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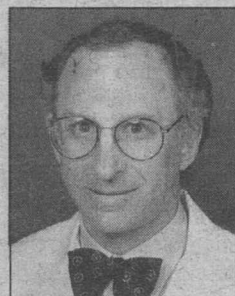
MS SAMUELA
BOX NO. 8132

KOYFMAN

Scientists and varying h of sleeping

Since the American Academy of Pediatrics in 1992 to 1994 in the "Sleep" campaign, the rate of Sudden Infant Death Syndrome (SIDS) has dropped 30 percent. But the practice of putting babies to sleep on their backs instead of their stomachs may be causing an unexpected outcome — a dramatic increase in the number of infants with misshapen or lopsided heads, according to School of Medicine researchers.

"From our study, we learned there was a large increase from 1992 to 1994 in the



Jeffrey L. Marsh

number of American babies with this kind of head deformation. The only factor the increase correlates with is change in sleep position," said Jeffrey L. Marsh, M.D., professor of surgery and of radiology, associate professor of pediatrics and lead author of the study. The findings were published this summer in *Pediatrics*.

An infant's head is easily deformed. The skull is soft so the baby can get out of the birth canal, and it consists of a number of separate bone plates that gradually fuse during childhood.

The babies' heads in the study were misshapen because one side of the back was flat and the other side was pushed out. This occurs, the study suggests, from babies lying in the same position every night.

"It's like having a bowling ball with a flat surface," Marsh said. "If you roll it, it's always going to go on the flat side of the bowling ball. And the more you're on the flat side, the flatter it gets."

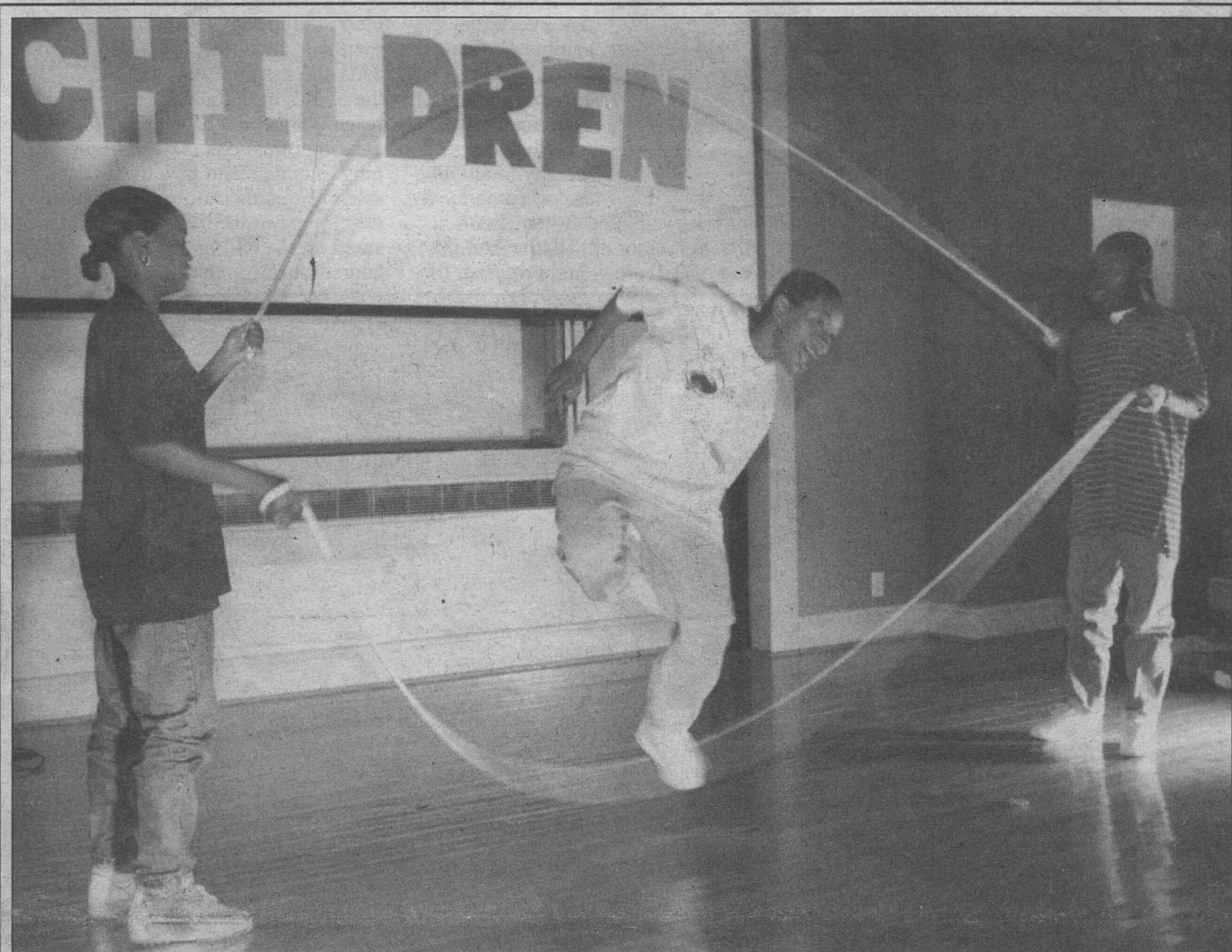
To avoid this condition, known as plagiocephaly without synostosis (PWS), Marsh recommends that parents and caregivers vary the position of a sleeping infant's head while continuing to put the baby to sleep on his or her back. They should switch head position each time they put the baby to sleep — one time turned to the left and the next time turned to the right.

"It seems that if parents rotate head position for the first few months, before infants get any head control, the problem doesn't happen. Or if it starts, it takes care of itself," Marsh said.

Children with PWS can suffer psychosocially and physically. The deformity affects ear position and face shape and eventually can hamper neck function.

Large numbers of children with PWS also have been misdiagnosed with a rare condition called craniosynostosis, in which two or more bones of the skull fuse

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'Kids Speakin' Out'

St. Louis-area youths perform a "Double Dutch" jump-rope routine during "Kids Speakin' Out — A Celebration of Young Talent" on Oct. 25 in Simon Hall's May Auditorium. The talent show was part of a two-day program that focused on the special problems and showcased the talents of St. Louis children. More than \$700 was raised from ticket sales for the talent show and from a bake sale. The money was donated to Haven of Grace, a shelter for teen-age mothers in the St. Louis area. The two-day event was sponsored by Voices for Children, a student group at the George Warren Brown School of Social Work that was established in the spirit of the recent "Stand for Children Rally" in Washington, D.C.

'Strong and talented'

University enrolls 1,296 freshmen from 47 states, 27 countries

Washington University's total daytime enrollment for the 1996-97 academic year is 10,240 students. The total daytime enrollment last academic year was 10,122 students. This year's freshman class numbers 1,296 students.

The University received a record number of applications for admission (11,276) for the 1996-97 academic year — a 45 percent increase in applications over the past two years, said Nanette Clift, director of recruitment in the Office of Undergraduate Admission.

About 29 percent of the freshmen are international and minority students.

"We were pleased to see not only a significant increase in the number of applications from multicultural students but also an increase in the number of students who enrolled here this fall," Clift said. "Our multicultural student groups have done a great job in helping to attract the interest and attention of prospective students."

The Class of 2000 is geographically diverse, with freshmen coming to the University from 47 states and 27 countries. About 45 percent of the freshmen hail from the Midwest; about 15 percent from the Middle Atlantic region; about 12 percent from the South; about 13 per-

cent from the West and Southwest; and about 6 percent from the Northeast.

Approximately 46 percent of the 1,296 freshmen ranked in the top 5 percent of their high school classes; about 66 percent in the top 10 percent; and about 87 percent in the top 20 percent. Eighty-seven freshmen were ranked No. 1 in their high school classes.

About 285 freshmen were senior class officers in their high schools; about 800 were National Honor Society members; and about 330 were sports captains.

"It is wonderful to see another strong and talented freshman class on campus,"

Continued on back page

U.S. News editor, former presidential adviser Gergen to lecture

David Gergen, J.D., editor-at-large of *U.S. News and World Report*, will deliver an Assembly Series lecture titled "A View From Washington" at 4 p.m. Wednesday, Nov. 13, in Graham Chapel. The lecture is free and open to the public.

Gergen's political career has spanned nearly 25 years, and he has served on the staffs of four U.S. presidents — Richard Nixon, Gerald Ford, Ronald Reagan and Bill Clinton. During Reagan's first term, Gergen was the director of a large communications operation that embraced the press office, speechwriting, public affairs and television.

Gergen was recruited as an editorial writer for *U.S. News* in 1985 and quickly rose to become editor-at-large in 1988. He was instrumental in guiding *U.S. News*

through a period of considerable renovation and saw the magazine enjoy record gains in circulation and advertising.



David Gergen

As part of an acclaimed duo with Mark Shields from 1987 to 1993, Gergen became popular for his Friday night political coverage on the TV program "The MacNeil-Lehrer NewsHour." Most recently, Gergen served for six months as a special adviser on foreign policy to President Clinton and to the secretary of state.

