincetown, Mass., and the James-Michener-Copernicus Society.

For more information, call 935-7130.



Lazar: To read Thursday

Lifelong Learning Institute to host address, open house Sept. 7

By JESSICA N. ROBERTS

The Lifelong Learning Institute (LLI) of University College in Arts & Sciences will host its first Fall Address and Open House from 1-4 p.m. Sept. 7.

The free event will feature a lecture titled "Is Dementia Inevitable With Age?" by John C. Morris, M.D., the Harvey A. and Doris Mae Hacker Friedman Professor of Neurology in the School of Medicine. The address will be held in Room A/B on the lower level of the West Campus Conference Center; reservations are required.

Morris, who is also the co-director of the Alzheimer's Disease Research Center and the director of the Center for Aging, the Memory Diagnostic Center and the Memory and Aging Project, researches the various avenues to detect and improve treatment of Alzheimer's disease. Chancellor Mark S. Wrighton and Robert Wiltenburg, Ph.D., dean of University College, will also speak.

An open house at LLI's new facility, located at 9 N. Jackson Ave., will follow the address from 2:30-4 p.m. Reservations are not required for the open house.

LLI's new facility was constructed to the specifications of the

institute, containing three classrooms, a lounge, a kitchen area and general office space.

Two impressive art collections adorn the hallways and classrooms. The first, a priceless collection of more than 40 original posters from musical theater productions from all over the world, was given to LLI on an extended loan by John Lesser.

Lesser began collecting posters during the early 1960s while he was a University student in art history in Arts & Sciences. The artists represented in his collection run the gamut from important painters such as Henri de Toulouse-Lautrec and David Hockney to those whom little, if any, biographical information is known.

Jane Burton, a member of LLI, produced the second art collection. Burton's work was created on a computer and is based on the colorized images of underground garage and warehouse scratchings and graffiti.

LLI offers a variety of study groups based on cooperative learning and member involvement to seniors in the community. The Elderhostel Institute Network, a group with more than 250 affiliates in the United States and Canada, chartered the institute in 1996.

"Our success and growth in offering education to seniors has been phenomenal," said Richard Diemer, director of LLI. "We have nothing but thanks for the University for being so supportive. They've provided a wonderful space and staff for the institute. Chancellor Wrighton and Dean Wiltenburg always take the opportunity to endorse the LLI as a community resource."

LLI members assume responsibility for sharing their knowledge with one another in fields such as art, literature, current events, history, music, philosophy and science. As a peer-drive organization, all programs are planned, developed and presented by institute members and include study groups, lectures, field trips, workshops, cultural and social events and a special lecture series. Three regular terms — fall, winter and spring — and a summer term are offered.

Each study group meets once a week for two hours during the eight-week term. Some groups may continue their study in subsequent terms as special interest groups, but new topics are added each term by the institute's curriculum committee, made up of members.

Law school applications leap 32 percent

By ANN NICHOLSON

The 225 first-year law students who began classes last week were gleaned from a record number of applicants to the School of Law. The school's 2,440 applications for fall enrollment also set a record for the percent increase in applications, which were up about 32 percent from last year's 1,850 applications.

"I am delighted that our admissions process achieved these record results, which allow us to continue our goals of increased student quality and diversity," said Joel Seligman, J.D., law school dean and the Ethan A.H. Shepley University Professor.

"One of the major reasons I believe we are doing so well is our reputation for being 'student-centered,'" he continued. "This reputation is consistent with our students' high regard for the quality of teaching and accessibility of our faculty, as reflected in a recent student survey. It is also consistent with such recent

developments as small sections for first-year students; guaranteed placement in our nationally recognized clinical program; an increase in the number of admissions and career services staff; and a three-year commitment to student scholarship support."

As for the national picture, only about 10 law schools have seen such a significant jump in applications.

"Law school applications are up in general among the 180 accredited law schools, but not anything like as much as the more than 30 percent we are experiencing," said Janet Bolin, J.D., assistant dean for admissions and financial aid at the law school.

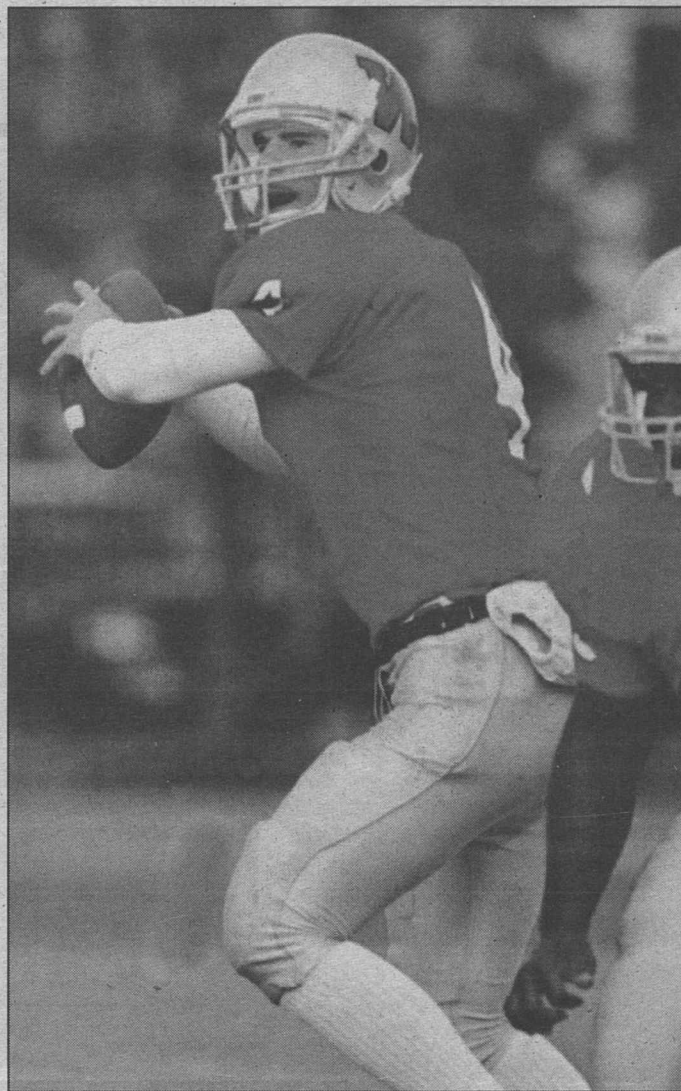
"The national average is up about 7.6 percent, which may in part reflect the overall national surge in undergraduate applicants four and five years ago. These students may now be seeking to attend graduate school."

