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Aug. 26, 1999

Record

Volume 24 No. 1

★ ★ ★ Washington University in St. Louis ⚜ ⚜ ⚜

New freshmen, facilities, faculty fellow on the Forty

Incoming students bring impressive records to campus

By Christine Farmer

An impressive class of 2003 has taken up residence on campus in the past week, its 1,399 members coming from a record 17,109 applicants. Applications were 6 percent higher than last year's.

The incoming freshman hail from all over the world, representing 29 countries, 47 states, the District of Columbia and Puerto Rico.

"The University community is very excited to welcome the entire freshman class along with their talents and contributions," said Nanette H. Tarbouni, director of admissions.

The new students, equally divided between men and women, have accumulated some impressive statistics. During their high school years, they were academic leaders, officers in student government and active participants in extracurricular activities and athletics.

Collectively, the incoming class has received more than 2,000 special awards and recognitions. In addition:

• About 950 students are National Honor Society members, and 157 are National Merit or National Achievement scholars;

• More than 400 students were officers in service organizations, and 159 were senior class officers;

• Many served as editors — 122 of yearbooks and 113 of newspapers;

• Musically, 317 were members of their school bands or orchestras, and 219 were members of a choir or chorus; and

• In athletics, 392 of the students were team captains.

Among the innumerable

See **2003,** page 7

JOE ANGELES

Against the backdrop of the University's newest residential houses, Sue Hsieh (left) of Littleton, Colo., gets some help from sophomores Dawn O'Neal and Erica Talley on moving-in day Aug. 19. Hsieh's daughter Linda is beginning her freshman year; Linda's older brother Shawn is a junior here.

Freeman family has new address in Gregg House

By David Moessner

Granted, it's not the *only* dorm room that will feature a regular afternoon nap. And it might not be the only one that favors Winnie-the-Pooh decor. But diapers? Something definitely smells funny here….

Meet Connor and Mackenzie, the South 40's newest roommates.

Connor is a junior — at two-and-a-quarter, he's in the midst of his third year. At nine months, Mackenzie's technically a second-semester freshman. But despite moving on to a college campus, they still haven't broken free of the nest. Their parents live right next door.

The folks are Philip Freeman, Ph.D., assistant professor of classics in Arts and Sciences, and Alison Dwyer, an archaeologist who now digs being a stay-at-home mom. The home address is Gregg House, the northernmost of Washington University's three new residential houses.

See **Freemans,** page 6

The river returns Architect reshapes Forest Park

By Ann Nicholson

Work now under way to restore the historic waterway in St. Louis' 123-year-old Forest Park is a key element in a $150 million master plan developed by John Hoal, associate professor of architecture.

"We are literally rebuilding the River Des Peres and using it as a connective force for the entire park," said Hoal, director of the School of Architecture's Master of Architecture and Urban Design Program. "The River Returns project will allow us to restore the landscape, provide various wildlife habitats, create recreational areas and provide unique areas for environmental education."

Led by Hoal, a 20-member design team devised the strategy of rebuilding the river after mapping the old riverbed and current seasonal flooding. The group — naturalists, water conservationists, landscape architects, ecologists, civil engineers, soil and water specialists, architects, park managers and recreational planners — concluded that rebuilding the park's 2.5-mile-long historic waterway could naturally guide much of the park's resurgence.

Twelve small lakes and lagoons are now being reconnected with existing portions of the river and three larger, more formal lakes. The four-year river reconstruction process, which is more than 20 percent complete, also will mean diverting an overflow sewer, renovating the park's sewer and storm-water system and restoring the park's waterfalls and fountains.

Hoal's 200-page master plan outlines improvements for the park's natural systems, cultural institutions and other facilities in preparation for the 100th anniversary of the 1904 World's Fair, which took place in the park. Based on extensive analysis and community input, the master plan not only addresses governance and financing, but also relies heavily on sustainable and ecological design.

The multifaceted plan, which has earned numerous planning and landscape architectural honors, recently received the prestigious Catherine Brown Award for Landscape Urbanism from the Congress for the New Urbanism. The award recognizes the plan's emphasis on community involvement during the two-year planning and design process. It also commends its careful consideration of social and ecological issues, which, according to the Congress for the New Urbanism, "had a revolutionary effect on the design of this venerable urban park."

The River Returns project is a prime example of how restoring the park's ecosystem will improve the environment as well as augment the park's offerings for its many visitors. "As the river's water channel and stagnant bodies of water are reconnected, they will create distinct natural habitats with plant life that is both

See **River,** page 5

Occupational therapists take innovative program to Belize

By David Moessner

The scene was one part MacGyver, one part Mother Teresa.

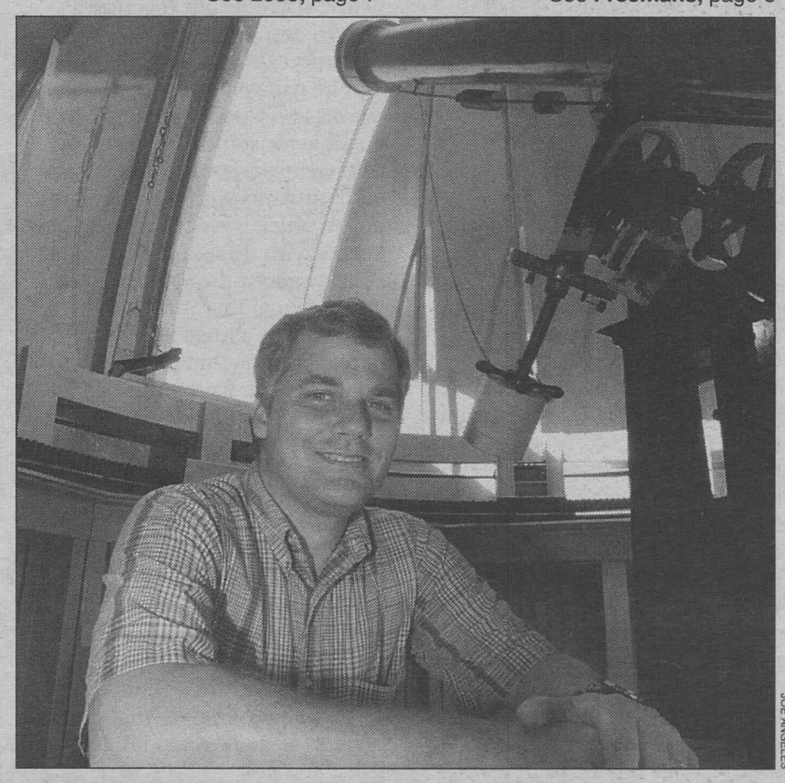
Last month, 66-year-old Roy Rivers climbed aboard a rickety bus for a winding eight-hour bus ride through the countryside of Belize in Central America. A year earlier, a stroke had effectively cost him the use of his left arm — and his livelihood as a fisherman. Periodically, Rivers made the long sojourn to a clinic for some rudimentary physical therapy.

On this day, though, in a country with zero occupational therapists and very little Velcro, he was destined to be empowered by that unlikely alliance.

Awaiting him at the clinic were Susan Stark, Ph.D., and Donna Whitehouse, both instructors in Washington University's Program in Occupational Therapy. On hand, too, were fourth-semester students Elizabeth Daudt, Heather Santesson and Charity Allen. The five women had just arrived for an eight-day needs-assessment mission, sponsored by the Campus Y.

"The first thing we asked Mr. Rivers was, 'You're dressing, you're walking, you're doing everything you need to be doing. What is it you'd *like* to be able to do?'" said Stark. "He said, 'I used to fish every day, but I had to retire. I'm

See **Belize,** page 2



JOE ANGELES

Gary Kronk, systems manager at the medical school, is as much at home in an observatory — this is the University's, atop Crow Hall — as with computers. Kronk will publish his third book on astronomy this fall.

Wonder in the night sky

Staffer authors comprehensive work on comets

By John Heys

Look up Gary Kronk's name in the campus directory, and you won't see "author" or even "professor" after his name. But Kronk, a systems manager at the Medical School Library, has just completed his third book on astronomy.

According to Cambridge University Press, which will publish the book this fall, "Cometography: A Catalog of Comets" is "the most complete and comprehensive collection of data on comets available." Brian G. Marsden, Ph.D., world expert on comets and a member of the Harvard-Smithsonian Center for Astrophysics in Cambridge, Mass., wrote the forward.

From sources as diverse as ancient Babylonian accounts and monastic histories written in the Middle Ages, Kronk compiled historical comet observations, often translating them from various languages into English. He

See **Comets,** page 2

Donna Whitehouse, instructor in the School of Medicine's Program in Occupational Therapy, devises a one-handed method to cast a fishing net for stroke victim Roy Rivers (left) in Belize.

Belize

University lends helping hands

— from page 1

stuck at home. It's driving my wife crazy. It's driving me crazy.'"

So the five American women learned how to throw a fishing net — right there in the middle of the clinic. Then they observed Rivers' functional loss and how it made the two-handed throwing technique impossible. And then Whitehouse took off her watch.

"Donna's watch had a Velcro band — and we figured out how we could use the Velcro closures to act as his hands and keep the net held while he got ready to throw it," Stark said. "We attached it to the part of the net that needed to be gathered, looped and held. But then it needed to be let go, like you're releasing a grip. The net has lead weights, so we made a very thin strip of Velcro, knowing that it would release when the lead weight pushed against it. The idea was to get the net out in a big circle, which he did.

"It was totally like MacGyver!" Stark said when reminded of the early '90s TV hero who forever seemed to be saving the day with the use of mundane items like bubble gum, paper clips and pocket lint. "I do love MacGyver, and I think it's because I'm an occupational therapist."

She's MacGyver — with a whole lot more training. Occupational therapists (OTs) are rehabilitation professionals helping people who have had injuries or disabilities or who are at risk. "We help them maintain or regain their ability to perform their daily activities — things that are meaningful or important or necessary to them," Stark said.

Getting a handle on those requisites was the primary function of the trip to Belize, a journey that was aided by a sister relationship between the YMCAs of St. Louis and Belize.

"We found that, yes, there is a great need," Stark said. "And, yes, the people are very interested in us helping. Specifically, their government is very interested in us doing some educational outreach work to help them better deal with rehabilitation issues within the existing systems."

The University's involvement began on a hypothetical level in a course Stark and Whitehouse taught titled "Occupation in a Cultural Context." The problem-based learning course gives OT students a chance to understand occupation — what people do and how they spend their time, not just work — in a cultural context. Centered around the concept of creating a clinic in Belize, students put together a plan to design the training and education component.

> **"… their government is very interested in us doing some educational outreach work to help them better deal with rehabilitation issues within the existing systems."**
>
> SUSAN STARK

The trip was optional and, because of other obligations, not possible for some. But the three who went were able to participate in discussions with government health officials, visit and interview people with disabilities and help educate about the value of occupational therapy.

"There is a huge need for an understanding that people with disabilities do have a right and a function," Stark said. "We're very lucky here that we have had the civil rights movement for people with disabilities. That hasn't happened yet in Belize."