Gergen is an honors graduate of both

Yale University and the Harvard University Law School and is a member of the District of Columbia Bar. He has taught at Harvard's John F. Kennedy School of Government and has served as president of 15 business schools. Gergen is currently a visiting professor of the practice of public policy studies at Duke University's Terry Sanford Institute of Public Policy, where he has taught courses on the modern presidency. He is currently writing a book on presidential leadership in the late 20th century.

Gergen will be introduced by former U.S. Sen. Thomas F. Eagleton, University Professor of Public Affairs.

For more information about the lecture, call (314) 935-5285.

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"The Dybbuk" is a beautiful and terrifying story of love trapped between two worlds

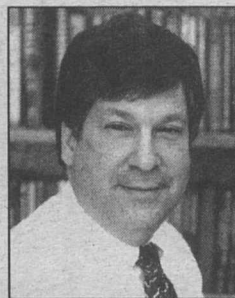
Medical Update

Researchers discover how cancer dodges immune system

School of Medicine immunology and cancer researchers have identified two ways that cancer cells escape detection by the immune system. Both scenarios involve a watch-dog protein in the immune system called interferon-gamma. This protein, when muzzled, allows certain forms of cancer to grow and spread.

The initial work, which was presented recently at the Cancer Research Institute's International Symposium Series in New York City, involved a live model for studying an immune system function known as tumor surveillance. Researchers now know that interferon-gamma helps provide eyes and ears for

the tumor surveillance system. Their research sheds new light on the body's early warning system that guards against cancer.



Robert D. Schreiber

“We have found that interferon-gamma plays a central role in controlling nascent tumor growth and thereby functions as one component of a tumor surveillance system,” said Robert D. Schreiber, Ph.D., the Alumni Professor of Pathology and professor of

molecular microbiology. “We now have a definitive model to study how certain tumors become unresponsive to interferon-gamma and may then develop and spread.”

Interferon-gamma is a type of common immune system component called a cytokine. Cytokines work outside of cells and are important for controlling the body's inflammatory and immune responses, which have major roles in clearing infections. Scientists are beginning to understand how these responses also clear some cancer cells that are developing in the body, offering a measured level of immunity to cancer. Of course, such immunity can be side-

stepped in many ways by different types of cancer cells, but interferon-gamma is clearly an important factor that alerts the immune system to the presence of certain types of cancer cells, Schreiber said.

“This function is important because it helps the immune system see a developing tumor. Once this event occurs, then you develop the appropriate immune response to this tumor, and you often are able to eliminate it,” he added.

The scientists identified two ways, one genetic and one acquired, by which tumors become resistant to rejection and proliferate, in part, because the immune response has been silenced.

To develop a live model of tumor surveillance, they used mice with a deletion of a gene that dictates the function of interferon-gamma. The scientists then challenged the mice with a chemical carcinogen to study the incidence of cancer.

“As expected, these genetically altered mice developed many more tumors than mice with normal interferon-gamma function,” Schreiber said. “These results predict that a loss of interferon-gamma sensitivity during tumor development may provide the tumor with the mechanism to escape detection and elimination by the immune system.”

In the second branch of their work, Schreiber and his colleagues showed that exposure of tumors to certain biological agents, including high levels of interferon-gamma itself, also leads to a loss of interferon-gamma sensitivity in tumors. The two studies demonstrate that tumors can escape the effects of the watch-dog protein either through genetic or acquired mechanisms, Schreiber said.

To correlate these findings with human disease, the scientists examined one form of human lung cancer for a breakdown in interferon-gamma function. The human tumor samples showed a high incidence of unresponsiveness to the watch-dog protein.

The researchers will continue to define the precise role of the watch-dog protein in promoting tumor surveillance. Schreiber and his colleagues will continue to study the molecular basis of interferon-gamma's action on cells and its effects on other types of human tumors.

—George Corsiglia



Fighting the flu

Ann Sutherland, staff nurse, gives laboratory medicine resident Yang-Xin Fu, M.D., Ph.D., a flu shot at the School of Medicine's Employee Health Fair. In the background, clinical nursing specialist Marilyn Miller also administers a shot. During the fair, which was held Oct. 28-30, Employee Health Service staff gave more than 2,000 flu shots.

Team's fiscal planning offers solid future for school

Today's rapidly changing, cost-conscious health-care market has placed unique challenges on the medical community and, in particular, on academic medicine. Academic medicine relies heavily on its patient base to support a tripartite mission of clinical care, research and education. In response, the School of Medicine has focused on providing both high-quality and cost-effective care in order to preserve its clinical practice.

Although the medical school's recently announced clinical practice plan is focused on meeting both of the above-mentioned objectives, which will allow the school to remain competitive in a growing managed-care environment, it also is designed to help ensure the future through strategic financial planning.

The Financial Management Design Team — one of four teams chartered by the Practice Plan Steering Committee and made up of department heads, faculty and staff — was given two charges early this year.

The team's first charge was to build on the medical school's existing financial models and other sources to create a comprehensive forecasting tool. This financial forecasting tool was designed to be sensitive to changes in patient-care volume, declining unit-price reimbursements and other factors.

The team's second charge was to develop targets for clinical revenue, volume, cost, capital generation and other key operating requirements.

A computer-based forecasting model was developed to compare the medical school's financial state to more developed managed-care markets, including Chicago, a developing market for managed care that is slightly ahead of St. Louis; Worcester, Mass., a moderately developed market for managed care that is ahead of St. Louis; and Portland, Ore., a highly developed market for managed care that is greatly ahead of St. Louis. In considering managed-care penetration, the team looked at commercial health insurance providers as well as the Medicare and Medicaid payer groups.

“As managed care gains an even greater foothold in the St. Louis market, reimbursement to our physicians likely will decline to levels comparable to those achieved in more advanced managed-care markets. If we compare St. Louis to Portland — the most advanced managed-care market reviewed — we could see a 32 percent to 40 percent drop in physician reimbursement,” said Alex S. Evers, M.D., the Henry Eliot Mallinckrodt Professor and head of the Department of Anesthesiology. He also is a professor of medicine and of molecular biology and pharmacology.

Evers, a member of the Practice Plan Steering Committee, co-chairs the Financial Management Design Team with Lee F. Fetter, associate dean for administration and finance.

“Additionally, as managed care advances in St. Louis, we could realize a drop in the utilization of health-care

services ranging from 9 percent to 29 percent, based on the Portland experience,” said Evers.

In addition to forecasting the impact of managed care on the St. Louis market and on the medical school, the team also analyzed major medical school expenses, including current research cross-subsidization, and strategic investment issues, such as upgraded information technology systems. Following completion of its analyses, the Financial Management Design Team made the following recommendations for schoolwide financial management:

1. The departments must report financial information based on a standard set of revenue and expense definitions and cost-allocation methodologies.
2. Clinical revenue from all sources — including clinical practice, affiliated hospitals and clinical trials — should cover all clinical expenses, both direct and allocated.
3. Clinical revenue should provide a defined level of support for the academic mission of the medical school and departments.
4. Clinical services also should provide a margin for reinvestment in the clinical practice by continuing to add to reserves.
5. The medical school should use a portfolio approach to set targets for building reserves, considering the strategic goals of each department for reinvestment in clinical services and their relative earning capacity.

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 Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Cryer focuses on mechanisms of diabetes

Growing up in rural El Paso, Ill., Philip Cryer knew he wanted to become a doctor. His father was a country physician — the kind of doctor who took care of entire families from birth to death and the kind of man who might be called “Doc” by neighbors. His son’s goals were a bit more formal.

Cryer hoped to become an internist and an endocrinologist, but somewhere along the road to private practice, he found himself moving into academic medicine. Although he pursued research, Cryer never moved away from his patients.

The Irene E. and Michael M. Karl Professor of Endocrinology and Metabolism, Cryer, M.D., does all of his research in human subjects in clinical settings. His “laboratory” is the School of Medicine’s General Clinical Research Center, which he directs.

“He is one of the very few left who really understands what it takes to do high-end clinical investigation,” said Patrick J. Boyle, M.D., an associate professor of medicine at the University of New Mexico who was a fellow in Cryer’s lab from 1986-89. “You can do a lot at ‘the bench’ and even more in animals, but someone still has to figure out how to do research in humans. Phil Cryer is one of the best at that.”

In 1994, Cryer received the American Diabetes Association’s highest honor, the Banting Medal for Scientific Achievement. The award salutes career achievement in the field of diabetes research and usually is given to scientists whose work is conducted at a much more basic level. It is rare for a clinical researcher to receive the Banting Medal, and Cryer calls his selection a highlight of his scientific career.

For more than 25 years, Cryer has focused his attention on diabetes. This year, he is serving as president of the American Diabetes Association. In the past, he’s held similar posts with the association at the state and local levels.

“The experience with the American Diabetes Association locally, in the state and nationally has been educational and often inspiring,” Cryer said. “There are scores of volunteers across this country working hard to improve the lives of people with diabetes, and I’m honored to be part of that.”

Helping improve the lives of people with diabetes is the main focus of Cryer’s research, but it was not always that way.