Bolin notes that anecdotal information and information

from the law school's application form also indicate that in addition to the school's "student-centered" focus, several new initiatives are helping to attract students here. These include the launching of a new Institute for Global Legal Studies and a Center for Interdisciplinary Studies; the new master's degree program in intellectual property and technology law, which allows expanded IP course offerings for J.D. students; and the school's fairly recent opening of a state-of-the-art building, which has been ranked among the top 10 "most wired" law schools in terms of information technology by National Jurist.

As for the law school's master's degree programs, 44 international master of laws students have enrolled this fall, up from the past year's 28. Offered for the first time, the intellectual property and technology law program has 11 students. The school expects to see continued growth in both of these advanced-degree programs.

Sports



Senior Brian Tatom returns for his second season as the University's starting quarterback. The Bears kick off the 2001 campaign at 1 p.m. Saturday at Westminster College in Fulton, Mo.; their home opener is at 6 p.m. Sept. 8 against Illinois Wesleyan University.

Cross country preview

The University's cross country teams had a successful season in 2000 as the men grabbed their second-straight University Athletic Association (UAA) title and the women placed 18th at the NCAA meet. Now with new coach Jeff Stiles, the Bears are looking to continue their winning ways. The schedule will take the teams to six away meets; the only home meet this season is the Great Midwest Classic Oct. 20 at Forest Park.

Women: For the Bear women, sophomore Emily Lahowetz and junior Melanie Mikecz are the top returnees. Senior Andrea Newberry and sophomore Mindy Kuhl will be regular contributors, and freshmen Maggie Grabow and Lauren Grabski could provide an immediate impact.

Men: Senior Pat MacDonald, who earned an individual trip to the NCAA Championships last year, is the top returnee for the men's team. Further leadership will come from seniors Travis Deutman and Jeremy Mikecz, and sophomore Matt Hoelle was a first team all-UAA selection last year and was also named the UAA's rookie of the year. Stiles also expects seniors Brian Barclay, Dave Gutenkunst, Dan House, Justin Mikecz and Bryan Tilton to provide depth in the Bears lineup.

New coach: In addition to holding the head coaching position for both men's and women's cross country, Stiles will also serve as assistant

coach for men's and women's track and field. He comes to the University from Southwest Missouri State University, where he served as assistant cross country and track and field coach the past two years. During Stiles' two seasons, the women's track and field squad captured a third consecutive indoor conference championship and its first outdoor conference title.

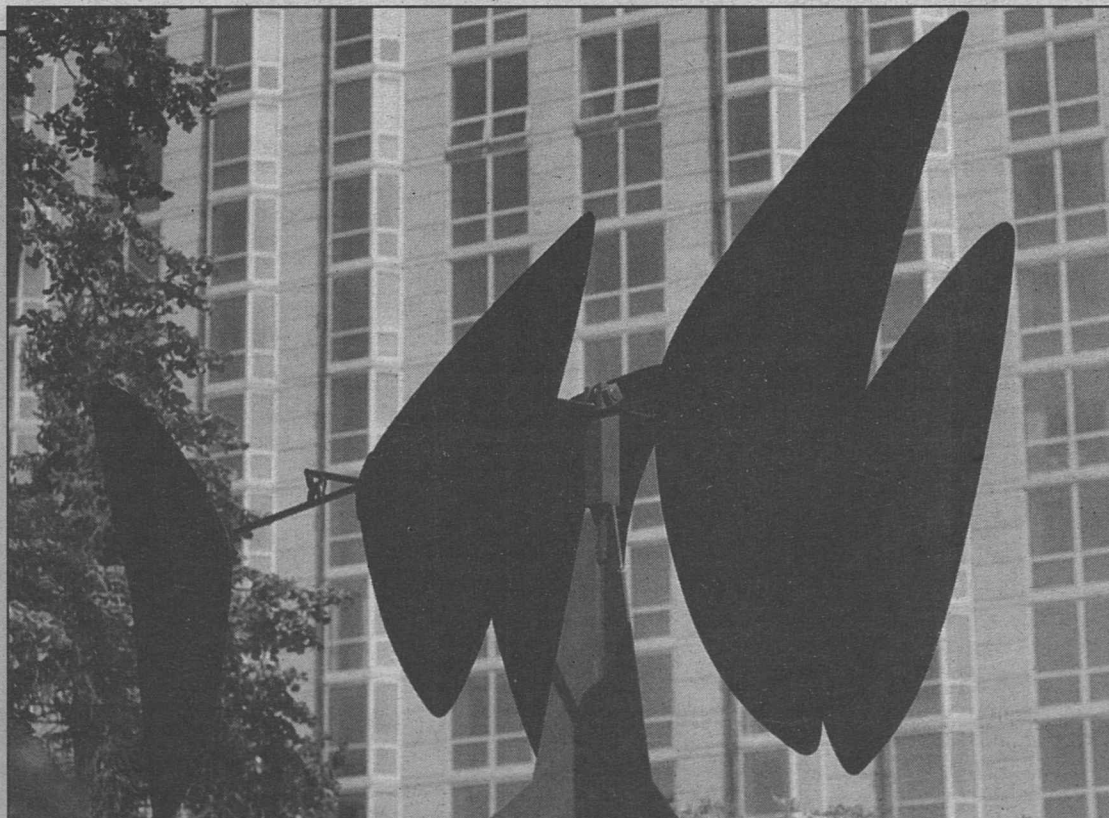
Other new coaches

Roger Follmer has been named the new head coach for the men's tennis program. Follmer becomes the first full-time tennis coach at the University in more than 25 years. Follmer arrives from the U.S. Naval Academy, where he served as the men's tennis assistant coach for the past two seasons.