In general, though, Stark said the Belizians were extremely accommodating and open. "People were just very kind and very sweet," she said. "They had kind of a Caribbean attitude about things, very laid back. People laughed at us because we walked too fast and talked too fast.

"But it was such a lovely experience. They were willing to let us jump right in. And what an invaluable experience for Elizabeth, Heather and Charity," said Stark of the three students. "They had great pioneering spirit. We all went in not knowing what was going to happen, and they were great troopers."

As for the future, Stark said their hope is to take the next step and develop a training program that could be implemented in Belize. In addition, she said they want to discover ways that the program could expand to include other departments within the University. Funding, as always, remains an issue.

"The Campus Y really made this happen," Stark said. "Here we were with this great and interesting class, but we had no way to go do the experience. And then the Y came to the rescue."

In all, about 20 patients benefited directly from the mid-July presence of the five University travelers. A sugarcane cutter who had suffered a broken arm learned different ways to grip his machete. A cook with a severed tendon in her hand was trained in alternate clenching techniques. And Roy Rivers learned to fish again.

Said Stark: "Mr. Rivers told us, 'It never even occurred to me that I could do this again. I just figured I was stuck.'"

Comets

Staffer compiles exhaustive catalog

— from page 1

then combined them with current detailed astronomical information to create an unprecedented reference for professional and amateur astronomers alike.

Comets are balls of ice and dust that orbit the sun, and often, as the Hale-Bopp comet did in 1997, drive people to wonder at the night sky.

The four-volume set will contain "as many good descriptive observations as possible of literally every comet that's ever been observed," Kronk said. The current volume covers observations from ancient times to 1799. The remaining three volumes will include comet observations from the 19th and 20th centuries.

Building on his first book — "Comets: A Descriptive Catalog," published in 1984 — Kronk researched comet observations from ancient times to the present. Using the University's Olin Library and libraries at St. Louis University and Northwestern University as well as the Linda Hall Library in Kansas City, Mo., Kronk covered various continents, centuries and cultures in his research.

> **A comet seen in the year of Napoleon's birth led the military leader to base many of his battle decisions on the appearance of comets in the sky. One brilliant comet, observed in 1811 and 1812, spurred him to attack Russia.**

But the book is more than a scientific tome for sky watchers — it's a boon for history buffs as well.

"It's interesting how often comets have actually influenced history to some extent," Kronk said. "That's the thing that really surprised me more than anything else in my research."

A comet seen in the year of Napoleon's birth led the military leader to base many of his battle decisions on the appearance of comets in the sky. One brilliant comet, observed in 1811 and 1812, spurred him to attack Russia.

Comets not only help explain historical events; they also can date them more accurately. Unlike calendars, which have changed often throughout history, comets are fairly predictable.

"The only way we can really firm up dates is by using astronomical events," Kronk asserted. "Typically, eclipses have been used. But there are periods in history when long stretches of time pass without the occurrence of an eclipse. Comets can help date events in these periods."

If history records that a certain event occurred after the appearance of a comet, researchers can use the information in Kronk's book to determine precisely when that comet visited earth's night sky.

So how did Kronk, a graduate of Southern Illinois University at Edwardsville with a journalism degree in 1981, end up writing three successful books on comets and meteor showers?

Blame it on his parents, who gave Kronk a telescope as a Christmas gift when he was 8 after noticing his fascination with the Mariner 4 space probe's images of the surface of Mars. In high school, Kronk's interest in astronomy broadened when he wrote an essay for a senior-year English class on the comet Kohoutek. His teacher was impressed by the work and submitted it to the local newspaper, which published it.

"In the process of researching this comet, I discovered that this was just an incredibly interesting and mysterious aspect of astronomy," Kronk said.

Kronk continued to observe and research comets, and subsequently wrote his first book. Another followed in 1988, entitled "Meteor Showers: A Descriptive Catalog."

News Briefs

Globally minded?

The International Office is seeking volunteers for a pair of community-connections programs that promote international friendships and further cross-cultural awareness.

The "Host Family Program" is designed to advance cultural exchange between international students and local volunteers. As part of the program, volunteers invite students to share in family celebrations, as well as sports or cultural events, at least once a month.

The "Speak English With Us Program" matches community volunteers with international students, faculty and researchers who want to improve their understanding of English language and culture. Volunteers meet with participants at a mutually convenient time and place, usually once a week for about an hour. Volunteers are not required to be trained teachers or have any special language skills.

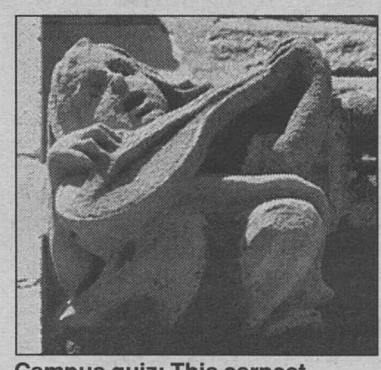
For more information, call the International Office at 935-5910.

From soup to nuts

The Campus Store is gearing up for fall with a host of goods and services, in addition to the usual books, computer supplies, snacks and clothing. The store offers stamps, phone cards, gift certificates and shipping. Shoppers can have gift items purchased there wrapped at no additional charge.

The store also provides a special subscription service to The New York Times for a full year, fall and spring semester or fall semester only. Monday through Friday editions may be picked up there each day after 8:30 a.m. The discounted rate offers savings from the newsstand and home delivery rates.

The fall semester hours are: noon-5 p.m. Sunday, 8 a.m.-8 p.m. Monday-Thursday, 8 a.m.-6 p.m. Friday and 10 a.m.-5 p.m. Saturday. For more information, call 935-5500 or visit the Web site at www.wustl.bkstr.com.



Campus quiz: This earnest musician strums his mandolin on what Hilltop Campus building? Answer below.

Did you know?

The School of Medicine employed 6,460 people in the 1998-99 academic year — 4,442 staff, 1,330 faculty and 688 nonfaculty associates and assistants. In addition, there were 1,206 affiliated private practice faculty. Students numbered 1,206.

Going digital

Going back to college might no longer require lugging around a backpack full of heavy textbooks, according to a report in the New York Times. Companies are selling CD-ROM versions of textbook contents along with the books themselves, complete with hundreds of links to related Web sites. Publishers have issued electronic versions of more than 200 college textbooks in the past two years.

Answer: Our merry mandolinist serenades passersby from the west side of the McMillan Hall courtyard.

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

Record
Washington University community news

News & Comments: (314) 935-6603, Campus Box 1070, betsy_rogers@aismail.wustl.edu
Medical News: (314) 286-0111, Campus Box 8508, duke@medicine.wustl.edu

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Washington University in St. Louis

Record (USPS 600-430; ISSN 1043-0520), Volume 24, Number 1/Aug. 26, 1999. Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, Mo. 63130. Periodicals postage paid at St. Louis, Mo.

Where to send address changes, corrections:

Postmaster and non-employees Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, Mo. 63130.

Hilltop Campus employees Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, Mo. 63130.

Medical Campus employees Payroll Office, Washington University, Campus Box 8017, 660 S. Euclid Ave., St. Louis, Mo. 63110.

Medical School Update

Study suggests potential new approach to glaucoma therapy

By Jim Dryden

School of Medicine investigators believe they have identified the basis for a new way to treat glaucoma, the second-leading cause of irreversible vision loss in the United States.

In the Aug. 17 issue of Proceedings of the National Academy of Sciences, the investigators reported on experiments involving an animal model of glaucoma. Working in rats with elevated eye pressure, they were able to prevent loss of retinal ganglion cells by inhibiting the action of an enzyme that makes nitric oxide.

"Having seen reports on nerve damage caused by excessive nitric oxide, we decided to look for evidence of high levels of nitric oxide in human eyes with glaucoma," said lead author Arthur H. Neufeld, Ph.D., the Bernard Becker Research Professor of Ophthalmology and Visual Sciences. "Using sophisticated staining techniques, we detected an enzyme called inducible nitric oxide synthase in the optic nerve head tissue of patients with glaucoma."

This enzyme — NOS-2 — can produce excessive amounts of nitric oxide, and Neufeld and colleagues regarded its presence as evidence that nitric oxide might be involved with the ganglion cell damage seen in glaucoma. To explore that idea, they set out to determine whether NOS-2 was causing the damage in retinal cells or appearing as a byproduct of that damage.

"We adopted an animal model of glaucoma that raises pressure levels in the eyes of rats," Neufeld said. "And we found that, as in humans, the eyes of rats with elevated pressure lost retinal ganglion cells and that the tissue also contained elevated levels of NOS-2."

For the last century, most medical and surgical therapies for glaucoma have attempted to lower pressure in the eye, aiming to prevent or delay damage to ganglion cells and preserve good vision. "But we have many clinical situations where we can't get the pressure low enough to avoid damage," said Bernard Becker, M.D., professor emeritus and former head of the Department of Ophthalmology and Visual Sciences. "In spite of the drugs we have, in spite of surgery, in spite of everything we try to do, the patient continues to lose vision."

Inhibiting NOS-2 could provide a new option. The investigators put a drug called aminoguanidine into the drinking water of rats with elevated eye pressure. Other rats did not get the drug. After six months, the researchers found that the untreated rats lost 36 percent of their retinal ganglion cells in the eyes with elevated intraocular pressure. Those who received aminoguanidine lost less than 10 percent of their retinal ganglion cells in spite of continued elevated intraocular pressure.

"As the paper reports, there were marked changes in the eyes of animals that did not receive the drug," Neufeld said. "But we didn't see that type of cell loss in animals that were treated with aminoguanidine. Statistically, the retinal ganglion cell loss was not any different than in the controls."

Extensions from retinal ganglion cells leave the eye through a structure called the optic disc, and ophthalmologists keep a close watch on the optic disc in glaucoma patients. In this study, Becker did the same thing with the rats.

"Once a month, we looked into the animal eyes through an ophthalmoscope," he explained. "Patients with glaucoma develop 'cupping' of the disc — a bowing back and atrophy of that structure. These rats also were developing this cupping of the optic disc, but in those treated with aminoguanidine, no cupping occurred."

Although the rats treated with aminoguanidine had less damage in the retina and the optic nerve, their intraocular pressure was no different than in animals that did not receive the drug. "That means aminoguanidine did not lower the elevated pressure in these animals," Neufeld said. "That is important because it means that lowering the pressure is not what protected the retinal ganglion cells."