“It was much more accidental than that,” Cryer said. “My initial interest was in the physiology of the autonomic nervous system.”

While he was an undergraduate at Northwestern University in the early 1960s, Cryer learned about the autonomic nervous system, which innervates the heart as well as smooth muscle and glandular tissues. It controls the secretion of hormones that govern involuntary actions in the body — from constriction of blood vessels to digestion of food to the control of blood sugar levels.

“I became interested in the autonomic nervous system during a behavioral psychology course in college,” Cryer said. His goal was to study the chemical products that make the autonomic nervous system work.

“In order to study the system in people, I needed to measure the chemical products that it released, so my research career really began with attempts to measure those products in blood,” Cryer explained. “We measured insulin and glucagon and later epinephrine under a number of physiological conditions, including low blood sugar, or hypoglycemia.”

Hypoglycemia: ‘the major limiting factor’

Cryer was fascinated by the workings of glucagon and epinephrine, especially as they relate to hypoglycemia, which he considers an important clinical problem for people with diabetes. As a researcher, he is concerned with hypoglycemia’s causes and progression in patients with diabetes. As a clinician, he attempts to treat those patients in ways that both manages their diabetes and prevents hypoglycemia.

“Hypoglycemia is the major limiting factor in the management of diabetes, both conceptually and in practice,” Cryer explained. “In the absence of hypoglycemia,

diabetes would be easy to treat. We would just give patients enough insulin to get blood sugars into or below the normal range.”

After earning a medical degree in 1965 from Northwestern, Cryer came to Washington University. At that time, William H. Daughaday, M.D., now professor emeritus of medicine, was director of the Division of Endocrinology, Diabetes and Metabolism. Cryer now heads that division.

After an internship, residency and a stint in the U.S. Navy, Cryer joined the medical school faculty as an instructor in 1971. He told Daughaday he wanted to make the study of catecholamines — particularly epinephrine and norepinephrine — his main research focus.

others. With their help — and with collaborators from other universities — Cryer’s lab by the mid-1970s had become one of two in the world capable of precisely measuring epinephrine levels in plasma. Soon, he had learned ways to cause or block the secretion of the hormones involved in glucose-counterregulation — including glucagon, epinephrine, growth hormone and somatostatin.

“Once we had a handle on the physiology, the next step was to apply what we had learned to people with diabetes. We knew how the hormones were supposed to control blood sugar. Our next step was to figure out what goes wrong when they don’t,” Cryer said.

Cryer assesses these matters using glucose clamping

techniques. “We can clamp glucose at a given level in the blood and hold it there for many, many hours because we repeatedly measure blood sugar concentrations and vary the glucose infusion rate,” Cryer explained. “We hold insulin constant, measure the sugars, and infuse more or less glucose depending on whether we are studying the effects of low blood sugar, high blood sugar or something in between.”

Clamping is a very precise way to show how normal and diabetic patients differ in their responses to changes in blood sugar levels. For example, it was known that people with insulin-dependent diabetes had an insufficient or non-existent glucagon response. Normally, when glucose levels fall, glucagon is secreted and insulin secretion slows until glucose levels rise again. Clamping helped Cryer better explain the broken glucagon response.

When the glucagon response fails, epinephrine is the next line of defense, but the clamp studies show that repeated episodes of hypoglycemia result in decreased epinephrine responses, too.

Low blood sugar levels deprive the brain of fuel and impair its function. Bouts of hypoglycemia beget more bouts of hypoglycemia and, ultimately, the patient with hypoglycemia is unable even to recognize that blood sugar levels are too low. Cryer recently has shown that the condition, called hypoglycemia unawareness, is reversible, but the problem remains.

In addition, as new studies recommend tighter management of blood glucose to prevent long-term eye, kidney and nerve complications, hypoglycemia becomes an even bigger factor. Though tight control helps prevent long-term problems, it also can lead to bouts of hypoglycemia if patients get their blood sugars too low. Those patients are at an increased risk for blackouts, seizures and other problems related to hypoglycemia.

‘Baritone’ research

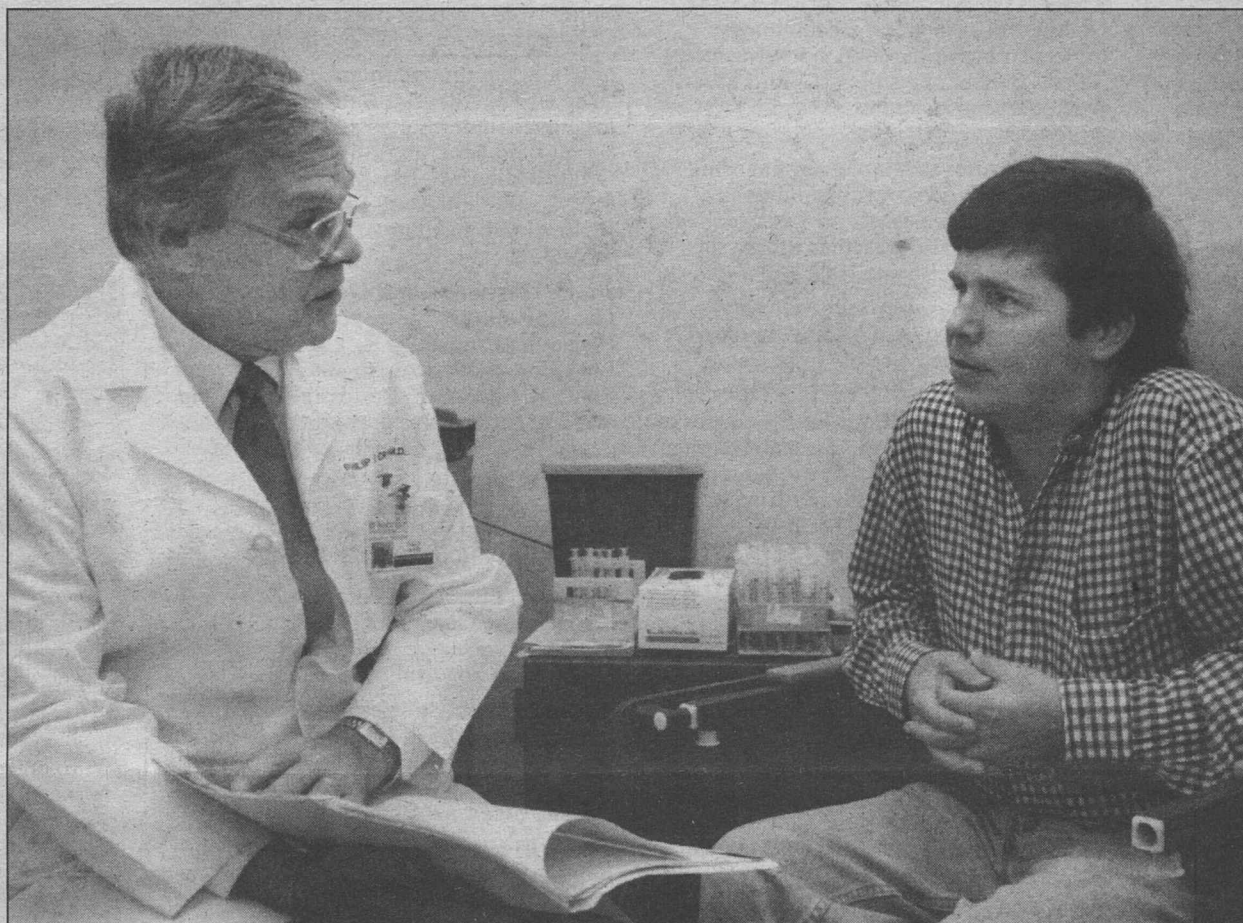
When he was in his teens, Cryer sang in a barbershop quartet. The group toured and performed in and around his hometown. He was the baritone — the crucial voice in most barbershop pieces. Because of its often strange harmonies, the baritone line is usually the hardest part to sing and the hardest part for a listener to hear and distinguish. But without that baritone line, the quartet would not produce the musical overtones that give barbershop music its effect.

Some might wonder whether “ripping the guts” out of barbershop music is really such a bad thing. “Barbershop music is a good way to drive people from the room,” Cryer said with a laugh. “I used to, sometimes at parties, put on a barbershop tape. Everyone would leave.”

But the former baritone singer now conducts that same kind of crucial but often overlooked research. His work with the hormones that control glucose-counterregulation is not as well-publicized as research regarding insulin pumps, artificial pancreases and islet cell transplants in these times in which the search for a cure takes center stage. But Cryer continues to study the mechanisms of the disease, focusing his attention on the current facts and the best available treatment options.

“I would like to see research related to hypoglycemia become irrelevant,” Cryer said. “That will be the case even before we find a cure for diabetes if we can learn how to provide perfect insulin replacement. But my guess is that such a therapy is a ways off.”

— Jim Dryden



Philip Cryer, M.D., left, discusses diabetes and insulin therapy with patient Randall Pate.

“Phil is a man of few words, but when he talks, you’d better listen.”