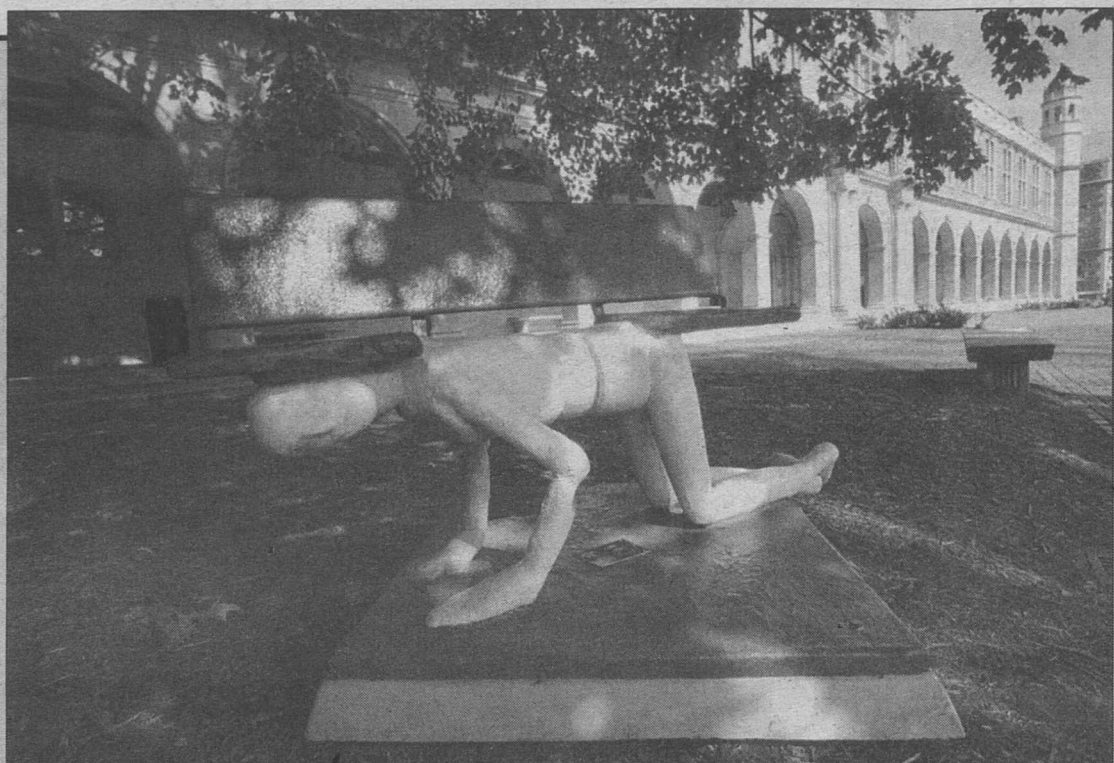
Steve Rubin has been named head coach for the men's and women's track and field programs. Rubin arrives from the University of Miami, where he spent the last nine years as assistant coach for the Hurricane women's team. Working primarily with the field events, Rubin helped establish Miami as one of the top squads in the Big East Conference and an emerging force on the national scene. At Emory University, Rubin won a pair of UAA championships in the triple jump.

On the Internet

For more sports information, go to bearsports.wustl.edu.



Calder in Clayton Visitors to Shaw Park's Centennial Garden can now experience the work of one of the 20th century's most renowned sculptors. Alexander Calder's monumental "Five Rudders" (1964), which normally resides at the entrance to Steinberg Hall on the Hilltop Campus, is on loan from the Gallery of Art to the city of Clayton during the renovation and new construction phase of the University's Visual Arts and Design Center. An unveiling ceremony for the sculpture will be held at 5 p.m. Sept. 7 in Shaw Park.



Have a seat "RE-POSE," by Linda Horsley, is in the southwest corner of Brookings Quadrangle. The University sponsored the piece, which is part of "The People Project," an initiative that features figures fashioned by local artists from life-size bendable mannequins and "adopted" by sponsors. The People Project was produced by the St. Louis Regional Arts Commission and FOCUS St. Louis to promote and support the arts in the St. Louis region. The "People Figures" are on display through September throughout the St. Louis region.

Award

Spitznagel winner of prestigious MAA award

— from Page 1

scribe his courses. He applies statistics to research in many fields and uses his experience in developing new teaching materials. He makes innovative use of the computer in his classroom.

"With remarkable energy, Spitznagel collaborates with investigators in such diverse fields as medicine, pharmacology, marketing, engineering and psychology. His breadth of scholarship and his feeling for the practical find immediate application to his teaching. In fact, he considers his research and teaching seamless. In Spitznagel's own words, 'Because what I publish addresses problems in the world, there is no problem bringing it to the classroom.'

"Here is one example of his approach. When the department decided to create a calculus sequence for pre-med students,

"... our whole department knows that Ed richly deserves it."

STEVEN KRANTZ

Spitznagel devised a course based on research in pharmacokinetics that introduces students to both statistical and calculus techniques in medicine. It has been received enthusiastically both by students and their pre-med advisers."

Spitznagel has been the recipient of student recognition on several occasions, having received the Council of Students of Arts & Sciences teaching award three times, in 1979, 1982 and 1993, as well as having received the 1986 Homecoming Award.

In 1989, he received a faculty achievement award from the Burlington Northern Foundation for outstanding teaching and contributions to undergraduate education. In 2000, Spitznagel received the MAA-Missouri Award for Distinguished Teaching; winning the regional award qualified him for the MAA Haimo award.

Series

Fall schedule starts Wednesday with Webster

— from Page 1

American Bar Association, the Council of the American Law Institute, Order of the Coif, the Missouri Bar Integrated and the Metropolitan St. Louis Bar Association.

Additionally, he served as chairman of the Corporation, Banking and Business Law Section of the American Bar Association. He is a fellow of the American Bar Foundation and an honorary fellow of the American College of Trial Lawyers.

Writer and art critic **Dave Hickey** will give a talk for the Assembly Series Sept. 12. An important and influential voice in the art world, Hickey is the author of two books of critical essays, "The Invisible Dragon: Four Essays on Beauty" and "Air Guitar: Essays on Art and Democracy," and numerous articles that have appeared in many American publications such as Rolling Stone, Interview, Harper's and Vanity Fair. Hickey is the former executive editor of Art in America magazine, and currently he teaches art criticism at the University of Nevada, Las Vegas.