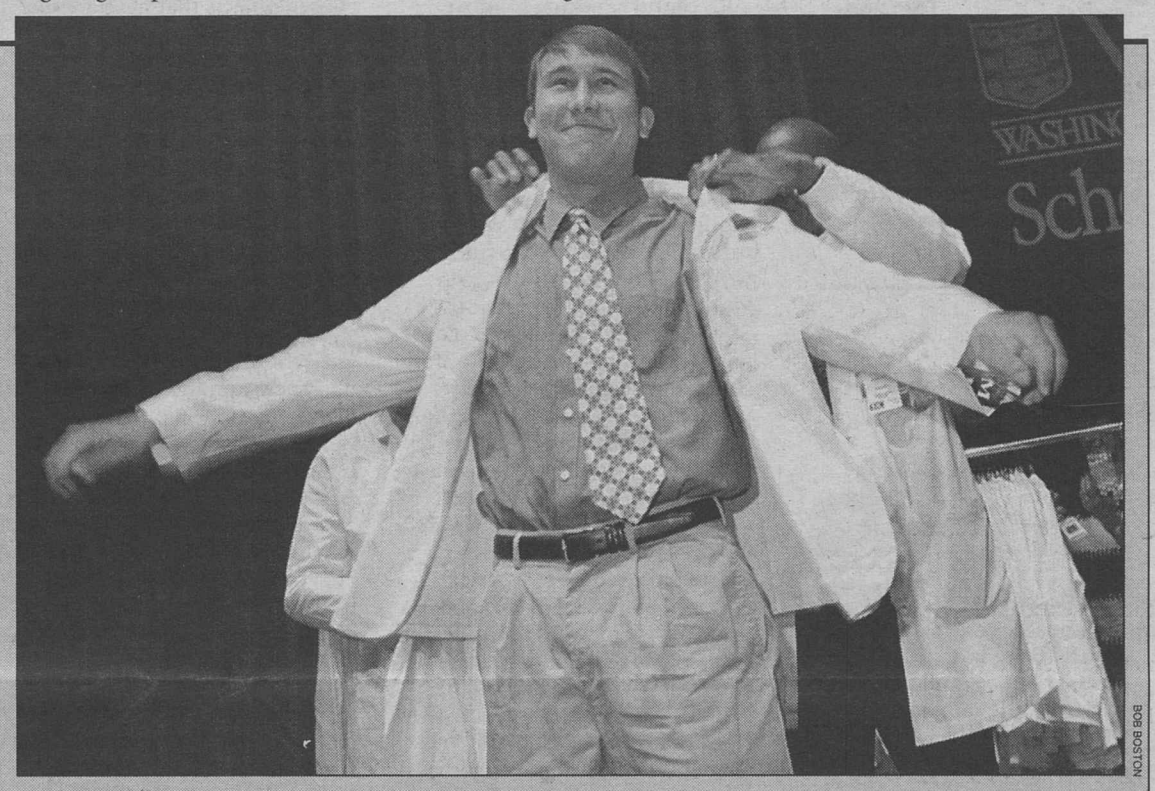
That fact gives the researchers hope that it may be possible to treat patients whose glaucoma does not respond to pressure-lowering drugs or surgery, as well as a subset of patients who have what doctors call normal-pressure glaucoma. The hope is inhibitors of NOS-2 might preserve vision in those patients who don't respond to current therapies and also could be used along with drugs that lower intraocular pressure.

"The emerging concept of using drugs to protect nerve cells is being aggressively pursued across the country," said Carl Kupfer, M.D., director of the National Eye Institute, part of the National Institutes of Health, the federal agency that helped fund the study. "New approaches to treating glaucoma are welcome, and this work will be followed closely by other glaucoma researchers."

Robert Ritch, M.D., agrees. He is chairman of the scientific advisory board of The Glaucoma Foundation, which also helped fund this project. "We're getting closer to finding the answers," Ritch said. "Although the current investigations do not yet translate into clinical use, this is the sort of breakthrough research that could eventually lead to a stemming of vision loss from glaucoma."

In an accompanying commentary article, Paul L. Kaufman, M.D., professor and director of Glaucoma Services at the University of Wisconsin-Madison, said the paper "will likely be considered a classic in years to come" and that the study's conclusions could contribute to more than finding better treatments for glaucoma. "The significance of their findings may go far beyond glaucoma, with broad pathophysiologic and therapeutic implications for neurodegenerative and neurovascular diseases in general," Kaufman wrote.

For now, however, the research is focusing purely on glaucoma. In future animal studies, Neufeld and Becker will test other drugs that inhibit production of NOS-2. If their work progresses, human trials could follow.



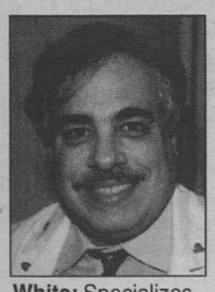
BOB BOSTON

Wearing the white coat with pride Patrick Brady dons the symbol of his future profession at the medical school's White Coat Ceremony Aug. 13. Brady, a native of Columbus, Ohio, majored in history at the University of Virginia. He is one of 121 students in this year's incoming class.

Neil H. White to direct pediatric endocrinology and metabolism

Neil H. White, M.D., associate professor of pediatrics, has been named director of the Division of Pediatric Endocrinology and Metabolism.

The appointment was announced by Alan L. Schwartz, M.D., Ph.D., the Harriet B. Spoehrer Professor and head of pediatrics at the School of Medicine and pediatrician-in-chief at St. Louis Children's Hospital. White has served as interim division director since the death of Julio Santiago, M.D., in 1997.



White: Specializes in pediatric diabetes

"Neil is an internationally recognized scholar, clinician and teacher in the area of diabetes in childhood," Schwartz said. "We are most fortunate in having Neil lead our endocrinology and metabolism division."

White also is associate director of the School of Medicine's General Clinical Research Center and a staff physician at St. Louis Children's and Barnes-Jewish hospitals and Missouri Baptist Medical Center.

He serves on numerous local, national and international diabetes advisory boards and is author of more than 100 publications, focusing primarily on diabetes in childhood.

White previously was co-principal investigator for the St. Louis portion of the national Diabetes Control and Complications Trial. He now is lead investigator for the local portion of the national Diabetes Prevention Trial-Type I, which is determining if taking insulin capsules or injections can prevent or delay early-onset diabetes in those at moderate risk for the disease. White also is participating in several trials of psychological and social interventions to help teenagers with diabetes, and he is studying the effectiveness of intensive diabetes therapy for children with early-onset diabetes.

He received a medical degree from Albert Einstein College of Medicine in New York in 1975. His two years as an intern and resident in pediatrics at St. Louis Children's Hospital were followed by a two-year fellowship in pediatric endocrinology and metabolism at the hospital and the University's Diabetes Research and Training Center. White joined the medical school faculty as an instructor of pediatrics in 1979.

Scientists find new cause of muscular dystrophy

By Diane Duke Williams

A paper in the August issue of Nature Cell Biology shows there is more than one way to get muscular dystrophy, the debilitating and fatal disease that causes muscles to fall apart.

This work should make scientists think about the disease in a different way, said R. Mark Grady, M.D., lead author of the paper and an instructor in pediatric cardiology. "The better we understand how a disease comes about, the better our chances of blocking the pathway to that disease," said Grady, who also is a physician at St. Louis Children's Hospital.

Scientists have identified many genes that cause muscular dystrophy, but it's been less clear how genetic defects actually lead to illness. "This study represents a big step in uncovering these mechanisms and therefore potentially an important lead in the search for new therapies," said senior author Joshua R. Sanes, Ph.D., professor of anatomy and neurobiology.

Muscular dystrophy affects about 250,000 people in the United States. The most common form is Duchenne muscular dystrophy. Children with this form usually begin developing symptoms — frequently falling and not being able to get up — between ages 2 and 5. They often need a wheelchair by 12 and die before reaching their 20th birthday. Because the disease destroys heart muscles as well as limb muscles, patients often die from heart failure.

A defect in the gene for a protein called dystrophin causes Duchenne muscular dystrophy. Dystrophin is part of a group of proteins known as the DGC, the dystrophin-containing glycoprotein complex. Previously, researchers believed that the DGC's only role was to stabilize muscle by linking the inner skeleton of the muscle fiber to the surrounding tissue outside. "Until now, this complex has been known for keeping the muscle together," Grady said. "When you lost dystrophin, this whole bridging network disappeared so the muscle fell apart."

> **"To cure muscular dystrophy, we will need to know which genes are involved and how they are involved. This study is especially important because it addresses both of those issues."**
>
> Joshua Sanes

In this paper, the researchers determined that the DGC is involved in signaling as well as in structural support. They came to this conclusion by generating and analyzing mutant mice lacking dystrobrevin, another of the proteins in the DGC.

"We found that when you take away dystrobrevin, dystrophin is still there, and the connection between the inside and the outside of the cell is still intact," Grady said. "And yet, the mice still have a muscular dystrophy."

By viewing stained muscle samples under the microscope as the mouse matured, the researchers determined that mice deficient in dystrobrevin had abnormalities in skeletal and heart muscle. And by analyzing double and triple mutants, they found that dystrobrevin acts largely through the DGC. Although the structural components of the DGC were retained in the absence of dystrobrevin, an enzyme called nitric oxide synthase was missing from the muscle membrane. This enzyme makes an important signaling molecule called nitric oxide.

The researchers concluded that dystrobrevin is part of a signaling pathway — a cascade of proteins that interact with each other and turn genes on and off. They believe disruption of this pathway can cause muscular dystrophy.

Finding out more about how the defect in this pathway affects muscle might lead to ways to prevent this type of muscular dystrophy, the researchers hope. It also might help identify people with this particular defect who have not yet been diagnosed with the disease.

"To cure muscular dystrophy, we will need to know which genes are involved and how they are involved," Sanes said. "This study is especially important because it addresses both of those issues."

University Events

Graham Chapel • 'Shakespeare in Love' • Moss • Cancer Genetics • Football

"University Events" lists a portion of the activities taking place at Washington University through Sept. 4. For a full listing of medical rounds and conferences, see the School of Medicine's website at medschool.wustl.edu/events/. For an expanded Hilltop Campus calendar, go to www.wustl.edu/thisweek/thisweek.html.

Exhibitions

"Grotesques Glass Graham: Marriage of Masonry." Through Oct. 8. The architecture of Graham Chapel. Fifth floor, Olin Library. 935-5583.

"Affinity of Form: African and Modern European Art." Aug. 27 through Oct. 24. Gallery of Art. 935-4523.

This 2nd-century Roman coin is part of a new Gallery of Art exhibit.

"Coins from St. Louis Collections." Aug. 27 through Dec. 12. Gallery of Art. 935-4523.

"Egyptian Mummies: Pet Menekh and Henut-Wedjebu." Aug. 27 through Dec. 12. Gallery of Art. 935-4523.

"Modern Art on Paper." Aug. 27 through Oct. 24. Gallery of Art. 935-4523.

Film

Friday, Aug. 27

7 and 9:30 p.m. Filmboard Feature Series. "Shakespeare in Love." (Also Aug. 28, same times, and Aug. 29, 7 p.m.) Cost: $3 first visit; $2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "The Breakfast Club." (Also Aug. 28, same time, and Aug. 29, 9:30 p.m.) Cost: $3 first visit; $2 subsequent visits. Room 100 Brown Hall. 935-5983.