— Patrick J. Boyle

“He became interested in how these various hormones were secreted and how they affected glucose levels,” Daughaday recalled. “I remember challenging him to explain why some diabetic patients lose their ability to recognize and respond to hypoglycemia, and I have taken great satisfaction as that question has become a major focus of his research.”

Cryer recalled: “That was really very important in my development. Bill let me follow my own interests, and I will always be grateful.”

Daughaday remembers Cryer as a young man who was sure of himself and clear about his goals. “As his division chief, I advised him, but he always had a very clear idea of what he wanted to do,” Daughaday said. “Even as a resident, he was always so well-organized. I was impressed by his ability to make plans and carry them out.”

Cryer’s former fellow Boyle also cites organizational skills as a particular strength of his former boss. “He could look at an experiment that I designed and immediately find its fatal flaw,” Boyle said. “Phil is a man of few words, but when he talks, you’d better listen. He’s very tough, but he was always absolutely fair.”

Cryer — the man of few words — usually deflects credit for his research successes. While obviously proud of the accomplishments, he often credits his collaborators. “I am particularly grateful to the large group of postdoctoral fellows who did the bulk of the work in many of my experiments,” he said. “Good research is a team effort, and I’ve been blessed with a very talented team.”

He also talks about the importance of mentors and colleagues, including Daughaday; David Kipnis, M.D., former head of the Department of Medicine and now Distinguished University Professor of medicine and of molecular biology and pharmacology; Julio Santiago, M.D., a professor of medicine and of pediatrics who succeeded Cryer as editor of the journal *Diabetes*, and

Calendar

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

Nov. 7-16



Exhibitions

"Joint Faculty Exhibition." Features works by 49 faculty members from the schools of Art and Architecture. Opening reception: 5-7 p.m. Nov. 15. Exhibition runs through Dec. 19. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-4:30 p.m. weekdays; 1-5 p.m. weekends. 935-4523.

"type/script: notebooks: an examination." An examination of the writer's notebook as function and as form. Through Jan. 15. Special Collections, Olin Library, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5495.



Films

All Filmboard movies cost \$3 and are shown in Room 100 Brown Hall. For the 24-hour Filmboard hotline, call 935-5983.

Friday, Nov. 8

7 and 9:30 p.m. Filmboard Feature Series. "Heavenly Creatures." (Also Nov. 9, same times, and Nov. 10 at 7 p.m.)

Midnight. Filmboard Midnight Series. "Revenge of the Creature," in 3-D. (Also Nov. 9, same time, and Nov. 10 at 9:30 p.m.)

Monday, Nov. 11

3:30 p.m. Russian film. "Burnt by the Sun." Room 219 South Ridgley Hall. 935-5177.

7 and 9 p.m. Filmboard Classic Series. "A Man Escaped." (Also Nov. 12, same times.)

Tuesday, Nov. 12

6 p.m. Japanese Film Series. "A Taxing Woman Returns" (1989), with English subtitles. Room 219 South Ridgley Hall. 935-5156.

Friday, Nov. 15

7 and 9:30 p.m. Filmboard Feature Series. "Crumb." (Also Nov. 16, same times.)

Midnight. Filmboard Midnight Series. "Real Genius." (Also Nov. 16, same time.)



Lectures

Thursday, Nov. 7

7:30 a.m. Dept. of Medicine Grand Rounds. "How to Prevent Cytokine Storm in Sepsis." Anthony Cerami, president, The Picower Graduate School of Molecular Medicine and The Picower Institute for Medical Research. Clopton Amphitheater, Wohl Clinic.

Noon. Genetics seminar. "Germ Cell and Establishment in Drosophila," Paul Lasko, prof. of biology, McGill U., Montreal. Room 823 McDonnell Medical Sciences Bldg. 362-7072.

1:10 p.m. Social work discussion. "Election 1996: Impact on Social Issues and Programs." Speakers: Repps Hudson, coordinator of political coverage, St. Louis Post-Dispatch; Peter DeSimone, executive director, Missouri Association for Social

Welfare; and Pam Lokken, director, governmental and community relations for WU. Brown Hall Lounge. 935-4909.

3 p.m. Chemistry/physics seminar. "The Disoriented Chiral Condensate," Jorgen Randrup, senior scientist, Lawrence Berkeley National Laboratory. Room 241 Compton Hall. 935-6530.

4 p.m. Anthropology seminar. 20th annual Mildred Trotter Lecture. Speaker is Jane Buikstra, Dept. of Anthropology, U. of New Mexico. Moore Aud., 660 S. Euclid Ave. 362-3365.

4 p.m. Cancer Center seminar. "Switch Between Latency in Lytic Cycle in Kaposi's Sarcoma Herpesvirus (HHV8)," George Miller, prof. of epidemiology, molecular biophysics and biochemistry, Yale U. School of Medicine. Third Floor Aud., St. Louis Children's Hospital. 362-9035.

4 p.m. Cardiovascular bioengineering seminar. "Cardiac Diastolic Function," Sandor J. Kovacs, assoc. prof. of medicine and director, Cardiovascular Biophysics Lab. Room 507 Lopata Hall. 454-7459.

4:15 p.m. Philosophy lecture. "Kant's Paralogisms Revisited," Karl Ameriks, prof. of philosophy, U. of Notre Dame. Stix International House. 935-6614.

4:30 p.m. Math colloquium. "Syzygies of Projective Varieties: An Interplay Between Algebra and Geometry," B. Purnaprajna, Oklahoma State U. Room 199 Cupples I Hall. 935-6726.

Friday, Nov. 8

9:15 a.m. Pediatric Grand Rounds. "Developmental Aspects of Newborn Lung Disease," Brian P. Hackett, asst. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "Upstream and Downstream in Death Agonists," Stanley J. Korsmeyer, prof. of medicine and of pathology. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6950.

1-5 p.m. Architecture symposium. "On Global Practice." Session I: "Critical Perspectives." Continues Nov. 9 at 9:30 a.m. with Session II: "Corporate Realities." Steinberg Hall Aud. (See story on page 5.) 935-4636.

1:30 p.m. Immunology thesis defense. "Murine Cytomegalovirus Latency," graduate student Jessica Lynn Pollock. Room 7738 Clinical Sciences Research Bldg. 362-3365.

4 p.m. Anatomy and neurobiology seminar. "Synaptic Mechanisms for Modifying the Cortical Representation of Retinal Images," Andreas Burkhalter, assoc. prof. of anatomy and neurobiology and of neurological surgery. Room 928 McDonnell Medical Sciences Bldg. 362-7043.

4:30 p.m. Math colloquium. "A Connection Between Wavelet Theory and Operator Algebras," David Larson, prof. of mathematics, Texas A&M U. Room 199 Cupples I Hall. 935-6726.

5 p.m. Art history lecture. "The Importance of Being Wholesome in the 1890s," Sarah Burns, prof. of American art, Indiana U. Room 116 Givens Hall. 935-5270.

Sunday, Nov. 10

12:30 p.m. Catholic Student Center lecture. "The Faith of a Philosopher," Jeanne Schuler, assoc. prof. of philosophy, Creighton U. Catholic Student Center, 6352 Forsyth Blvd. 725-3358.

Monday, Nov. 11

4 p.m. Biology seminar. "Naked Mole-rats and the Evolution of Eusociality," Stanton H. Braude, postdoctoral fellow in biology. Room 322 Rebstock Hall. 935-6860.

4 p.m. Immunology seminar. "Dissecting the Mechanism of V(D)J Recombination," David Schatz, Dept. of Immunobiology, Yale U. Eric P. Newman Education Center. 362-3365.

8 p.m. Architecture lecture. "Architect as Artisan," Steve Badanes, architect. Steinberg Hall Aud. (See story on page 5.) 935-6200.

Tuesday, Nov. 12

Noon. Molecular microbiology and microbial pathogenesis seminar. "Cytochrome Biogenesis in Plants, Animals and Bacteria," Robert Kranz, assoc. prof. of

biology. Room 775 McDonnell Medical Sciences Bldg. 362-3692.

4 p.m. Diabetes research seminar. "Glucose Toxicity: Paradoxical Effects of Glucose on Insulin Gene Expression," Paul Robertson, director, Division of Endocrinology, Clinical Research Center, and director, Dept. of Internal Medicine, U. of Minnesota. Pathology Library, Room 3723 West Bldg. 362-7435.

Wednesday, Nov. 13

6:30 a.m. Anesthesiology Grand Rounds. "Perioperative Neuropathies: Is There a Culprit?" Mark Warner, asst. prof. of anesthesiology, May Medical School, Rochester, Minn. Wohl Hospital Bldg. Aud., St. Louis Children's Hospital. 362-6978.

6:30 a.m. Orthopaedic surgery lecture. "The Use of Allograft Bone and Musculoskeletal Tumor Surgery," Dempsey Springfield, prof. and chief, Dept. of Orthopaedics, Mt. Sinai Medical Center, N.Y. Scarpellino Aud., first floor, Mallinckrodt Institute of Radiology. 747-2522.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Osteoporosis Update: Managing Patients At Risk for Bone Loss," Louis V. Avioli, the Sydney M. and Stella H. Shoenberg Professor of medicine and prof. of orthopaedic surgery. Clopton Aud., 4950 Children's Place. 454-7886.