Dancer/choreographer **Donald McKayle**, who will serve as a distinguished visiting scholar at the University this fall, will give a lecture/video screening titled "A Life in Dance" Sept. 13 at 4 p.m.

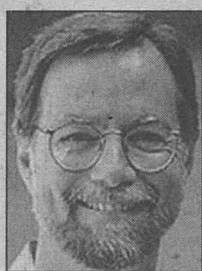


McKayle

McKayle made his professional debut in 1948. During a career that has spanned five decades, he has choreographed more than 50 works for companies in the United States and many other countries. In addition to these contributions, McKayle has choreographed and directed for Broadway, television and film. He is currently a professor of dance at the University of California, Irvine.

Robert Frank, a noted economist and author of several books, will speak Sept. 19. Frank's books reflect a strong interest in

economics and social policy issues. His works include "Choosing the Right Pond: Human Behavior and the Quest for Status," "Passions Within



Frank

Reason: The Strategic Role of the Emotions," "Micro-economics and Behavior," and "Luxury Fever." His most critically acclaimed book is "The Winner-Take-All Society." In addition to monographs, Frank is a frequent contributor to The New York Times. He is the Goldwin Smith Professor of Economics, Ethics and Public Policy at Cornell University, and holds a joint appointment in Cornell's Johnson School of Management.

Artist, designer and sculptor **Maya Lin**, whose name is inextricably linked with the Vietnam Veterans Memorial, will discuss her work Sept. 26.



Lin

Although initially criticized for her design of the Vietnam Veterans Memorial, the then-Yale architecture student was vindicated when the monument was unveiled in 1982. It now enjoys the distinction of being the most-visited monument in the country. In addition to memorial structures, Lin has created sculptures, buildings, interiors, residences and furniture. Her memoir, "Boundaries," was published last year.

Although best known for serving as secretary of Housing and Urban Development under President Clinton, **Henry Cisneros**, who will speak Oct. 3, has been successful in a number



Cisneros

of professions. Currently he is the chairman and chief executive officer of American City Vista, a company that markets properties as competitively priced "villages within cities." Before that, Cisneros was

president and chief operating officer of Univision Communications, a Spanish language network. He was the first Mexican-American mayor of a major American city, serving San Antonio for four terms in the 1980s. Cisneros will speak on "Governing the New America: Leadership and Diversity."

Criminologist **Wendy Chan** will discuss her research on women and the criminal justice system for the Olin Conference Lecture Oct. 10. Chan, a professor of criminology at Simon Fraser University in Burnaby, British Columbia, has written "Women, Murder and Justice" The book examines, from a feminist perspective, the legal treatment in England of women who kill their partners. Chan has also co-written a book on racism and crime, "Crimes of Colour: Racialization of the Criminal Justice System in Canada."

The Arthur Holly Compton Memorial Lecture Oct. 17 will feature renowned scientist **Ralph J. Cicerone**. As an expert on the chemical composition of the atmosphere and the human-induced changes to it, Cicerone has been a leading voice in educating policy-makers about the effects of greenhouse gases on Earth's ozone layer. Cicerone is the Daniel G. Aldrich, Jr. Professor at the University of California, Irvine, and was appointed chancellor in 1998.

There is no lecture scheduled Oct. 24.

Addressing the Black Arts & Sciences Festival theme, "Hip-Hop: A Cultural Revolution," is influential hip-hop artist **KRS-One**, speaking Oct. 31. A pioneer in rap music, he is considered to

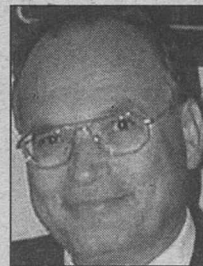


KRS-One

be one of the first to address serious issues facing minority communities in his music. Since his debut in 1986, KRS-One has produced more than 10

albums and has helped produce music for a number of recording artists, including Billy Bragg, the Neville Brothers and R.E.M. **Bernardino Fantini**, a historian of medicine, will give this year's Thomas Hall Lecture Nov. 1 in Rebstock Hall Rom 215. Fantini is a distinguished scholar and an expert on the history of blood groups and transmissible diseases. He holds dual appointments as professor of the history

of medicine at University of Geneva and University of Lausanne, Switzerland. In



Fantini

addition, he is the director of the Louis Jeantet Institute for the History of Medicine at the University of Geneva and also is the director of the Swiss-Romand University Institute for the History of Medicine and Health at the University of Lausanne.

The question "A Holocaust Memorial for Berlin?" will be addressed by **James Young** for

the Holocaust Memorial Lecture Nov. 7. Young is the author of "Writing and Rewriting the



Young

Holocaust" and "The Texture of Memory," which won the National Jewish Book Award in 1994. He chairs the Judaic studies department

and also teaches English at the University of Massachusetts Amherst.

For more information, call 935-5285 or visit the Assembly Series Web page at wupa.wustl.edu/assembly.

Employment

Use the World Wide Web to obtain complete job descriptions. Go to <https://hr.wustl.edu/> (Hilltop) or <http://medicine.wustl.edu/wumshr> (Medical).