Friday, Sept. 3

7 and 9:30 p.m. Filmboard Feature Series. "Election." (Also Sept. 4, same times, and Sept. 5, 7 p.m.) Cost: $3 first visit; $2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "The Dark Crystal." (Also Sept. 4, same time, and Sept. 5, 9:30 p.m.) Cost: $3 first visit; $2 subsequent visits. Room 100 Brown Hall. 935-5983.

Gallery of Art opens four autumn exhibits Aug. 27

'Affinity of Form' explores links between African, European art

By Liam Otten

Pablo Picasso, it is famously said, invented cubism shortly after being introduced to African tribal masks, which he then collected for the rest of his life. And the Spaniard was not alone in his appreciation: the example of African art, with its formal sophistication and powerful expression, proved invaluable for many European artists of the early 20th century seeking to move beyond their own tradition of naturalistic representation.

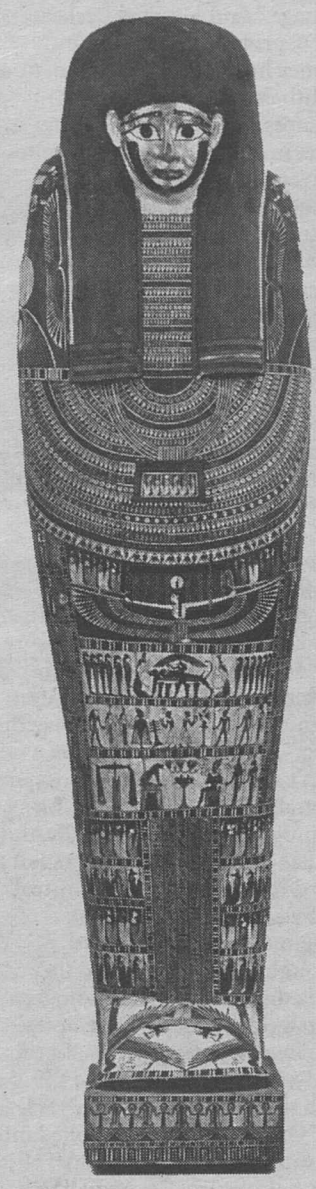
"Affinity of Form: African and Modern European Art," opening this week at the Gallery of Art, examines this artistic sympathy by looking at how both African and modern artists, though working in fundamentally different cultural worlds, were often drawn to kindred means of expression. Similarities in size, shape, color and — most significantly — in the characterization of figures are provocative and suggest questions not only about how Western eyes have historically seen African art, but about how we see it today.

In all, "Affinity of Form" will feature 35 African artworks, representing some two dozen cultures, alongside 21 modernist drawings, prints and sculptures by Picasso, Max Beckmann, Paul Klee, Henry Moore and others. The African works — which come from the Ivory Coast, Mali, Cameroon Grasslands, Nigeria, Liberia, Angola, Gabon, Borkino Faso and the Democratic Republic of Congo — have been lent from private St. Louis collections (with one piece from the Saint Louis Art Museum); the European works were drawn from the gallery's collection.

"We're not trying to show all the arts of Africa," said Thomas Alexander, a St. Louis art dealer who specializes in the arts of Africa and who guest curated the exhibition. "We've specifically chosen objects that have a visual affinity with European modernism. And there are some truly extraordinary African works in this show, though we're also blessed with some great modern pieces that can stand up to this treatment."

In addition to "Affinity of Form," the Gallery also will debut "Egyptian Mummies: Pet-Menekh and Henut-Wedjebu" (see separate story); "Coins from St. Louis Collections"; and "Modern Art on Paper from the Washington University Collection." All four exhibitions will open with a reception from 5 to 7 p.m. Friday, Aug. 27. "Affinity of Form" and "Modern Art on Paper" will remain on view through Oct. 24; "Egyptian Mummies" and "Coins from St. Louis Collections" continue through Dec. 12.

Gallery hours are 10 a.m. to 5 p.m. weekdays and 1 to 4:30 p.m. weekends. Both the reception and the exhibit are free and open to the public. For more information, call 935-4523.



The mummy of Pet-Menekh is a striking example of Egyptian art from the Ptolemaic period.

Mummies get rare viewing

The University's Gallery of Art holds two of this country's finest mummies. This fall the gallery will present them together for the first time in a special exhibition titled "Egyptian Mummies: Pet-Menekh and Henut-Wedjebu." The exhibit opens Aug. 27 with a 5-7 p.m. reception at the gallery.

The gilded coffin of Henut-Wedjebu, the more ancient of the two mummies, is one of only eight such objects to survive from the reign of Amenophis III (1390-1353 BCE) and the only one in the United States. Henut-Wedjebu, whose title was "Mistress of the House, Singer of Amun," was the main singer in the temple of Amun at Karnak. The prominent gilding indicates the presence of either royalty or one favored by royalty.

The other mummy, Pet-Menekh (left), was a priest of the god Chem during the Ptolemaic period (c. 300 BCE). He died of a sudden trauma or acute disease while still in his 30s or 40s. His coffin is a striking example of Egyptian art — one of the most richly decorated examples from the period, with hundreds of hieroglyphics decorating the outer surface.

Both mummies were brought to the United States by Charles Parsons, a collector who acquired them shortly after excavation in 1896. Parsons donated the pair to the gallery.

Lectures

Monday, Aug. 30

Noon-1 p.m. Molecular biology and pharmacology seminar. "The Ubiquitin-Proteasome Pathway: Mechanisms of Action, Cellular, Substrates and Involvement in Pathogenesis of Human Diseases." Aaron Ciechanover, prof. of biochemistry, Technion-Israel Institute of Technology, Israel, and dir. of The Rappaport Family Institute for Research in the Medical Sciences. The Philip Needleman Library, Room 3907 South Bldg. 362-2725.

3 p.m. Thesis defense. "Combining New Computational and Traditional Experimental Methods to Identify tRNA and snoRNA Gene Families Within Complete Genomes." Todd Lowe, molecular genetics program. Room 823 McDonnell Medical Sciences Bldg. 362-7190.

4 p.m. Biology lecture. "Introducing Moss." David Cove, visiting prof. of biology and prof. of genetics, U. of Leeds, England. Room 322 Rebstock Hall. 935-6812.

Wednesday, Sept. 1

7:30 a.m. Orthopedic surgery lecture. "Blood-Borne Pathogens." Victoria Fraser, assoc. prof. of medicine. Scarpellino Aud., first floor, 510 S. Kingshighway Blvd. 747-2803.

10:30 a.m. Thesis defense. "GDNF Family Ligand-Receptor Interactions." Robert Harris Baloh, neurosciences program. The Philip Needleman Library, 3907 South Bldg. 362-7190.

Thursday, Sept. 2

8 a.m. The Rena Schechter Memorial Lecture in Cancer Research. "Cancer Genetics: Transition to the Clinic." Judy Garber, Harvard Medical School. Clopton Aud., 4950 Children's Place. 362-7190.

Close Up Faculty usher in new St. Louis dance season

By Liam Otten

"Dance Close-Up," an all-new presentation of choreography by dance faculty in the Performing Arts Department in Arts and Sciences, will open next month in Mallinckrodt Center's Dance Studio. Now in its fifth year, the show — often considered the unofficial start of St. Louis' professional dance season — features seven original dances performed in a variety of styles, including modern, jazz, African and Indian dance.

"This year's showcase will emphasize solo works, which are particularly appropriate for the intimate, informal character of this performance," said Mary-Jean Cowell, Ph.D., associate professor and coordinator of the Dance Program, who serves as the show's artistic director. "Given the diversity of the dance faculty, the program also reflects the multicultural vitality of the current dance performance world."

The program premieres at 8 p.m. Sept. 9 and continues at the same time Sept. 10 and 11.

A special feature of this year's concert will be an appearance by Cecil Slaughter, the department's Marcus Artist in Residence for 1999-2000. Slaughter will present a solo work titled "Inheritance," danced to a poem by Devon McNamara, which explores the theme of friendship and its transformation with the passage of time.

The Marcus Artist program was established by Morris D. Marcus, M.D., professor emeritus of dermatology, in memory of his wife, Margaret.

Other works to be featured are:

• **"Hard Won" and "Romantic Soulo"** — Cowell will present a pair of short solos that create strikingly different moods. She will be accompanied by vocalist Sally Baker and Deborah Davidson.

• **"Kuku"** — Chiquita Payne, adjunct dance faculty, performs this traditional dance of the Baule people of Africa's Ivory Coast. Payne, now in her ninth year as a dancer with St. Louis' Rhythm of Anoa Dance Theater, will perform to the accompaniment of live drumming.

• **"The Coloring Book"** — David W. Marchant, a sixth-year artist in residence, will present a new solo work that explores how one abstract movement phrase is "colored" when set against different sound environments.

David W. Marchant, a sixth-year artist in residence, performs "the Coloring Book" as part of "Dance Close-Up" Sept. 9-11.

• **"In Search of Krishna"** — Asha Prem, adjunct dance faculty, will perform an original work set to a score that combines traditional Indian music with western drumming. Prem is a leading exponent of Bharata Natyam and Kuchipudi styles of classical Indian dance.

• **"Ode to Rudolf"** — Mary Ann Rund, adjunct dance faculty, performs this homage to Rudolf Von Laban, the inventor of Labanotation, an extensive system of dance notation that is used today all over the world.

• **"Time Alone"** — Christine O'Neal, director of the University's ballet program, will present a new solo, set to the music of Gershwin, that explores the styles of various jazz choreographers.

Tickets are $10 for the general public; $8 for senior citizens and Washington University faculty, staff and students; and $5 for seating on the studio floor. Tickets are available at the Edison Theatre box office, located in the Mallinckrodt Center, at 935-6543, or through MetroTix at 534-1111.

Dance Close-Up

Where Dance Studio, Mallinckrodt Center

When 8 p.m. Sept. 9, 10, 11

Admission $10, $8 for Washington University faculty, staff, students and senior citizens, $5 for floor seating; available at Edison Theatre Box Office, 935-6543, or through MetroTix, 534-1111.

Music

Saturday, Sept. 4

8 p.m. Senior honors recital. David Cerven, baritone and Henry Palkes, piano. Music of Schubert, Schumann and Barber. Graham Chapel. 935-5581.

And More...

Friday, Aug. 27

4 p.m. School of Architecture all-school meeting. Cynthia Weese, dean. Steinberg Hall Aud. 935-4636.

Sports

Wednesday, Sept. 1

7 p.m. Men's soccer vs. MacMurray College. Francis Field. 935-5220.

Saturday, Sept. 4

1 p.m. Football vs. Rose-Hulman Institute. Francis Field. 935-5220.

University is among top 20 in new ranking

BY CHRISTINE FARMER

Washington University is among the nation's top 20 universities and one of the best values, according to U.S. News and World Report's "America's Best Colleges."

The University ranked 17th among the nation's top 50 universities and tied for 18th place with Johns Hopkins University and Dartmouth College in the best values category, which rates schools that offer a high-quality education at a reasonable cost.