1 p.m. Math talk. "Survival Analysis and Martingales," Dorota Jarosz, graduate student in mathematics. Room 199 Cupples I Hall. 935-6726.

3:45 p.m. Physics colloquium. "Finite Temperature Quark Confinement," M.C. Ogilvie, assoc. prof. of physics. Room 204 Crow Hall. 935-6252.

4 p.m. Assembly Series. "A View From Washington," David Gergen, editor-at-large, U.S. News and World Report, and former presidential adviser. Graham Chapel. (See story on page 1.) 935-5285.

4 p.m. Biochemistry and molecular biophysics seminar. "Correlation Between Motion and Binding in SH2 Domain-phosphopeptide Interactions," Julie Forman-Kay, asst. prof., Biochemistry Research Division, Hospital for Sick Children, Toronto. Cori Aud., 4565 McKinley Ave. 362-0261.

7:30 p.m. Art lecture. Richard Martin, curator, The Costume Institute, Metropolitan Museum of Art, N.Y. Steinberg Hall Aud. 935-6500.

Thursday, Nov. 14

1:10 p.m. Social work lecture. "Models of Effective Social Intervention for Victims of Domestic Violence," Sarah Buel, special counsel, Texas District and County Attorneys Association. Brown Hall Lounge. 935-4909.

4 p.m. East Asian studies lecture. "The Waning of the Kuomintang State in Taiwan," Thomas Gold, prof. of sociology, U. of California, Berkeley. Room 162 McDonnell Hall. 935-4448.

4:30 p.m. Math colloquium. Roever Colloquium. "Isospectral Deformation Rigidity for Compact Negatively Curved Manifolds," Christopher Croke, prof. of mathematics, U. of Pennsylvania. Room 199 Cupples I Hall. 935-6726.

5:30 p.m. Art history lecture. "The Tyranny of Woman in Late 19th-century France," Patricia Mathews, prof. of art history, Oberlin College. Room 200 Steinberg Hall. 935-5270.

7 p.m. Art lecture. Speaker is Douglas Fraser, an illustrator from Canada. Steinberg Hall Aud. 935-8402.

Friday, Nov. 15

9:15 a.m. Pediatric Grand Rounds. "Fat," Mark E. Lowe, asst. prof. of pediatrics and of molecular biology and pharmacology. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "A Novel Family of Intracellular Chloride Channel Proteins," John C. Edwards, asst. prof. of cell biology and physiology and of medicine. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6945.

7:30 p.m. Environmental research lecture. "African Elephants: Too Many or Too Few?" Alan R. Templeton, prof. of biology. Room 215 Rebstock Hall. 935-8430.



Music

Thursday, Nov. 7

8 p.m. Student recital. Includes the music of Beethoven, Brahms, Donizetti and Mozart. Graham Chapel. 935-5581.

Friday, Nov. 8

7 p.m. Indian vocal concert. Sponsored by the Dept. of Music, the Gallery of Art and the Sangeetha Society. Cost: \$10 for the general public; \$7 for senior citizens; and free for WU faculty, staff and students. Steinberg Hall Aud. 935-5581.



Performances

Friday, Nov. 15

8 p.m. Performing Arts Dept. presents "The Dybbuk." (Also Nov. 16, same time.) Edison Theatre. Cost: \$8 for the general public; \$6 for senior citizens and WU faculty, staff and students. (See stories on page 6.) 935-6543.



Miscellany

Registration continues for the following Office of Continuing Medical Education events: "Bipolar Mood Disorder in Clinical Practice" (Dec. 7) and "Contemporary Management of Congestive Heart Failure" (Dec. 7). 362-6891.

Thursday, Nov. 7

6 p.m. Hillel Center event. During "Cheap Eats Thursday," join a group discussion with Henry Shvey, prof. of drama and of comparative literature; chair, Performing Arts Dept.; and director of "The Dybbuk." "Cheap Eats" cost: \$3. Hillel Center, 6300 Forsyth Blvd. (See stories on page 6.) 726-6177.

8 p.m. Literary reading. "On the Death of Ken Saro-Wiwa: Readings in Recognition of the Nigerian Writer." Midtown Arts Center, 3207 Washington Ave. Co-sponsored by the International Writers Center. 935-5576.

8 p.m. Hillel Center event. Kristallnacht Theater Program. "Prayer After the Decree," a controversial and intriguing play remembering the Holocaust and "The Night of Broken Glass." Written, directed and performed by students. Room 100 Brown Hall. 726-6177.

Friday, Nov. 8

8:15 p.m. Hillel Center event. "The Mystical Side of Shabbat," Daniel C. Matt, Graduate Theological Union, Berkeley, Calif. Hillel Center, 6300 Forsyth Blvd. 726-6177.

Saturday, Nov. 9

9 a.m.-noon. Book arts workshop. "Carve Your Own Signature Seal." Room 104 Bixby Hall. Cost: \$35. To register, call 935-4643.

Sunday, Nov. 10

9 p.m. Hillel Center event. "The Dybbuk in Me: Singing and Storytelling From the Mystical Side." Rabbi James Goodman's program will feature songs and stories

from the Jewish tradition of "The Dybbuk." Ike's Place, Wohl-Student Center. 726-6177.

Monday, Nov. 11

5:30 p.m. University College brown-bag roundtable. "Think Spring," a preview of the spring semester. For more info. and to register, call 935-6793.

Tuesday, Nov. 12

8 p.m. Hillel Center event. "Sexuality and the Jewish Tradition." Women's Bldg. Lounge. 726-6177.

8 p.m. Fiction reading. Featuring Ursula Hegi, Visiting Hurst Professor in the Dept. of English and author of "The Salt Dancers," "Intrusions," "Stones From the River," "Floating in My Mother's Palm" and "Unearned Pleasures and Other Stories." Hurst Lounge, Room 201 Duncker Hall. 935-5190.

Wednesday, Nov. 13

Midwest AIDS Training and Education Center seminar. "Dimensions of a Disease — A Three-day Seminar on HIV." (Continues through Nov. 15.) Adam's Mark Hotel, Fourth and Chestnut streets, downtown St. Louis. A late registration fee applies after Oct. 15. 362-2418.

Thursday, Nov. 14

7-8:30 p.m. Midwest AIDS Training and Education Center special event. "The Wizard of AIDS," a performance by HealthWorks Theatre of Chicago. Part of the center's seminar Nov. 13-15 at the Adam's Mark Hotel, Fourth and Chestnut

streets, downtown St. Louis. A reception will be held at 6:30 p.m., and a question-and-answer session will follow the performance. 362-2418.

8 p.m. Reading benefit for hunger relief. "The Writers Harvest: The National Reading." West Campus Conference Center. Co-sponsored by the International Writers Center. Cost: \$10 for the general public; \$5 for students. (See story on page 7.) 935-5576.

Friday, Nov. 15

12:30 p.m. Woman's Club event. Special tours and demonstrations will be held at the Central Institute for the Deaf. Luncheon will be held in the institute's cafeteria. Marguerite Grant and Sylvia Sachs will be honored for 50 years of membership. Speaker is Donald Nielsen, director, Central Institute for the Deaf. Open to Woman's Club members and their guests. Cost: \$10. For more info. and to make reservations, call 991-0663.

Saturday, Nov. 16

9 a.m.-noon. Book arts workshop. "Single Sheet Gift Books." Create handmade books formed with a single sheet of paper. Bring a favorite poem, song lyric or short story for the text of your book. Room 104 Bixby Hall. Cost: \$35. 935-4643.

9 a.m.-noon. Book arts workshop. "Make a Family Video Album." Bring your videocamera. Room 104 Bixby Hall. Cost: \$40. 935-4643.

Designer of unique structures to lecture

From a massive concrete sculpture of a troll clutching a Volkswagen under a bridge to a house shaped like a knight's helmet, Washington University guest lecturer Steve Badanes' work imaginatively blends art, architecture and design.

Badanes will share his insights in a lecture titled "Architect as Artisan" at 8 p.m. Monday, Nov. 11, in Steinberg Hall Auditorium. The schools of Architecture and Art are co-sponsoring the lecture, which is free and open to the public.

Badanes' award-winning architecture firm Jersey Devil describes itself as a "traveling band of architects, artists, craftsmen and inventors committed to the interdependence of building and design." The firm is one of only a handful in the United States in which the architects build what they design, bringing personal involvement to the entire project as it evolves into both art and architecture. Jersey Devil architects/builders also often live on-site, enabling them to tackle each project as a true work-in-progress.

"It's energy-efficient architecture that is also artistic and environmentally responsible," said Mark DeKay, an

assistant professor of architecture who, along with master's of fine arts student Mona Shiber DeKay, arranged for Badanes' lecture. "His work is often community-based and uses the art and craft of building to generate design."

The firm's architectural creations include a colorful piece of playground equipment shaped like a dragon, whose curving tongue forms a slide; a seaside pavilion with a wooden design that rises in an undulating pattern mirroring the ocean below; and a house made predominantly of silos and easily obtainable materials from farm structures. Other unusual residential projects include the "Airplane House," "Football House," "Hoagie House," "Snail House" and "Hill House."