Hilltop Campus

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

Research Technician 000256

Research Assistant 010023

Administrative Secretary 010032

Senior Medical Sciences Writer 010108

Senior Prospect Researcher 010236

Reference/Subject Librarian (Psychology) 010241

Reference/Subject Librarian (German) 010242

Research Technician 010250

Deputy Police Officer 010273

Director III 010276

Site Operator/Technician 010279

Catalog Librarian 010290

Regional Director of Development 010314

Department Secretary (part time) 010317

Administrative Assistant I 010333

Custodian and Maintenance Assistant (part time) 010349

Administrative Assistant (part time) 010358

Associate Director, BSBA Advising and Student Services 010375

Administrative Assistant of International Writers Center 010379

Associate Director of Capital Projects 010385

Reference/Subject Librarian 010387

Assistant Technical Director 010391

Assistant Director Corporate/ Foundation Prospect Management Systems 010398

Event Coordinator 010399

Unix Systems Manager 010409

Serials Librarian 010415

Accountant 010416

Director of External Programs 020001

Department Secretary 020003

Regional Director of Development 020005

Admissions Counselor (part time) 020007

Director of Corporate Outreach/Executive Programs 020008

Administrative Assistant/ Receptionist 020009

Government Grants Specialist II 020020

Department Secretary 020021

Editor's Assistant (part time) 020022

Lab Technician 020023

Receptionist/ Secretary 020025

Administrative Assistant 020026

Administrative Assistant 020027

Technical Director 020028

Library Technical Assistant (Support Services) 020032

Grants Coordinator 020033

Accounting Assistant 020035

Assistant Graphic Designer 020036

Career Center Project Leader 020039

Director of Career Center Planning and Placement 020041

Associate Coordinator of Gift Acknowledgements 020042

Receptionist 020043

Administrative Assistant 020044

Departmental Secretary 020045

Regional Director of Development 020046

Accounts Receivable Service Representative 020047

Administrative Assistant 020050

Lab Technician 020052

Media/Editorial Advisor 020053

Research Technician 020054

Director of Executive MBA Student Services 020055

Library Tech Assistant 020056

Advisor to International Students/Scholars 020057

Department Secretary 020058

Administrative Assistant 020059

Assistant Crew Coach (part time) 020060

Director of Development 020061

Administrative Coordinator of Student Records 020063

Director of Annual Giving Programs 020064

Senior Site Operator 020065

Director of Parent Programs 020066

Director, International Alumni & Development Programs 020067

Library Technical Assistant 020068

Working Supervisor (Bargaining Unit Employee) 020069

Student Records Administrator 020070

Working Supervisor (Bargaining Unit Employee) 020072

Lab Technician 020073

Data and Communications Coordinator 020074

Medical Campus

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

Grant Assistant III 020008

Audiological Technician 020347

Secretary III 020353

Supervisor, Clinical Office 020359

Senior Research Technician 020361

Insurance Billing and Collection Assistant II 020402

Notables

Introducing new faculty members

The following are among the new faculty members on the Hilltop Campus. Others will be introduced periodically in this space.

Raymond T. Sparrowe, Ph.D., assistant professor of organizational behavior in the Olin School of Business, comes from Cleveland State University, where he was assistant professor of management and labor relations. Among his research interests are social networks and the performance of individuals and groups, the effects of leader-member exchange on employee empowerment, and empowerment and management in the hospitality industry. Sparrowe earned a bachelor's degree in psychology in 1971 from the University of California, Santa Barbara, a master of business administration degree in 1989 from Michigan State University and doctorate in organizational behavior in 1998 from the University of Illinois at Chicago.

Tat Y. Chan, Ph.D., assistant professor of marketing in the Olin School of Business, comes from Yale University, where he taught in the department of economics. Among his research interests are industrial organization, applied economics, applied microeconomics, microeconomic theory, and marketing in the soft drink industry. He earned bachelor's (1992) and master's (1994) degrees in economics from the University of Hong Kong, and a master of arts degree (1998), a master's degree in philosophy (1999) and a doctorate (2001) from Yale.

Alexander David, Ph.D., assistant professor of finance in the Olin School of Business, arrives from the Federal Reserve Board in Washington, D.C., where he served as an economist since 1995. David's research interests include options prices, business-cycle risk, stock market confidence, and inflation and earnings. He earned a bachelor's degree in economics with honors in 1986 from St. Stephen's College at the University of Delhi, India; a master's degree in economics in 1988 from State University of New York at Stony Brook; and a doctorate in economics in 1994 from the University of California, Los Angeles.

Angela K. Davis, Ph.D., assistant professor of accounting in the Olin School of Business, comes from the University of Washington, Seattle, business school, where she taught financial accounting, managerial accounting and financial reporting. Her research interests include the impact of financial accounting disclosures on capital markets, incentives that influence managers' accounting choices, and security analysts' earnings forecasts and recommendations. Davis earned a bachelor of science in business with honors in 1993 from the University of Idaho and a doctorate in accounting in 2001 from the University of Washington's business school.

Of note

Sally Goldman, Ph.D., professor of computer science, has received this year's Governor's Award for Excellence in Teaching. Each year, the University is invited by the Coordinating Board for Higher Education to select a faculty member to receive the award. Criteria for selection include effective teaching and advising, service to the University community, commitment to high standards of excellence and success in nurturing student achievement. Goldman will receive the award in December at the Governor's Conference on Higher Education in Kansas City, Mo. ...

Nathan Kleekamp, a student in his first year of studies toward a master's degree in Islamic and Near Eastern studies in Arts & Sciences, received a \$1,750 graduate fellowship from the Lambda Chi Alpha Educational Foundation. He and 40 other students in North America were awarded scholarships based on academic achievement, campus involvement and financial need. ...

Linda M. Mundy, M.D., assistant professor of medicine in the School of Medicine, and **Michael D. Moll**, vice dean for business affairs in the School of Engineering and Applied Science, were chosen to participate in FOCUS St. Louis' 2001-02 Leadership St. Louis program. The group of 59 leaders chosen from the area's community organizations and business will meet two days a month for nine months. The goal of the program is to improve understanding of critical issues facing the area and to improve leadership skills. ...

Ron Cytron, Ph.D., associate professor of computer science, has been named editor in chief of Transactions on Programming Languages and Systems, a peer-reviewed journal published six times a year by the Association of Computing Machinery. ...

Bamin Khomami, Ph.D., the Francis F. Ahmann Professor of Chemical Engineering, is the recipient of a three-year, \$114,800 National Science Foundation grant for his study, "Entangled Polymers in Time-dependent Complex Flows: Experiment and Computation." Khomami also organized and chaired the XIIth International Workshop on Numeric Methods for Non-Newtonian Flows, held

in Monterey, Calif., in July; presented an invited lecture, "Viscoelastic Flow Instabilities," at Ohio State University in May; and recently presented five papers at international conferences. ...

Ramesh Sureshkumar, Ph.D., professor of chemical engineering, in collaboration with several other universities and research groups, has received a three-year, \$424,213 grant from Defense Advanced Research Project Agency for "DNS Modeling and Optimization of Friction Drag Technologies Using Polymeric and Surfactant Systems." ...