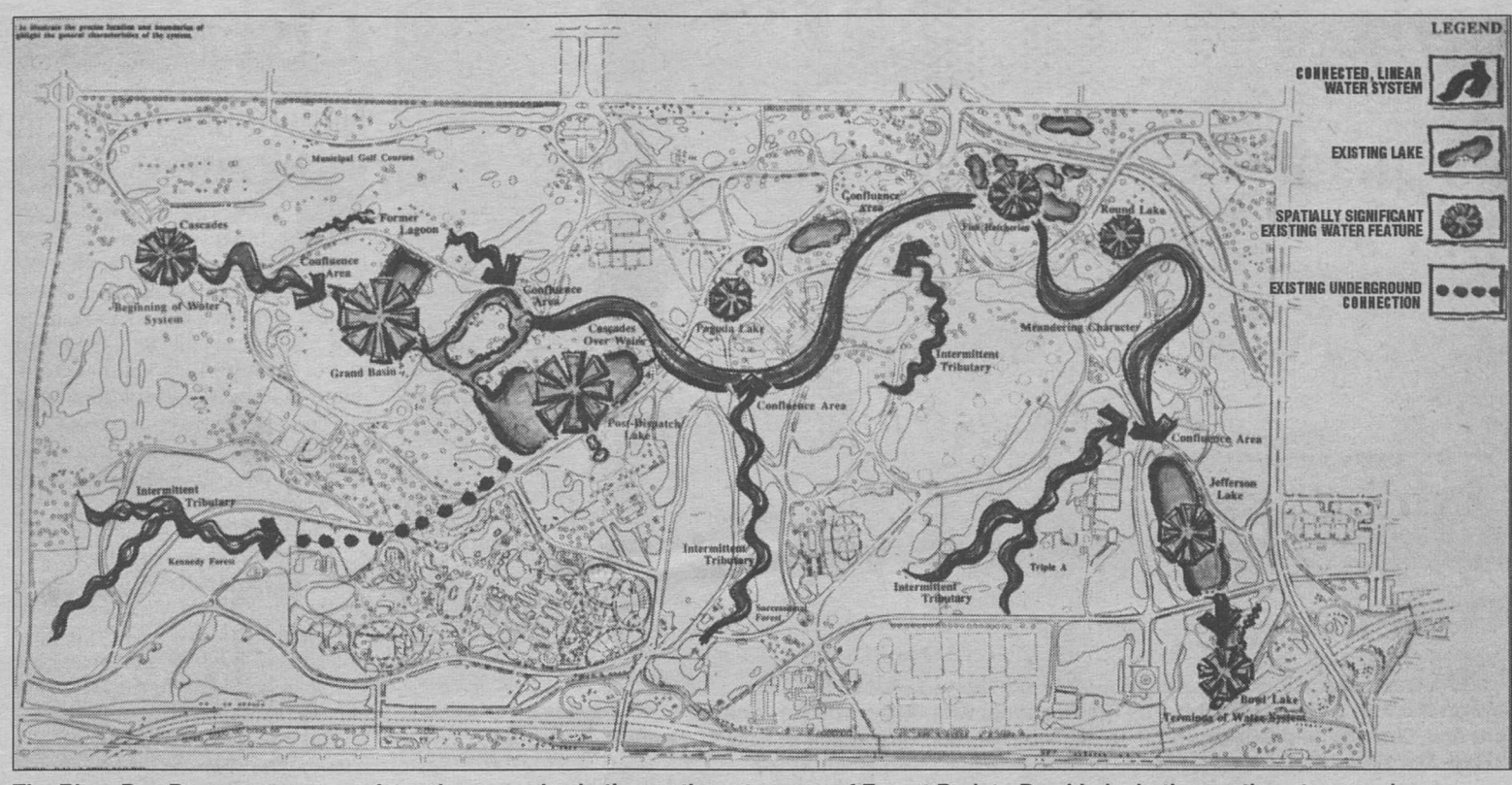
"We believe this ranking among the nation's best universities is appropriate recognition of the quality of our students, faculty and programs," said Benjamin S. Sandler, special assistant to the chancellor for administration. "The best values ranking underscores the University's continued strong commitment to financial support for students from a wide range of economic backgrounds."

The John M. Olin School of Business rose one notch, tying for 16th place with Ohio State University-Columbus, Pennsylvania State University and the University of Washington.

"There are 327 schools with accredited undergraduate business programs in the country, and ranking in the top 5 percent is something to be proud of," said Gary M. Hochberg, associate dean for the undergraduate program. "It's been several years since U.S. News did these specialty rankings, and I am pleased to see our program ranked a notch higher than in the previous ranking."

The magazine bases the rankings on factors including academic reputation, graduation and retention rates, faculty resources, student selectivity, financial resources and alumni giving. Statistics such as SAT scores, faculty-to-student ratio and per-pupil educational spending also were taken into account.

The magazine appeared on newstands and at bookstores Aug. 23. The rankings are also published in a guidebook, "America's Best Colleges," released Aug. 24.



The River Des Peres watercourse from the cascades in the northwest corner of Forest Park to Bowl Lake in the southeast corner is being reconstructed to resemble the original linear river, as part of an overall plan to create a healthy ecosystem.

River

Historic waterway under reconstruction

— from page 1

varied and sustainable," Hoal noted. "These areas, ranging from wetlands to prairie streams to forest environments, will not only restore the park's ecology and enhance its biodiversity, but also offer visitors new recreational opportunities in fishing, boating and hiking."

Currently, 6 million gallons of water a day from the city's water supply system flow into and back out of the park's portion of the River Des Peres. A new pump system at one end of the park and the creation of natural wetlands will drastically reduce this outflow and improve the water quality. Selected aquatic and riparian planting along the river's shoreline also will function as naturalistic edging to prevent erosion, filter pollutants and provide habitat for fish and wildlife.

> **"These areas, ranging from wetlands to prairie streams to forest environments, will not only restore the park's ecology and enhance its biodiversity, but also offer visitors new recreational opportunities in fishing, boating and hiking."**
>
> JOHN HOAL

When the park was established in 1876, it was viewed as "a great romantic landscape with winding trails and carriage ways through deep woods and pastoral fields, surrounded by informal water bodies and naturalistic streams," according to the original park plan.

The 1904 Louisiana Purchase Exposition, located in the park's western half, brought dramatic changes to this idyllic setting, including the loss of numerous trees, flattening the topography to make way for the World's Fair facilities and rerouting the River Des Peres, which eventually was buried in an underground sewer system. While the fair's legacy paved the way for the addition of world-class cultural institutions — the St. Louis Zoo, Art Museum, History Museum, Science Center and outdoor Municipal Opera or Muny — the environmental toll on the park set the pace for continued degradation of the park's natural systems.

The master plan recognizes the need for a healthy ecosystem while providing diverse recreational opportunities for the park's 12 million annual visitors. The document spells out overall goals for the park and addresses major issues such as flooding and erosion, conflicting uses, accessibility and confusing internal roadways, inadequate parking, crumbling infrastructure, unhealthy waterways, institutional expansion and cooperation, and long-term funding.

Major initiatives include strategic planting of 7,500 trees as well as other native vegetation that offers "visual drama"; improvements to Pagoda Circle, near the main entrance to the Muny; restoration of the Grand Basin, Art Hill and Post-Dispatch Lake area as "the heart of the park"; the addition of a new jogging path and an art walk with outdoor statues; and improvements to the active recreation areas throughout the park.

New identification cards available

New identification cards are being issued to students, faculty and staff who are new on campus, and as a replacement for lost or damaged cards. The new cards have a picture of Brookings Hall in the background and use magnetic stripes on the back.

The new cards are less likely to become demagnetized than the older cards and will cost the University $70,000 less annually.

If you currently do not swipe your identification for electronic door access or to purchase food at any of the dining service locations, you will not be affected. If you have the old beige cards and use them for electronic door access or meal plans, you will need to get a new identification card. Use of the Athletic Complex will require a photo identification, so beige cardholders will need new cards. Faculty and staff should go to the Human Resources department for new cards, and students need to go to the Office of Student Records for theirs.

Identification cards also are used to check out items at the library and for discounts at the Campus Store, but a new card is not necessary for these services.

An information table will be located in Mallinckrodt Center during lunch hours this week for anyone with questions. Questions also may be directed to Mike Dunlap at 935-9853 or Wil Fritz at 935-5329.

Disabilities and civil rights Ted Kennedy Jr. to open Assembly Series

Disabilities rights activist Ted Kennedy Jr. will deliver the annual Benjamin E. Youngdahl Lecture in Social Policy, titled "Facing the Challenge: Disabilities, Health Care and Civil Rights," at 11 a.m. Sept. 8 in Graham Chapel. This inaugural event in the University's Fall 1999 Assembly Series is jointly sponsored by the George Warren Brown School of Social Work and opens the school's own lecture series as well. The address is free and open to the public, with limited seating.

Kennedy Lawyer, advocate for disabled

Since losing a leg to bone cancer in 1973 at the age of 12, Ted Kennedy Jr. has spent much of his life as an advocate for the civil rights of people with disabilities. Kennedy has served as director of Facing the Challenge, a nonprofit advocacy and public policy organization concerned with disability-related issues. He has worked extensively with both policy makers and the corporate world on job opportunities for people with disabilities and other issues pertaining to the Americans with Disabilities Act.

He also practices law in the areas of health law and disability at the New Haven, Conn., law firm of Wiggin & Dana. In the past, he has taught disability policy at Harvard University's John F. Kennedy School of Government.

A 1984 graduate of Wesleyan University, Kennedy received a master's degree from Yale University's School of Forestry and Environmental Studies in 1991. Since 1992, he has worked on the research faculty of the Yale University School of Medicine and as director of the New Haven Lead Safe Home and Community Health Project, a comprehensive community-based initiative addressing pediatric lead poisoning, one of the leading causes of mental retardation. Kennedy received a J.D. in 1997 from the University of Connecticut School of Law.

Other lectures scheduled for the fall season of the Assembly Series are:

Sept. 15: Distinguished science writer Jonathan Weiner will deliver the annual Thomas Hall Lecture titled "Evolution in Action: The View from Darwin's Islands and Benzer's Bottles." Weiner is the author of the Pulitzer Prize-winning "The Beak of the Finch." His recently published "Time, Love and Memory" examines the subject of behavioral genetics.

Sept. 22: Nancy Dickey, M.D., immediate past president of the American Medical Association (AMA), is the speaker. Dickey was the first woman to be elected president of the AMA.

Sept. 29: Preeminent art historian Linda Nochlin will deliver the Woman's Club/Washington University Students for the Arts Lecture, titled "Bathtime: The Representation and Practice of Bathing in French Art." Nochlin is the Lila Acheson Wallace Professor of Modern Art at New York University and the author of "Woman as Sex Object: Studies in Erotic Art, 1730-1970," a landmark study that introduced a feminist perspective to the field of art history and criticism.

Oct. 6: "Do Americans Still Have a Dream?" is the title of a lecture by writer Andrew Delbanco, author of "The Puritan Ordeal" and "The Death of Satan: How Americans Have Lost the Sense of Evil." He is the Julian Clarence Levi Professor in the Humanities at Columbia University.