The firm's personalized, site-specific creations can be found in a variety of locations along the West Coast, as well as in Florida, New Jersey, New Hampshire, Vermont, Virginia and Colorado and Mexico. The highway troll, located under the Aurora Avenue North Bridge in Seattle, was a winning selection of the Fremont Arts Council.

For more information about the lecture, call (314) 935-6200.

Misshapen heads can be prevented — from page 1

too soon. These misdiagnosed children often undergo unnecessary surgeries to remold the skull.

An increase in PWS cases

Beginning in 1992, Marsh and his colleagues began noticing an increase in the number of babies referred for PWS to the Cleft Palate and Craniofacial Deformities Institute at St. Louis Children's Hospital. They reviewed the charts of 269 infants who had been referred to the institute between 1979 and 1994. They used both simple linear regression and time series regression analyses to evaluate the pattern of referral.

The epidemiologic study found that the average annual number of referrals to the institute for PWS from 1992-94 was 52.3 — six times the average annual rate of the preceding 13 years. There also was a statistically significant increase in the annual number of referrals during the 16-year study period. This increase has continued through this year.

'Simple solution'

After publishing Marsh's paper in Pediatrics, the American Academy of Pediatrics printed a front-page article in its newsletter recommending that physicians tell parents to switch head position when putting babies to sleep on their backs.

Marsh stressed that he is not recommending that parents return to putting

babies to sleep on their stomachs. "Now that we've recognized some unexpected consequences of changing sleep position, the next step is education about varying head position. It's a pretty simple solution to the problem," he said.

Parents have told Marsh a number of reasons why they put their infants to sleep in the same position: the crib is against the wall, all the mobiles are on one side, or the baby falls asleep the same way each time while taking a bottle or breast-feeding.

Another important point of the study, Marsh said, is that pediatricians formerly thought children gradually would outgrow a misshapen head. "We now know they don't. What happens is that kids grow hair, and the problems become less obvious. But if they get a short haircut or go swimming, then you see the deformity," he said.

Changing head position during sleep until a child reaches the age of 6 months usually corrects a mild deformity. But if a child is older than 6 months or has a severe deformity, a molding helmet or headband may be needed for a number of months.

Marsh and his colleagues hope the number of infants with PWS will plummet if pediatricians and parents become aware of his findings. "We'd like to see the problem evaporate," he said.

— Diane Duke

Architecture symposium focuses on increasing internationalization

A School of Architecture symposium titled "On Global Practice" will address the challenges presented by the increasing internationalization of architectural work.

The conference will be held Friday, Nov. 8, and Saturday, Nov. 9. Guest speakers include the architecture critic for The Boston Globe; architects from St. Louis, Chicago, Italy and South Africa; and Washington University faculty. These speakers will share insights on practicing architecture in such locations as Europe, the Middle East, South Africa, Argentina and Asia.

"The themes will include the nature of the practice of architecture in the U.S. vs. other places; the ethical dimensions of global practice: what architects feel they ought to do vs. what they have been hired to do; the issue of responding to local tradition vs. modernity; and the relative importance of design in large corporate practices," said Eric Mumford, Ph.D., an assistant professor of architecture at the University and a licensed architect who is organizing the symposium.

The two-day symposium, which is open to the public, runs from 1 to 5 p.m. Friday, Nov. 8, and from 9:30 a.m. to 12:30 p.m. Saturday, Nov. 9, in Steinberg Hall Auditorium. A reception will be held at 5 p.m. Friday in Room 120 Givens Hall.

Friday's session will include presentations by:

- Robert Campbell, FAIA, the architecture critic for The Boston Globe who has written extensively about architecture internationally and also has taught in Hong Kong.

- Marco Albini, an architect from Milan, Italy, who has practiced in the

Middle East and dealt first-hand with the issue of tradition vs. modern influences.

- Adam Glaser, a visiting professor of architecture at the University, a graduate of Harvard University's Graduate School of Design, and an architect who has worked in Japan. Glaser will discuss some of the ethical issues surrounding globalism facing architects.

- Jo Noero of South Africa is the University's Ruth and Norman Moore Chair and associate professor of architecture. He worked closely with the resistance movement during the apartheid era in South Africa and continues his practice of community-based architecture there with the backing of the Nelson Mandela-led government.

Saturday's session will include talks by:

- Ralph Johnson, FAIA, a practicing architect with Perkins & Will of Chicago who has designed schools in Singapore and the United States.

- Adrian Luchini, associate professor of architecture at the University and director of architectural design for Sverdrup Facilities Corp. in St. Louis. Luchini will discuss his designs for a federal reserve bank in Argentina and an urban design project in Pusan, South Korea.

The two days of sessions also will feature remarks by Cynthia Weese, FAIA, dean of the architecture school and a practicing architect in Chicago, and presentations by representatives of HOK of St. Louis, the largest U.S. firm involved in the international practice of architecture.

For more information, call (314) 935-4636.

Sports

Compiled by Mike Wolf, director, and Kevin Bergquist, asst. director, sports information.

Football Bears snare share of UAA title

The Washington University football team continued its road dominance this season by posting its fourth-consecutive shutout away from home with a 41-0 victory at the University of Chicago on Saturday, Nov. 2. The win gave the Bears a share of their third-consecutive University Athletic Association (UAA) crown. The WU defense held Chicago to a school-record 69 yards of total offense.

Current record: 5-3 (3-1 UAA)

This week: 1:30 p.m. Saturday, Nov. 9, vs. Central College (Pella, Iowa), Francis Field

Men's soccer team falls to Carnegie Mellon

After losing 2-1 to UAA rival Carnegie Mellon University (Pittsburgh) on Sunday, Nov. 3, the men's soccer team needs two victories against region rivals Centre College (Danville, Ky.) and the University of the South (Sewanee, Tenn.) to keep its NCAA tournament hopes alive. Prior to the Carnegie Mellon loss, the Bears notched a 3-0 win over Principia College (Elsah, Ill.).

Current record: 11-5-1 (4-2-1 UAA)

This week: 5:30 p.m. Saturday, Nov. 9, vs. Centre College, Francis Field; 2 p.m. Sunday, Nov. 10, vs. the University of the South, Francis Field

Women's soccer denied trip to NCAA tourney

The women's soccer team set school records for wins (14) and goals (63) in a season but did not receive a bid to play in a second-consecutive NCAA Division III Championship. The Bears won 1-0 on Sunday, Nov. 3, at Carnegie Mellon in their season finale. Sophomore midfielder Cindy Palmer scored the lone goal, and sophomore goalkeeper Julie Kanter recorded her school-record 10th

shutout of the season, setting a new standard for season victories by a WU goalkeeper (14).

Final record: 14-4-0 (5-2-0 UAA)

Volleyball team earns eighth-straight title

Spurred by the play of UAA Player of the Year Jennifer Martz, the top-ranked volleyball team won its eighth-consecutive league title and ninth in 10 years last weekend. Sophomore middle blocker Martz hit .514 for the weekend. The Bears won the title by topping 10th-ranked Emory University (Atlanta) 15-8, 15-1, 15-10 on the Eagles' home floor. Seniors Stephanie Habif and Emmy Sjogren and sophomore Jennifer Cafazza were named first-team All-UAA, while senior Nikki Holton was a second-team honoree. Junior Lovey Grider was an honorable mention selection for the Bears.

Current record: 31-5 (12-0 UAA)

This week: 7 p.m. Tuesday, Nov. 5, at Southern Illinois University-Edwardsville; 7 p.m. Thursday, Nov. 7, at Columbia (Mo.) College; 1 p.m. Saturday, Nov. 9, vs. College of St. Francis (Joliet, Ill.), WU Field House

Swimming, diving teams split home dual meets

The men and women's swimming and diving teams opened their seasons by winning a home dual meet against Millikin University before falling the next day to Division II Truman State University. The women's squad won eight of 11 events against Millikin in a 125-74 victory. Senior Christine O'Brien topped the 200 and 500 freestyle and was a member of the victorious 400 freestyle relay team. The men defeated Millikin 111-75 behind a pair of first-place showings from junior John Durbin (200 individual medley and 200 breaststroke) and freshman Chris Thelen (500 and 1,000 freestyle).

Current records: women 1-1, men 1-1

'The Dybbuk' tells tale of love trapped between two worlds

A haunting tale of Jewish mysticism and transcendental love will possess audiences of all beliefs when the Performing Arts Department in Arts and Sciences presents "The Dybbuk."

Playwright S. Ansky's classic Yiddish drama about life, death, faith and the spiritual bond between two lovers will come to life at 8 p.m. Nov. 15, 16, 22 and 23 and at 2 p.m. Nov. 17 and 24 in Edison Theatre.

Set in Poland at the end of the 19th century, "The Dybbuk" tells the story of two ill-fated lovers — Chanon, a penniless but devout student of Jewish mysticism, and Leah, the young woman he adores. Betrothed unknowingly to each other since birth, the two are denied their fate when Leah's father breaks the marriage contract and offers his daughter to a richer man.