Speaking of

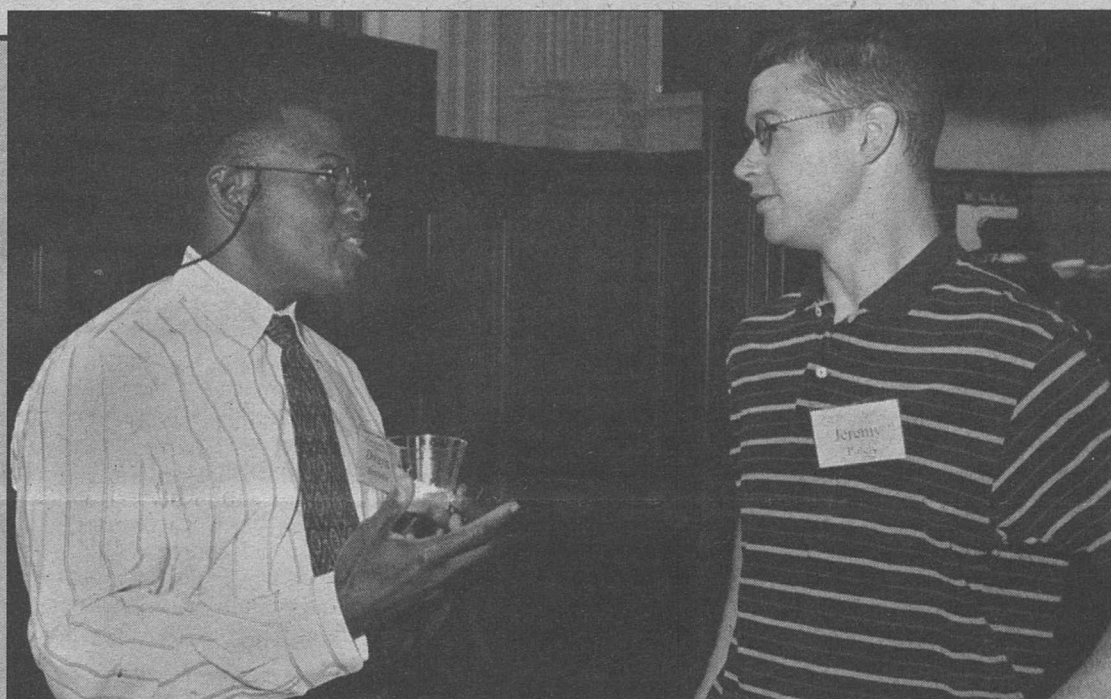
Muthanna Al-Dahhan, Ph.D., assistant professor of chemical engineering, presented two invited lectures in June: "Engineering Studies of Photobioreactors Via Advanced Diagnostic Techniques" at a meeting "Biochemical Engineering XII: Back to the Future: Application of Biochemical Fundamentals to Modern

Problems" in Sonoma, Calif.; and "Advanced Diagnostic Techniques for Three-phase Slurry Bubble Column Reactors" at a Department of Energy University Coal Research Meeting in Pittsburgh. ...

Pratim Biswas, Ph.D., the Stifel and Quinette Jens Professor of Environmental Engineering, gave the plenary talk at the International Nanoparticle Symposium held in July in Korea. The title of the talk was "Nanostructured Titania Powders and Films: Development Challenges." Biswas also organized a National Science Foundation workshop on nanoparticles, also in July in Korea. In addition, he has received a \$60,000 Environmental Protection Agency contract for his study, "Flame Synthesis of Nanostructured Titanium Dioxide Films and Construction of an Effective Light Distribution Reactor." ...

Milorad Dudukovic, Ph.D., chemical engineering department chair and the Laura and William Jens Professor of Environmental Engineering, traveled to Belgrade,

Yugoslavia, in June to accept a diploma regarding his election as a foreign member of the Yugoslav Academy of Engineering. He was elected to membership in the academy in April 1999. He also delivered several talks: An invited keynote address on "Experiments and Modeling of Opaque Multiphase Reactors" at the Fourth International Congress on Multiphase Flows in New Orleans (May); an invited plenary lecture on probing of multiphase opaque flows by radioactive techniques at the First International Congress on Tracers and Tracing Methods in May in Nancy, France; an invited plenary lecture on "Liquid Solid Risers" at the Engineering Foundation Conference CRE-VIII On Novel Reactor Engineering for the New Millennium in June at Castelvécchio Pascoli, Italy; and in invited lecture on "Advanced Experimental Techniques for Reactor Design and Scale-up" at an ECI Technologies Conference, Reactor Engineering for the New Millennium, in July in Milan, Italy.



A call to education At the University College in Arts & Sciences Convocation Aug. 21 at Holmes Lounge in Ridgley Hall, Dwayne D. Simmons, Ph.D. (left), research associate professor of auditory neurophysiology in the School of Medicine and husband of D'nisa Simmons, business manager and assistant to the dean of University College, speaks with Jeremy Patch, administrative secretary in University College. Chancellor Mark S. Wrighton and Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences, welcomed the students and encouraged them to take advantage of the resources available to them through the University. The guest faculty speaker was Repps Hudson, instructor in the communications and journalism program at University College and business writer at the St. Louis Post-Dispatch. Diane Willis, an adviser at University College, Susan Hammack, an anthropology student, and Robert Wiltenburg, Ph.D., dean of University College, also spoke. University College, the evening and weekend division of Arts & Sciences, is celebrating its 70th year of providing adult and continuing education in the St. Louis region.

Campus Watch

The following incidents were reported to University Police Aug. 19-27. 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 rescomp.wustl.edu/~wupd.

Aug. 22

5:38 p.m. — The Hawaiian Club reported \$800 was taken from the club's cash box in Prince Hall. There was no forced entry to the room or cash box. The theft occurred between May 5-Aug. 19.

Aug. 23

7:21 p.m. — A law student reported that an unknown person broke into his red Ford Mustang parked on the lower level south side of Millbrook Garage between 2-7:20 p.m. The vehicle's passenger side door was forced open and two car stereos, a portable compact disc player, a plastic compact disc holder and approximately 55 compact discs were taken. Total loss is valued at \$1,360.

Aug. 24

1:21 a.m. — Two students were

wrestling and/or playing around when one of the students hit the black glass on the west side of the patio of Bear Mart, shattering the window. The incident was referred to the judicial administrator.