Oct. 13: Poet Heather McHugh will speak on "The Book of Bones: A Poet's Vesalius." The lecture will examine the skeleton drawings produced by an art studio for anatomist Vesalius' 16th-century "De Humanis Corporis Fabrica," which was the first complete textbook of human anatomy. McHugh, who teaches creative writing at the University of Washington, Seattle, recently published an anthology of her work titled "Hinge & Sign: Poems 1968-1993."

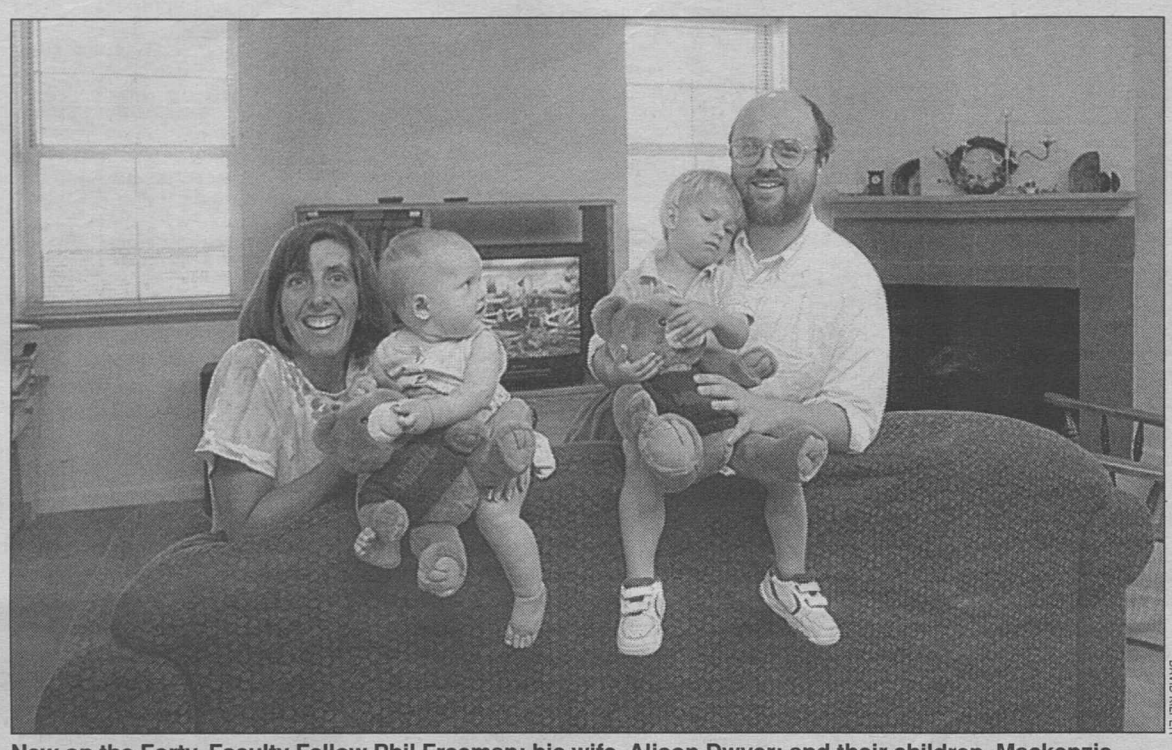
Oct. 20: The keynote address for the annual Black Arts and Sciences Festival, titled "Images of the Future," will be delivered by veteran television commentator Tony Brown. Brown is the host of "Tony Brown's Journal," the nation's longest-running public affairs show devoted to issues of special interest to the African-American community. He is also the author of "Black Lies, White Lies: The Truth According to Tony Brown" and "Empowering the People."

Oct. 21: Author and William Penn scholar Mary Maples Dunn, interim president of Radcliffe, will deliver the Olin Conference keynote address. This year's conference title is "Definitions of Success."

Oct. 27: Computer scientist Neil Gershenfeld will talk about "Things That Think." Gershenfeld is director of the Physics and Media Group at the Massachusetts Institute of Technology's Media Lab and author of the best-selling book "When Things Start to Think," which examines the directions that digital intelligence could take in daily life.

Nov. 3: The annual Council of the Students of Arts and Sciences Lecture will present Carol Moseley-Braun, the former Democratic senator from Illinois, speaking on "Serving with Integrity: The Challenges Facing Today's Public Servants." Moseley-Braun is the first African-American woman ever elected to the U.S. Senate. She now serves as a consultant for the U.S. Department of Education.

All lectures are held at 11 a.m. in Graham Chapel, except for the Oct. 21 lecture which is at 4 p.m. Lectures are free and open to the public. For more information, visit the Assembly Series Web page (http://wupa.wustl.edu/assembly) or call 935-5285.



DAVID KILPER

New on the Forty, Faculty Fellow Phil Freeman; his wife, Alison Dwyer; and their children, Mackenzie (left) and Connor, take a break in the living room of their new home in Kate M. Gregg Residential House.

Freemans

Family ensconced in Gregg House

— from page 1

Together, the Freemans are the latest "family on the 40."

Joining forces with the Wysessions — Michael, Joan, Willie and Elizabeth across the way in Danforth House — the Freemans are the second family to accept the University's invitation to live rent-free on campus for three years. Officially, their role is to integrate academic and residential life. "That's really about it, as far as the job description goes," Philip Freeman said. "How we do it is pretty much up to us."

In truth, the couple has been fulfilling that assignment since they arrived in St. Louis from Boston two-plus years ago.

"From the very beginning, the very first year we were here, we came down to the South 40 for Soiree at the Swamp and a couple of other activities," Freeman said. "We genuinely liked being with the students."

Those informal first-year visits led to a volunteer role in the Faculty Associates program, which pairs faculty members (and their families) with residence hall floors in an attempt to let both sides bridge the Forsyth Boulevard chasm. Sometimes the get-togethers would entail programming on the second floor of Koenig Residence Hall; sometimes they would consist of Alison's renowned Thai food fixings at the couple's DeMun-area apartment.

The jump to live-in status furthers their commitment to students — and provides a flashback of sorts for Dwyer. As a child, she and her family moved to Brunswick, Maine, in the early 1970s. Through a church program, the Dwyers became host parents for students from nearby Bowdoin College. It's a charge her mother and father still fulfill to this day, nearly 30 years later.

"We constantly had college students going in and out of our house — living there for a while when they were lonely, coming over for dinner," she recalled. "It was just very much a part of my growing up. And I just enjoyed it so much that I thought it would be fun to be on the other end of that. I think it will be neat now to be the 'grown up' and start introducing my children to that."

Said Freeman: "That's our unofficial role here — to provide a family atmosphere. These students never see kids. Now, they'll see ours and they'll see the Wysessions'. They'll see them trick-or-treating at Halloween and they'll see them flinging around spaghetti in Center Court."

It's also been made clear what their role is *not*. "Our role is not to enforce the rules, it is not to act as dorm parents at all," Freeman said. "We will talk to anybody or help anybody we can, but we are not trained psychological counselors. There are people here who do that much better than we do."

The official role — the merging of academics and residential life — will happen on a number of levels. Freeman, who will maintain an office in Lien House, the adjacent freshman residential house, will continue to serve as an academic adviser to freshman. He also will teach two courses in classrooms situated within Lien. And, notably, he will persist in his efforts to bring faculty members to the South 40.

"There are a lot of professors who have taught here for years and have never gone through the underpass," he said. "So we want them to come over and talk about their areas of expertise and opportunities at Wash U.

"When I went to college, I was afraid of professors," Freeman said. "And I think a lot of students are afraid to talk to them. So, hopefully, if students can get to know one professor and feel like they can approach him, then they'll be less wary to approach others."

Added Dwyer: "They can see that he's a father and a husband as well as a professor."

With that, Dwyer hands daughter to father. "Mackenzie is our easy-going, happy-go-lucky one," she said.

"Right now, when Connor doesn't know somebody, he's very, very shy," she said. "But when he gets to know somebody, he's a nonstop talker. This is a mother speaking, but I think he has a wonderful personality and sense of humor."

Mom, a devoted Red Sox fan, also reports that Connor possesses a "mean overhand fastball — hard and straight," which could come in handy, considering that WU's baseball field sits 20 feet from their living room window.

"We're not here to impose ourselves on anybody who doesn't want a family atmosphere," Freeman concluded. "That's perfectly fine. But for those who are interested, we're here. If they want to hold a baby, borrow a fork, whatever."

"And no diaper changing," Dwyer said with a laugh. "That's a promise."

Cherished friends

New houses bear distinguished names

Washington University will honor two esteemed scholars and a cherished friend of the University in the names of three new residential houses open this fall. In addition, a new residential college, including two of the buildings, will bear the name of Robert S. Brookings, who served the University as trustee, president and president emeritus for more than 40 years, from 1891 to 1932.

Of the three new buildings, the westernmost one is Howard Nemerov Residential House, named for the late Edward Mallinckrodt Distinguished University Professor Emeritus of English and twice the U.S. Poet Laureate. To the east, Arnold J. Lien Residential House honors a professor of political science who chaired the department for 28 years, from 1924 to 1952, and was known as the toughest — and most beloved — professor on campus. North of Lien House, Kate M. Gregg Residential House bears the name of a faithful and involved alumna who supported many University programs and initiatives. Lien and Gregg will make up Brookings College; Nemerov will be part of a future college.

"These were highly distinguished faculty members and wonderful friends and leaders at the University," Chancellor Mark S. Wrighton noted. "Naming these buildings and this college for them is a fitting way to remind students and those who come after them of their extraordinary contributions."

Justin Carroll, assistant vice chancellor and dean of students, is enthusiastic about the new facilities. "The new buildings are exciting because we're not only continuing our progress toward making the South 40 better for undergraduates but also moving forward in creating a better living and learning environment for all our students," Carroll said.

The buildings, part of Phase Two in the South 40 construction program, also include offices for residential life and housing staff. This space, Carroll said, "enables us to provide better service to students and to use our resources more efficiently." And he said new facilities for student activities help make the South 40 an even more inviting and exciting place for students to be.

The Brookings name is in some ways synonymous with the University, adorning the landmark structure that both welcomes visitors approaching campus on the main drive and opens into the main quadrangle. The drive and the quad are known by the Brookings name as well.

Robert Somers Brookings came to St. Louis in 1867 at 17 to join the wholesale woodenware and willowware house of Cupples & Marston. He began as a $25-a-month clerk and quickly worked his way up through sales. He was a partner in the firm by 1871. By 1895, he had amassed a personal fortune and decided to retire from business to pursue philanthropic interests. Already a University trustee, he agreed to become president of the board. There followed numerous generous gifts and tireless efforts on the University's behalf. He presided over the creation of a new campus at Lindell and Skinker Boulevards to replace inadequate facilities downtown, the reorganization of the School of Medicine and the development of the Medical Campus.