Upon hearing the news, the heartbroken Chanon, who is weak from prolonged prayer and fasting, dies instantly. His life cut short, Chanon's soul becomes a demon, or dybbuk, which enters Leah's body in an attempt to gain possession of her love for eternity.

What follows is an attempt by the deeply pious Hasidic rabbis to exorcise the dybbuk from Leah so she and her new wealthy fiance can proceed with their marriage. Leah must confront the choice between marriage to a man for whom she feels nothing or an unworshipful union with her dead lover's spirit.

"It has been described as 'Romeo and Juliet meet the Exorcist,'" said director Henry I. Schvey, Ph.D., professor of drama and of comparative literature in Arts and Sciences and chair of the Performing Arts Department. "It's a love story that is beautiful and terrifying in equal measure. Ansky's play celebrates the division between earthly existence and the supernatural, between fleshly desire and the cravings of the spirit, and between the material reality in which we live and the transcendent longings of two lovers."

Ansky's original title of the work, "Between Two Worlds," describes well the dichotomies found within the play, Schvey said. "It indicates how we in life are suspended between this Earth and the other world ... between a sense of the demonic and the angelic."

The Performing Arts Department will stage the late John Hirsch's adapta-

tion of the Yiddish text that he wrote for a 1974 Manitoba Theatre Center production. The adaptation made its U.S. premiere in 1975 at the Mark Taper Forum in Los Angeles. Schvey believes this version — selected from more than 20 known adaptations of the play — comes closest to the spirit of Ansky's original work. Hirsch's adaptation captures Ansky's sense of Hasidic culture, which is filled with earthy humor and joy as well as sorrow, Schvey said.

Ansky, born in 1863 in Lithuania, created the play from a number of Jewish myths, folk tales, songs and legends he gathered during his career as a scholar of Hasidic culture. Ansky never had the chance to see a performance of the play, however, because he died shortly before its 1920 premiere in Vilna, Lithuania. The play has been a staple of the Yiddish theater since its first staging and has been performed worldwide.

Written about a time and culture in history when people believed good and bad spirits infiltrated their everyday lives, "The Dybbuk" contains images of magic and mysticism as ancient as the sacred Kabbalah itself, Schvey noted. But as remote as this culture may seem to most people today, the play is remarkably alive and accessible, filled with timeless themes of undying love, desire and the supernatural, Schvey said.

"After 75 years, Ansky's 'The Dybbuk' still provides us with unforgettable haunting images of a deathless love trapped between two worlds," Schvey added. "It's an astonishing work."

The set design by Bruce Bergner, artist-in-residence, creates the feeling of 19th-century Poland by evoking symbols and elements of Marc Chagall's paintings of Jewish life. The costumes designed by Bonnie Kruger, artist-in-residence, essentially are done in black and white, reflecting the traditional garb of 1880s peasant Jews living in Poland.

"The Dybbuk" is co-sponsored by the St. Louis Hillel Center in honor of its 50th anniversary. Tickets are \$8 for the general public and \$6 for University students, faculty and staff and senior citizens.

For tickets, call (314) 935-6543.

— Neal Learner



Senior Aimee Lagos portrays Leah, and senior Zachary Smilack portrays Chanon in the upcoming performances of "The Dybbuk."

Lectures scheduled before each performance

The public is invited to learn more about the Jewish mysticism surrounding "The Dybbuk" during a series of free pre-performance lectures by experts on Jewish culture. Each lecture begins 45 minutes before the performance and will be held in the Drama Studio, Room 208 Mallinckrodt Center.

The following individuals will lecture:

- **Nov. 15:** Howard Schwartz, author of "Lilith's Cave: Jewish Tales of the Supernatural" and professor of English at the University of Missouri-St. Louis. Performance begins at 8 p.m.

- **Nov. 16:** Rabbi Pinchas Giller, Ph.D., assistant professor of classics in the Department of Jewish and Near Eastern Studies in Arts and Sciences. Performance begins at 8 p.m.

- **Nov. 17:** Rabbi Jeffrey Stiffman, Temple Shaare Emeth. The performance on this date begins at 2 p.m. and will be followed by an open discussion with the cast and production team.

- **Nov. 22:** Harry James Cargas, author

of 31 books, including "Conversations With Elie Wiesel," and professor emeritus of literature and languages at Webster University. Performance begins at 8 p.m.

- **Nov. 23:** Rabbi Susan Talve, Central Reform Congregation, and Rabbi James Goodman, Congregation Neve Shalom. Performance begins at 8 p.m.

- **Nov. 24:** Bob Cohn, editor in chief of St. Louis Jewish Light. Performance begins at 2 p.m.

In addition, there will be a "Table Talk With Henry Schvey" beginning at 6 p.m. Thursday, Nov. 7, at the St. Louis Hillel Center, 6300 Forsyth Blvd. Schvey, Ph.D., professor of drama and of comparative literature and chair of the Performing Arts Department in Arts and Sciences, is the director of "The Dybbuk." Senior Jodi Seewald, the production's literary consultant, also will discuss the play.

(See the Calendar on pages 4 and 5 for other Hillel Center activities related to the play.)

Campus Watch

The following incidents were reported to the University Police Department from Oct. 28–Nov. 3. Readers with information that could assist the investigation of these incidents are urged to call (314) 935-5555. This release is provided as a public service to promote safety-awareness on campus.

Oct. 29

8:16 a.m. — A student attempting to maneuver a vehicle out of a parking space struck an adjacent vehicle in a parking lot near Shepley Residence Hall. Both vehicles suffered minor damage.

5:01 p.m. — A student reported receiving two telephone calls from a male who claimed to be looking for a family member. The student received similar calls during the previous week.

Oct. 31

9:18 a.m. — A Marriott Management Services Corp. manager reported that between the evening of Oct. 30 and the morning of Oct. 31, someone damaged a beer cooler and stole two tap handles from the Umrathskeller. The total value is estimated at \$80.

Nov. 1

8:32 a.m. — A staff member reported that between the evening of Oct. 31 and the morning of Nov. 1, someone broke into a display case in Simon Hall and stole a briefcase,

a sweatshirt, a T-shirt and a pen. The total value is estimated at \$71.

Nov. 2

2:49 a.m. — A University Police officer on patrol witnessed a traffic accident at Olympian Way and Forsyth Boulevard. A vehicle that was stopped on Olympian was struck from behind by another vehicle. Both vehicles suffered minor damage. The two occupants of the vehicle that was struck were taken to Barnes-Jewish Hospital with complaints of neck and back pain.

6:21 p.m. — A University shuttle bus struck another vehicle while attempting to enter Shepley Drive from Wydown Boulevard. Both vehicles suffered minor damage. There were no injuries reported.

Nov. 3

12:44 p.m. — A student reported that between the evening of Nov. 2 and the early morning of Nov. 3, someone scratched the right side of a vehicle parked near Givens Hall.

Four taken into custody in connection with armed robbery of University student

Four individuals were taken into custody by St. Louis County Police last week in connection with an armed robbery of a Washington University undergraduate on the Hilltop Campus.

The four suspects are three males and one female. Two of the four are 18 years old; the other two are 16.

According to University and local police, a female University student was walking to a vehicle in a parking lot near North Brookings Hall at about 1:15 p.m. Oct. 30 when she observed what appeared to be three or more individuals in a car driving through the parking lot. As the student was entering her vehicle, the other vehicle stopped behind hers, blocking her exit.

A male approached the driver's side window of the student's vehicle, displayed a pistol and ordered the student out of the vehicle and onto the ground, according to police. The student complied and was not injured.

The male with the pistol then took the victim's vehicle and left the area. The student promptly notified University Police, which in turn notified nearby police departments.

Two of the suspects — one female and one male — were taken into custody a short time later after the stolen vehicle was involved in an accident in Clayton. The remaining two suspects were taken into custody after local police conducted interviews with the first two suspects.

All four suspects have been charged

with tampering, the Missouri charge for auto theft. The suspect believed to be the one with the pistol is 16 years old and has been charged with first-degree robbery and armed criminal action, in addition to the tampering charge. Although his case has been referred to family court, St. Louis County Police are petitioning the court to have him certified as an adult. The weapon has not been recovered.

All four suspects are residents of the city of St. Louis. According to police, the suspects allegedly tried to steal a vehicle earlier in the day elsewhere in St. Louis and then went to the Hilltop Campus.

The stolen vehicle was a 1996 Chevrolet Blazer. The vehicle suffered some damage in the accident in Clayton. None of the student's belongings in the vehicle is reported missing.

University Police urges members of the University community to always remain alert and aware of their environment in order to avoid becoming crime victims. In this case, the University student behaved correctly, and her prompt report of the crime helped result in the quick arrests.

University Police urges people to report any suspicious activities or persons to University Police at (314) 935-5555. University Police also may be called through blue-light telephones, which are available at 70 campus locations.

Members of the University community adversely affected by this incident should call Counseling Services at (314) 935-5980.