Aug. 26

12:02 a.m. — A University student threw a beer bottle at an occupied vehicle on the upper level of the Lien Garage. The bottle hit a back-seat passenger and the driver. No serious injuries were reported and the student was taken into custody by University Police for third-degree assault.

Additionally, University Police responded to seven reports of theft, six reports of vandalism and one report each of suspicious persons and disturbing the peace.

Civil engineering undergraduate visits Japan, receives high honor for paper

R Tyler Ranf, a senior in civil engineering, was selected to travel to Japan this June as part of the Natural Hazard Mitigation in Japan Program sponsored by the National Science Foundation. Ten students and three faculty members from the United States spent 12 days in the Kyoto, Kansai and Tokyo areas visiting university- and industry-research laboratories.

All of the students presented their recent research activities at the Young Research Symposium held June 25 in Tokyo.

Ranf and two students from Florida A&M University also

spent a few days at the beginning of the trip at the University of Tokyo to coordinate an undergraduate research program for civil engineering students in advanced technology. This program is planned to begin in summer 2002 and will be a joint effort between Washington University and Florida A&M.

In addition, Ranf received the 2000 Earthquake Engineering Research Institute undergraduate research award for the best paper by all civil engineering undergraduates across the nation.

African and Afro-American studies sponsors trip

The Department of African and Afro-American Studies in Arts & Sciences is sponsoring a trip at 3:30 p.m. Sept. 11 to the Missouri Botanical Garden to see "Chapungu — Custom and Legend: A Culture in Stone." Space is limited to 50 students to attend a talk and demonstration. Students must make reservations by today. Call Toni Loomis at 935-5073 to make reservations and get directions.

Washington People

At age 15, Katherine Jahnige was in Mexico on a trip with the Girl Scouts, and she learned a lesson she's never forgotten.

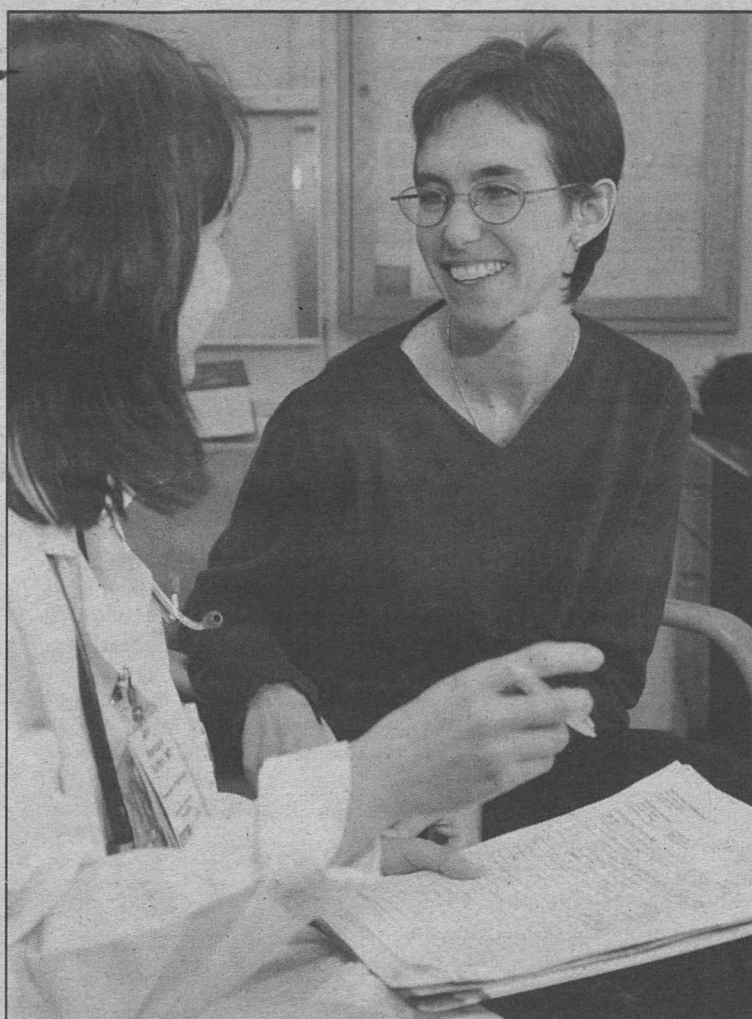
One morning, she and the other girls awoke for breakfast to find an entirely different seating arrangement. A few girls sat at a table labeled "First World." The table was under a roof but otherwise open for all to see. It held piles of fresh fruits, a large pot of scrambled eggs, as well as meats and breads.

A second group was seated at a table labeled "Second World," which had cereal, juice and rolls — enough for an adequate breakfast, but no more. Jahnige was in the largest, "Third World" group. These girls sat on mats on the ground and each was given a handful of rice from a pot.

"That was all the food we got until lunch," Jahnige said, "and we were left to deal with it." What struck her was how the "First World" girls seemed self-conscious about their abundance, "but it didn't occur to them to share with the rest of us."

"That trip to Mexico, and that event in particular, sensitized me as to how wealthy we are and how much economic inequity there is in the world."

Travel, mixing with other cultures, empathy for the poor,



Katherine Jahnige, M.D. (right), talks with fourth-year resident Barbara Buttin, M.D., about preoperative management for a patient with severe anemia.

Building critical relationships

Katherine Jahnige, M.D., increases the diversity of people participating in the Siteman Cancer Center's services and programs

By Darrell E. Ward

and a drive to help the disadvantaged are recurring themes throughout the life and career of Katherine Jahnige, M.D., community outreach coordinator for the Alvin J. Siteman Cancer Center of the School of Medicine and Barnes-Jewish Hospital.

Jahnige, a specialist in obstetrics and gynecology, is working to increase the diversity of people participating in the services and programs offered by the Siteman Cancer Center. She works particularly closely with the African-American community to build ties, establish trust and improve understanding.

Her job is a mix of interactions with groups and individuals at the University and in the St. Louis community. She directs the Witness Program, a faith-based program for women with breast cancer that is sponsored jointly by the cancer center and Barnes-Jewish Hospital.

She also helps uninsured women obtain screening and treatment for breast and cervical cancer and works with underserved communities to explore cultural perceptions of risk, genetic difference and genetic testing.