Later, Brookings decided to move to Washington, D.C. — where he founded the Brookings Institution — and gave the University his residence and a 40-acre wooded tract on Ellenwood Avenue. This gift became Alumni House, home of Public Affairs and Alumni and Development offices, and the South 40, where most on-campus housing is located.

Howard Nemerov joined the Arts and Sciences faculty in 1969. A 1941 graduate of Harvard University, Nemerov had taught at Hamilton, Bennington and Hollins colleges, the University of Minnesota and Brandeis University before joining the faculty here.

He wrote over 30 books — novels, short story collections, verse and criticism. Among his many honors were a Guggenheim fellowship in 1968 and the National Book Award and the Pulitzer Prize for Poetry in 1978. He was a member of the National Institute of Arts and Letters, a fellow of the American Academy of Arts and Sciences and the recipient of more than 20 honorary degrees.

Nemerov regularly taught both undergraduate and graduate courses. He was generous with his time and talent and frequently spoke to rapt campus audiences and at community events.

Nemerov was born in New York City in 1920. During World War II he was a flying officer in the Royal Canadian Air Force and a first lieutenant in the U.S. Army Air Force. He died in 1991.

Arnold Johnson Lien earned a Ph.D. from Columbia University in 1913 and came to Washington University in 1924. His reputation on campus was so powerful that students spoke of taking "Professor Lien" rather than "political science." His interests ranged across the whole breadth of human endeavor, and he inspired students to pursue a wide variety of subjects and study. Though shy and reclusive outside the classroom, Lien won the affection of hundreds of students, many of whom he helped with both personal and financial problems.

A native of Minnesota, Lien served as a captain in the American Red Cross during World War I, doing general welfare and hospital work in France, Luxembourg and Germany. He died in 1963.

A scholarship named for Lien is awarded yearly to three entering freshmen, providing an annual stipend and full tuition for four years of undergraduate study in social science disciplines in Arts and Sciences.

Kate M. Gregg graduated from the University in 1959 with a bachelor's degree in economics. Both her father and grandfather were also alumni. A native of St. Louis, Gregg was an ardent supporter of the arts and gave generously of her time to local cultural institutions. She also volunteered enthusiastically on campus as a long-time member of the Washington University Association, the Women's Society and various Arts and Sciences alumni committees.

Gregg was particularly active in the Eliot Society and helped plan many of the society's events. She was a member of the Arts and Sciences Scholarship Committee and was much involved in organizing the gala to celebrate the 10th anniversary of Edison Theatre. Gregg died in 1998.

Employment

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

Hilltop Campus

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

Grants and Accounts Specialist 000004

Administrative Aide 000005

Accountant 000009

Counselor 000014

Assistant Director of MBA Admissions 000017

Library Technical Assistant 000021

Legal Clinic Coordinator 000022

Laboratory Technician 000023

Receptionist (part time) 000024

Administrative Assistant 000025

Admissions Coordinator/Counselor 000027

Administrative Assistant 000028

Accounting Clerk 000029

Mailroom Supervisor 000032

Administrative Aide 000033

Systems Programmer I 000034

Assistant Crew Coach 000036

Assistant Director, Publications and Advertising 000038

Director of Admissions 000039

Department Secretary 000041

University Communications Secretary 000042

Department Secretary 000044

Administrative Secretary 000045

Senior Research 000046

Assistant Graphic Designer 000047

Public Service Coordinator/ Administrative Secretary 000048

Accounting Clerk 000051

Office Manager 000052

Administrative Coordinator 000053

Assistant Manager 000055

Regional Director of Development 000057

Government Grants Specialist 000058

Purchasing Coordinator for Furniture and Design 000060

Director of Campus Police 000061

Communications Technician I 000062

Administrative Assistant 000064

Human Resources Assistant 000068

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 resumés to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110, or call 362-7196.

Certified Coder 991200

Research Administrator 991436

Coding Coordinator 991492

Supervisor, Insurance Billing and Collections 991510

Nurse Practitioner 991525

Manager, Graduate Student Coordinators 991637

Systems Manager 991742

Health Physics Technologist II 991750

Public Safety Officer 991771

Medical Transcriptionist 000167

Lab Animal Technologist 000257

Medical Transcriptionist 000317

Pre-certification Coordinator 000192

Campus Watch

The following incidents were reported to University Police from **Aug. 16–22.** Readers with information that could assist in investigating these incidents are urged to call **935-5555.** This release is provided as a public service to promote safety awareness and is available on the University Police Web site at **rescomp.wustl.edu/~wupd.**

Aug. 16

10:19 p.m. — A man was charged with burglary, stealing under $750 and trespassing after he allegedly stole groceries and light bulbs from the Stix International House.

Aug. 19

4:51 p.m. — An employee reported the theft of her purse, containing credit cards and identification, from her office in Room 302 Anheuser-Busch Hall.

Aug. 20

4:59 p.m. — Students reported the theft of 74 video cassette tapes, valued at $1,000, from the video store in Eliot Residence Hall.

University Police also responded to an additional three theft reports, six injuries, an auto accident and one report of a suspicious person.

Notables

Dining services chief named

Gregory P. Teator has been appointed general manager of dining services effective Aug. 2, according to Steven P. Hoffner, assistant vice chancellor for students and director of operations.

Teator will head the 13 Bon Appétit dining areas operating on campus. His administrative duties include directing 140 employees, handling dining operations and finances.

Teator Managing 13 dining areas

Teator has more than 29 years in the food industry, working for the last nine years at the University of North Dakota as the director of dining services. Previously, he worked for 10 years at Syracuse University as associate director of dining operations.

"His many years of experience both at the University of North Dakota and at Syracuse University have given him a great background in terms of bringing new ideas to Washington University, and we look forward to a very good year of serving the campus community," Hoffner said.

Teator attended Syracuse University for a degree in food systems management and is a member of the National Association of College and University Food Services and the National Restaurant Association.

Teator said he plans to make some modifications to menus based on student input.

"We're also working on the cost/value perception," Teator said. "We're making menu changes at the Umrathskeller, offering more of a sports bar type menu with larger portions and grilled sandwiches. We're also looking at starting a dart league there."

Teator is joined by a new director of catering, Jeff Laska. With food service management experience exceeding 14 years, Laska most recently was assigned to Wheaton College near Chicago as catering director. He has been with Bon Appétit for five years and also began working at Washington University Aug. 2.

2003

Interesting stories come with new faces on campus

— from page 1

interesting stories these students bring to the campus are:

• **Tom Shelley and Kristen Kiselewich,** both freshmen on campus this fall, represent two generations of the same family. He is the son and she the granddaughter of Walter Shelley of Ohio.

"It's a remarkable coincidence," the senior Shelley said. "They didn't discuss where they were going to school. It just happened by shear chance. I almost fell over when I found out. They both had other offers but thought Washington University is the best."

They hadn't seen each other often; the two families live about four hours apart. The Shelleys live outside Toledo and Kiselewich lives in Carmel, Ind. They'll see each other a lot now, though. Tom's living in Arnold J. Lien Residential House on the South 40, and Kristen is just across the way in Umrath Residence Hall.

Shelley is enrolled in the School of Engineering and Applied Science, and his maternal grandfather graduated from the engineering school 70 years ago. His mother's mother also is an alumna who graduated from the School of Medicine in 1935.

"It's a nice thing," Walter Shelley said. "I can go for parents' and grandparents' day."

• **Annie Chao,** of Wichita, Kan., was one of 140 new high school graduates nationwide honored this summer as a Presidential Scholar. President Bill Clinton conferred the awards in a posh ceremony at Georgetown University, shaking hands and posing for photographs with each student.

Presidential Scholars are selected on the basis of SAT and ACT scores and essays. The award included a week in Washington, D.C., all expenses paid.

Chao, 18, plans to study biochemistry and writing, with an eye toward a possible science journalism career. As for meeting the president this summer, she said the thought foremost in her mind as she crossed the stage toward him was: "Don't trip and fall."

• **Antoine Brown,** of Chicago, comes to the University with the help of a $5,000-a-year scholarship from the Jackie Robinson Foundation endowed by Royce Clayton, shortstop for the Texas Rangers. Brown is the first recipient of the scholarship, which Clayton established April 28.

Brown learned of the scholarship through his participation in Target Hope, a Chicago-area college-preparatory program that offers Saturday classes at area universities. The foundation made the selection after a rigorous nationwide competition on the basis of an application and essay, an interview, his high school transcript and SAT scores.

Brown, who plans to major in business and minor in computer science, has combined the Clayton scholarship with others to pay for his education. "Without this scholarship help," he said, "I could not afford to go to college."

In establishing the scholarship, Clayton said Robinson had opened major league baseball to African Americans, and " the best way we can continue to honor his life is to give opportunities to others."

• Incoming graduate students are a distinguished lot as well. Among them: **Melinda Carden** is enrolled in the master's program at the George Warren Brown School of Social Work. She was among 75 students nationwide to receive a 1999 Harry S. Truman Scholarship, presented annually to students planning careers in public service.

While in high school, Carden started working in food service at a retirement home for extra spending money, but she ended up finding her real passion. She made friends with the residents and realized that the elderly have a lot to teach society.

As part of the scholarship competition, she prepared a public policy memo to the governor on the condition of long-term care facilities in Kansas. She proposed strengthening services to allow elderly people on fixed incomes to stay in their own homes and changing the process for handling Medicare reimbursements. She eventually wants to develop health policies for the aging at the state level.

She received a bachelor's degree in social welfare from the University of Kansas in May, where she started a program that brings university students, the elderly and children in the community together in a variety of activities.

DAVID KILPER

Retirees Minnie Parks, Carol Anita Sagner and Henry Leon Key join Chancellor Mark S. Wrighton at the annual retirees luncheon Aug. 12 at Whittemore House. The three received flowers for accumulating the most years of service among those in attendance.

1,100 years of service Luncheon honors 55 retirees

By Christine Farmer

Carol Anita Sagner first stepped foot on the Washington University campus in 1946 as a student. In 1951 she began working in the graduate school of Arts and Sciences.

"I've seen a lot of changes with all the new buildings and computers," she said. "We had manual typewriters and no air conditioning when I started."

After 48 years she decided to retire. Well, sort of.

"I am traveling but I am still working part time in the same office," she said. "I am not ready to leave the University yet."

Robert E. Thach, dean of the graduate school of Arts and Sciences, chimed in: "We wouldn't want her to leave. We wouldn't know what to do without her."

Sagner was among staff retirees from the Hilltop and Medical campuses who were recognized at an Aug. 12 luncheon hosted by Chancellor Mark S. Wrighton at Whittemore House. Each of the retirees, whose lengths of service ranged from 10 years to Sagner's 48, received a commemorative plaque.

"You have my thanks and deep appreciation for what you have done," Wrighton said to the retirees. "You have made the University the great University that it is. Everyone has made a remarkable contribution during their time here. The University has been affected very favorably by the enthusiasm, creativity and hard work of the employees."

He added that the group looked younger but chalked it up to his recent 50th birthday, which drew a chuckle from the crowd.

Retirees received their awards from the heads of their respective departments.