"Katherine is doing a magnificent job," said Timothy J. Eberlein, M.D., director of Siteman Cancer Center and the Spencer T. and Ann W. Olin Distinguished Professor at the medical school. "She has built critical relationships with many diverse groups in our community so that the Siteman Cancer Center is truly a resource for the *entire* community. In addition, she is studying why some populations of patients do not participate in screening and other programs so that we can reach those communities more effectively."

Early roots

Jahnige's appreciation of other cultures began early in life. "I grew up in an atmosphere of respect for the richness of other cultures and with a strong commitment to service," she said.

Her mother teaches social statistics at Smith College in Northampton, Mass., said Jahnige, "though her great love remains

the Girl Scouts." Her father, who taught political science and had a strong interest in American government and the courts, died of Hodgkin's disease in 1973. The family also was active in the Episcopal Church.

As a child, Jahnige spent many family vacations in the Virgin Islands, staying with local

Seminary in New York City, where she earned a master's degree in biblical studies. She focused on reading portions of the Bible in Hebrew and Greek. The experience demonstrated, as did her experience with Swahili, how one's choice of words influenced the nuances of a message, especially when that message is being conveyed from one culture to another.

Jahnige then entered Harvard Medical School. At the end of her

"She has built critical relationships with many diverse groups in our community so that the Siteman Cancer Center is truly a resource for the *entire* community. In addition, she is studying why some populations of patients do not participate in screening and other programs so that we can reach those communities more effectively."

TIMOTHY J. EBERLEIN

families. Her parents also participated in a summer program that brought kids from Harlem to their home in western Massachusetts.

Jahnige decided in eighth grade that she wanted to go to medical school, and she followed her unconventional childhood with an unconventional journey through medical education.

She returned from a volunteer project in Mississippi and entered Yale University, taking pre-med courses and majoring in political science to study Third World development and U.S. national-security policy. When she graduated from Yale, she spent more than a year in Kenya and Tanzania, where she became fluent in Swahili, worked in an orphanage and taught English to 100 nursery-school children.

During this time, Jahnige came to some major conclusions about her future: She would pursue medical school, but rather than life-long overseas work, she would work in areas of the United States that could use her help; she would study public health; and she wanted to integrate her Christian faith more fully with her intellectual, emotional and social values.

The last came first. She entered Union Theological

third year, she "took a year off" to return to Yale and take classes for a master's in public health. She wrote her thesis — a critical look at the use of hormone replacement therapy in African-American women — at Harvard during her fourth year of medical school.

Facilitating dialogue

After completing her residency in obstetrics and gynecology at Northwestern University, she came to St. Louis to head obstetrical and gynecological services at Grace Hill Neighborhood Health Center, which provides health care to underserved communities.

"Katherine has learned to respect different cultures," said Sherrill Jackson, a pediatric nurse practitioner at Grace Hill and the president and founder of The Breakfast Club, a breast cancer support group for African-American women. "She's open enough to learn from different cultures. Patients feel she is interested in what they are telling her, and that she is listening to them."

While at Grace Hill, Jahnige performed many of her surgeries and deliveries at Barnes-Jewish Hospital and began referring patients with breast cancer to the

cancer center's Breast Health Center. One of those patients came under the care of Eberlein, who a few days later sent Jahnige a follow-up letter about his recommendations. Jahnige was impressed.

"I was referring Medicaid patients and patients without insurance, and I rarely got letters about them," she said. She phoned to thank him, "and we ended up talking for half an hour."

Now, as community outreach coordinator, she focuses on building relationships between underserved communities and the cancer center. Each week, she works a couple of days at the cancer center, a couple of days with Saint Louis University School of Public Health and a day at ConnectCare, seeing gynecology patients and teaching residents.

"I hope to facilitate more dialogue with the community about their health concerns and about the process of doing research," Jahnige said. "It's important to convey that doing research isn't just about getting so-and-so a grant or building so-and-so's career, it's about making a difference in the kind of care we can provide to the community."

But it's also essential to explain that research effectively. "Consent forms are often a problem because of their complex sentences and multisyllable words, and explaining concepts such as genetic counseling and testing is a real challenge," she said.

The language must be sensitive to cultural differences. "Cross-cultural" means more than "foreign-born," she said. "For instance, in mainstream American culture, discussions about risk focus on 'complete information' and 'full disclosure.' But for many people, if I say: 'You might have a complication with this surgery; your uterus might be damaged,' I've jinxed them. I've predicted that something bad will happen. There's a power in other languages that we don't always recognize in English."

To avoid the problem, she said, "It's more appropriate to describe things in the third person and as remote possibilities: 'Every once in a while a person going through this surgery might have a complication...'"

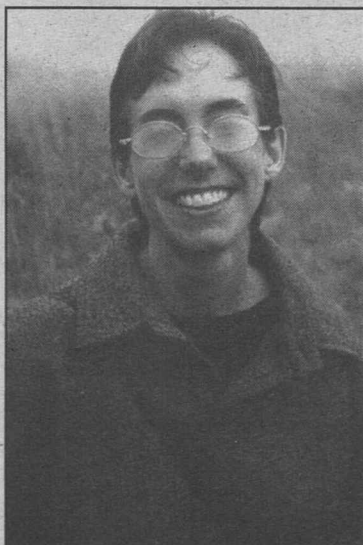
Jahnige is particularly proud of a day planner she and health-activist friends have designed to provide health and screening information to African-American women in East St. Louis.

"We worked hard to frame health messages in a way that was inviting, informative and encouraging," she said.

Artwork for the book was provided by the Jackie Joyner-Kersey Boys and Girls Club, and inspirational writing came from the Eugene B. Redmond Writers Club — both of East St. Louis.

Jahnige finds her work extremely rewarding.

"I meet amazing people who have been through real-life struggles and have come out of them with a profound wisdom," she said. "Many of those cancer survivors have become important role models for me. They've shown me what really matters in life."



Jahnige gets a hazy view of the steam vents in Hawaii's Volcano National Park.

Katherine Jahnige, M.D.

Born: Pomona, Calif.

Education: Yale University: B.A. 1985, M.P.H. 1994; Union Theological Seminary: M.S. 1989; Harvard Medical School: M.D. 1994

University positions: Community outreach coordinator, Alvin J. Siteman Cancer Center; assistant professor in obstetrics and gynecology