In addition to Sagner, Minnie Parks, who retired after 39 years, and Henry Leon Key, who was here for 30 years, received flowers for being the three retirees in attendance with the longest service.

Parks, who worked in custodial services at the Medical School, said she plans to spend lots of time enjoying her 19 grandchildren, great-grandchildren and great-great-grandchildren. Key, who retired as central stores manager, said he plans to travel.

In addition to Sagner and Key, the Hilltop retirees and their years of service are:

Anita L. Bledsoe, 16 years; Florida M. Bosley, 25 years; Cathy S. Dorenkamp, 10 years; Jan Druyvesteyn, 13 years; Robert H. Easton, 30 years; Barbara A. Fritz, 10 years; Gerald G. Hinders, 10 years; Carol E. Hogan, 43 years; Marilyn R. Holmes, 10 years; Jeanne E. Johnston, 11 years; Dency B. Kahn, 10 years; Ann P. Lacy, 13 years; Sachiko Morrell, 30 years; Robert Roger Nordman, 29 years; Svetlana Schuster, 19 years; Doris J. Smetak, 18 years; David W. Werner, 11 years; and Audrey P. Whittenberg, 32 years.

> **"You have my thanks and deep appreciation for what you have done. You have made the University the great University that it is."**
>
> Mark S. Wrighton

In addition to Parks, the medical school retirees and their years of service are:

Patricia Mary Antil, 13 years; Thomas E. Ashton, 12 years; Virginia M. Bischof, 30 years; Rita L. Boshans, 27 years; Lillie M. Bryant, 12 years; Suzanne E. Cole, 11 years; Kathleen Carol De Weese, 12 years; Gary Lee Fears, 11 years; Joan Fink, 28 years; Barbara J. Fox, 29 years; Mimi Friedman, 10 years; Shirley Ann Gonzalez-Rubio, 26 years; Angela M. Hibbits, 22 years; Janice Lee Hoelker, 14 years;

Nels Holmberg, 29 years; Mary Jane Hudson, 17 years; Clara E. Ingersoll, 23 years; Beverly Ann Krause, 14 years; Raymond M. Like, 28 years; Doris T. Margrabe, 15 years; Joyce S. Marvel, 22 years; Viola Moore, 21 years; J. Gale Murphy, 30 years; Charles Lee Palmer, 23 years; Chung Soon Park, 11 years; Frances Ann Richter, 21 years; Louis Daniel Robinson, 11 years; Ben Sanders, 15 years; Diane Louise Schall, 17 years; Frances Ann Sutherlin, 22 years; Ursula Doris Vogele, 22 years; Laverne Joyce Will, 15 years; Leslie James Woods, 13 years; and Mary Ann Wucher, 13 years.

The 55 retirees have nearly 1,100 years of service combined.

Pitching in for the United Way

As part of the United Way Days of Caring, 67 University employees volunteered at one of 11 United Way-affiliated agencies for a half day earlier this month, helping with landscaping or working with children. The following employees took part:

Melanie Adams, Stacie Alvino, Linda Ardakani, Mike Aug, Midge Bailey, Nancy Belt, Vicki Brady, Elizabeth Braun, Jane W. Brown, Charla Bruce, Erin Burress, Linda Carrington, Pam Christopher, Dena Conner, Jacque Cooper, Lori Covert, Lisa Cynamon, Jan Douglas, Tammy Dwyer, Gerry Everding, Christine Farmer, Cathleen Forsting, Betsy Foy, Suzanne Goodman, Kristin Groetsch, Susan Gyorog, Karen Heet, Shanelle Henry, William Hicks, Karin Horstman, Jeff Huestis, Phyllis Jackson, Stephanie Ketron, Sue Kruessel, Stephanie Kurtzman, Rebecca Kutzner, Carol Lane,

Linda Marcus, Margaret McClelland, Annie McDuffie, Shelah Miner, Robyn Neuhalfer, Sue Nickrent, Judy O'Leary, Sarah Oppland, Steve Oppland, Gwendolyn Patton, Alfreda Perry, Jonathan Pesak, Raye Riggins, Lisa Romay, Steven Rosenblum, Rhonda Schaper, Kathy Schneider, Michele Shoresman, Mark Siedband, Beverly Jane Spudich, Lindsey Stouffer, Gloria Stukenbroeker, Adele Tuchler, Sandy Tutinoi, Sonya Underwood, Nicole Vines, Tommy Watkins, Patricia Westermayer, Evelyn White and Diane Duke Williams.

Washington People

JOE ANGELES

Judi McLean Parks, Ph.D., enjoys family heirlooms, including the desk at left, used by her grandmother and great-grandmother. Both taught in the same one-room schoolhouse.

McLean Parks has 'low tolerance for boredom'

Business school's first woman with tenure blazes divergent trails — from classroom to Boundary Waters

BY NANCY BELT

Trailblazing seems to come naturally to Judi McLean Parks, Ph.D. Whether she's talking about becoming the first tenured female at the John M. Olin School of Business as of July 1 or tracking and photographing bears in the Boundary Waters, a sense of adventure punctuates her words.

"I have a low tolerance for boredom," she said with an infectious laugh. Maybe that's why, as professor of organizational behavior, she's able to balance research, teaching two or three courses (including a class in the business school's London Study Program), leading Ph.D. seminars and serving as an organizational consultant.

McLean Parks deals in down-to-earth issues, teaching courses like "Negotiation and Conflict Management," among others. "We all use negotiating skills — with our kids, our boss, or whomever," she said, "and everyone can improve in this domain."

John Reidy, who took the class and graduated from the Professional Master of Business Administration program in May, affirmed its value. "We learned to negotiate always from a position of strength," he said. "If you can't walk away from the table, you're in a weak position."

Reidy, senior compliance manager at Edward Jones Investments in St. Louis, said McLean Parks was very confident, very knowledgeable and an extremely tough negotiator. Many students go to McLean Parks for guidance in negotiating job offers. "You knew you never wanted to be up against her in a negotiation," Reidy said, "because you knew you'd be outdone. The anecdotes she told about her experiences in negotiation were powerful."

McLean Parks' experiences have been richly diverse. "I wasn't your typical student," she said. "I started out in classical music, as a singer, but I tired of hours of scales and arpeggios a day." Early in her career, she was a service representative for "Ma Bell," where she joined a union for the first time. Later she became a consultant in commercial and residential real estate and a free-lance computer programmer. "I've been in the trenches, not just the ivory tower," she said.

Back to school

As an older student with two children, McLean Parks earned a bachelor of business administration degree from Iowa State University in Ames. She went on to receive a master of arts in management sciences and a doctoral degree in organizational behavior, both from the University of Iowa in Iowa City.

"She was a terrific student," said Ed Conlon, Ph.D., now the Edward Fredrick Sorin Society Professor of Management at the University of Notre Dame in Indiana. While he was at the University of Iowa, Conlon advised McLean Parks about her dissertation. "She was born to do what she's doing," he added. "Unlike many others, she understood what a research degree was all about, and she got involved in research right away. She hit the ground running, and she was a hard worker with superb skills."

McLean Parks, recently named to the editorial board of the Academy of Management Review, has won many awards for her research and serves as a board member or reviewer for six journals.

"Research is a path to discovery," she said, "and teaching is a path to validation." Teaching runs in McLean Parks' maternal bloodline. Her mother, Mary McLean, who was a great influence on her, was a teacher for 50 years. Her grandmother and great-grandmother were also teachers. "I never imagined I'd be a teacher," she said, "because I don't have much patience and couldn't imagine teaching little kids. Later, I realized you could teach adults, who didn't have peanut butter or other sticky things on their fingers."

Judi McLean Parks, Ph.D.

Education Iowa State University, Ames, B.B.A.; University of Iowa, Iowa City, M.A., Ph.D.

University position Professor of organizational behavior

Family Children, Jason, 27, in the U.S. Navy, and Heatheryann, 24, first-year transfer student in Arts and Sciences at the University this fall

Hobbies Antiquing, listening to classical music, gourmet cooking, gardening, observing nature, genealogy

> "She's been a great mentor for me, and she exemplifies the word 'collegial.' "
>
> MELISSA THOMAS-HUNT

Before joining the faculty here in 1995, McLean Parks taught at the Industrial Relations Center at the University of Minnesota at Minneapolis, and was a visiting scholar at Cornell University in Ithaca, N.Y., and at the Institute d'Administration des Entreprises, Université Jean Moulin Lyon III, Lyon, France.

"Teaching and living in France was a great test-market for what I teach in 'Managing in a Multicultural Environment,'" she said. Almost every student, she observed, will be involved in either a multinational firm or in a merger or acquisition sometime during his or her career. "Whether one's learning to live in blended cultures such as Boeing and McDonnell Douglas, Wall Street and health care, accounting and consulting, or navigating cultural and gender differences, it's important to learn how to get along with people, to avoid faux pas."

McLean Parks knows how to keep her courses interesting. For instance, when she teaches "Organizational Behavior," she uses an exercise simulating an Australian bush fire in order to teach group decision making.

She also helps students learn what motivates employees. "Money is not a primary motivator for everybody," she noted. Probably what's most important to an employee, McLean Parks believes, is the psychological contract he or she has with an employer. "This contract — the employee's belief in a set of reciprocal obligations — is not legally binding," she added, "but when it's broken by supervisors or co-workers, it leads to overt or covert acts of revenge in the workplace." McLean Parks is a noted researcher, consultant and commentator on revenge and violence in the workplace.

Colleague Melissa Thomas-Hunt, Ph.D., assistant professor of organizational behavior at the business school, shares similar academic interests. Thomas-Hunt, who researches diversity in groups, conflict and conflict resolution in the workplace, said McLean Parks has been very helpful to her. "She's been a great mentor for me, and she exemplifies the word 'collegial,'" Thomas-Hunt said.

Diversity also applies to McLean Parks' personal interests, which include genealogy. "It has only been recently that I have been bitten by the genealogy bug," she said. "I knew I was hooked when I began finding stories of murder, mayhem and even a witch trial in the 1600s." McLean Parks has found more than 3,000 names of ancestors of her mother, whose family was among the first immigrants to North America from England and the Netherlands.

Gourmet with gusto

She has applied the same gusto to gourmet cooking. "I've collected about 700 cookbooks, because I read cookbooks like other people read novels," she said. "I collect ideas, but I don't follow recipes." Her favorite dishes include "Michael's Nectarine Pasta," which "sounds awful but is wonderful," and "Indian Pudding Soufflé," which she has cooked on a wood-burning stove and served at Thanksgiving. (Recipes for both are on her Web site at www.olin.wustl.edu/faculty/mcleanparks/.)

When it comes to her career, McLean Parks is perfecting her own recipe for success. "Academe, paralleling industry, is fairly conservative," she said, "but I like what I do — and one day I'd like one of those endowed chairs."

Getting up close and personal with a black bear, Judi McLean Parks and her daughter, Heatheryann, enjoy a fall trip to Ely, Minn., one of many to track and photograph bears in the Boundary Waters areas.