For The Record

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

Of note

Charles H. Anderson, Ph.D., research professor of anatomy and neurobiology, and **John W. Clark**, Ph.D., professor of physics in Arts and Sciences, are co-principal investigators of a project titled "Neuronal Ensembles as Encoding and Processing Probability Density Functions." The project recently was funded by the National Science Foundation at a level of \$100,000 over two years. ...

Ari Berkowitz, Ph.D., who received a doctorate in neurosciences from Washington University in 1993 under the supervision of **Paul Stein**, M.D., assistant professor of clinical medicine, received the 1995 Capranica Foundation Prize for outstanding achievement in the field of neuroethology by a young scientist. Neuroethology, an emerging field combining neurobiology and psychology, examines the neuronal basis of natural animal behavior. The prize was awarded for two publications in the *Journal of Neuroscience* from Berkowitz's doctoral thesis on the

physiology of spinal cord neurons. These papers challenge the traditional view of specialized neurons driven by a central oscillator as the neuronal basis for rhythmic motor patterns. ...

Brian K. Dieckgraefe, M.D., Ph.D., instructor in medicine, received a \$421,220 five-year grant from the National Institute of Diabetes and Digestive and Kidney Diseases for a project titled "Study of Early Events in Colonic/Epithelial Restitution." ...

Carl J. Fichtenbaum, M.D., instructor in medicine, received a \$357,184 four-year grant from the National Institute of Mental Health for a project titled "CSF 5-HIAA, Family History and Temperament in Infants." ...

Prabhat C. Goswami, Ph.D., assistant professor of radiology, received a \$546,000 five-year grant from the National Cancer Institute for a research project titled "X-ray, Heat Shock and Cell-cycle-coupled Gene Expression." ...

David R. Piwnica-Worms, M.D., Ph.D., associate professor of radiology and of molecular biology and pharmacology, received a \$634,997 three-year grant from the National Cancer Institute for a

project titled "Modulation of P-Glycoprotein With Metallopharmaceuticals."

Speaking of

Darrell M. Berg, Ph.D., visiting associate professor of music in Arts and Sciences, presented a paper titled "The Letters of Christian Gottfried Krause: Correspondence of an 18th-century Music Lover" at Manuscripta, Saint Louis University's annual conference on manuscript studies. In addition, two doctoral candidates from the Department of Music also presented papers. **Sarah Stoycos** delivered "The Adagio From C.P.E. Bach's Concerto in C minor and 18th-century Performance Practices," and **Karen Trinkle** presented "Baroque Orchestral Practices Revealed in German Manuscripts of Telemann's 'Concertouvertueren.'" ...

Thomas A. Browdy, Ph.D., affiliate professor of information management in engineering and policy, presented a paper titled "The Role of Technology Intentions in Organization Change: A Significant Action Description" at the annual meeting of the Society for Descriptive Psychology held in late September in Colorado Springs, Colo. Browdy also served on a panel for social and organizational applications of descriptive psychology. ...

Michel Rybalka, Ph.D., professor of French in Arts and Sciences, gave two lectures in mid-October in St. Petersburg, Russia. The first was on "Literature and Postmodernism" at the French Institute, and the second was on "French As It Is Spoken Today" at the University of St. Petersburg.

On assignment

M. Bruce Fegley, Ph.D., professor of earth and planetary sciences, is involved in several international collaborations. He is the principal investigator on a NATO Collaborative Research Grant along with Goestar Klingelhöfer of the Technische Hochschule (Technical University) in Darmstadt, Germany. Fegley also is a member of the science team for the MIMOS Miniature Mössbauer Spectrometer, which Klingelhöfer will be flying on the Russian Mars 98 Rover Mission. They are using Mössbauer spectroscopy to study the iron mineralogy of synthetic samples in the laboratory that are simulating chemical weathering on Venus and Mars. ...

Robert F. Nease Jr., Ph.D., assistant professor of medicine, was selected as

president of the Society for Medical Decision Making during the group's annual meeting Oct. 15 in Toronto. Nease's term starts in October 1997, and he is currently fulfilling duties as president-elect. ...

Kristin E.S. Zapalac, Ph.D., assistant professor of history in Arts and Sciences, was an invited participant in a roundtable on "Gendering Germany" at the Sixteenth Century Studies Conference held Oct. 23-27. One of the outcomes of the roundtable is the electronic list Frauen-L that Zapalac now runs from Arts and Sciences computers. On the day the list was established, it included faculty from 20 universities in the United States and Canada. Additional names were added the same day as a result of the Early Modern Women World Wide Web page established on the same computer.

To press

An article by **Sol L. Garfield**, Ph.D., professor emeritus of psychology in Arts and Sciences, titled "Some Problems Associated With 'Validated' Forms of Psychotherapy," was published in the fall 1996 issue of *Clinical Psychology: Science and Practice*. The issue also includes an invited special review by Garfield of "House of Cards: Psychology and Psychotherapy Built On Myth," by Robert M. Dawes. ...

Linda L. Lindsey, Ph.D., adjunct associate professor of social thought and analysis in Arts and Sciences, had two articles selected for inclusion in the recently published "Women and Work: A Handbook." The book, published by Garland Publishing Inc., includes Lindsey's "Full-time Homemaker as Unpaid Laborer" and "Women and Agriculture in the Developing World." ...

Jeremy Manier, a second-year graduate student of psychology in Arts and Sciences, had an article titled "Recesses of the Mind" published under the "Perspective" column in the Oct. 13 issue of the *Chicago Tribune*.

Guidelines for submitting copy:

Send your full name, complete title, department, phone number, and highest-earned degree, along with a typed description of your noteworthy activity, to *For The Record*, c/o David Moessner, Campus Box 1070, or p72245md@wuvmd.wustl.edu. Items must not exceed 75 words. For more information, call Moessner at (314) 935-5293.

Writers to read from works for hunger relief

The Writers Harvest: The National Reading, a literary benefit for hunger relief, will take place at 8 p.m. Thursday, Nov. 14, in the West Campus Conference Center. The program is presented by the International Writers Center in Arts and Sciences and Share Our Strength (SOS), a national hunger-relief organization based in Washington, D.C.

The featured writers who will read from their works are Allison Funk, Eddy Harris, Ursula Hegi, T.M. McNally and Antonio Skármeta.

Funk is the author of "Living at the Epicenter," which won the Morse Poetry Prize from Northeastern University Press in 1995. She is an associate professor of English at Southern Illinois University at Edwardsville.

Harris is the author of four works of travel writing, the latest of which is "Still Life in Harlem." Harris teaches in the African and Afro-American Studies Program in Arts and Sciences at the University.

Hegi is the author of "Stones From the River," which was nominated for the 1994 PEN/Faulkner Award. She is a Visiting Hurst Professor in the Department of English in Arts and Sciences at the University.

McNally is the author of "Until Your Heart Stops" and "Low Flying Aircraft," the latter of which won the Flannery O'Connor Award for Short Fiction. McNally is an assistant professor of literature and language at Webster University.

Skármeta, a Chilean novelist and filmmaker, is the author of "Burning Patience," on which the film "Il Postino" (The Postman) was based. The film was nominated last year for five Academy

Awards. He is a Distinguished Professor of Romance Languages and Literatures in Arts and Sciences at the University.

Admission is \$10 for the general public and \$5 for students. National sponsorship by American Express enables SOS to distribute 100 percent of all donations. All ticket proceeds will be donated to Operation Food Search, a St. Louis hunger-relief organization.

Last year was the first time the St. Louis community participated in this national event, which features more than 1,000 writers reading in more than 500 locations nationwide. Since the launch of "The Writers Harvest" in 1992, many prominent American writers have participated, including Maya Angelou, Russell Banks, Gwendolyn Brooks, Rita Dove, Grace Paley, Anna Quindlen, William Styron and Scott Turow.

SOS, founded in 1984, works to alleviate and prevent hunger by distributing grants, educating the public, and creating community-outreach programs in the United States and throughout the world. SOS is one of the largest private, nonprofit funding sources for hunger relief and mobilizes thousands of volunteers to contribute skills and resources to its programs.

The Washington University program will be followed by a reception. Other sponsors of the program are the California Pizza Kitchen, Duff's Restaurant, the Riverfront Times and River Styx. Tickets will be sold only at the door of the West Campus Conference Center.

For more information about the local program, call (314) 935-5576. For more information about the national program, call (800) 955-8278.

Design team focuses on fiscal planning — from page 2

6. The practice plan will have its own reserves for specific clinical investments and working capital as approved by the Practice Plan Board.

The Financial Management Design Team recommended that overall fiscal policy for the medical school's clinical practice be developed and overseen by the practice plan.

"By establishing schoolwide goals and support services for our clinical practice, we will ensure sufficient operating income to fund investments in practice plan programs and facilities," said Fetter.

Additionally, the team recommended that individual departmental goals for operating performance and investments be established. These individual goals, in aggregate, will achieve schoolwide goals. "The practice plan will monitor the

financial performance of the medical school's overall clinical practice and that of individual departments against these goals and assist the departments in achieving these goals," said Fetter. "By serving as a central repository for departmental financial information, the practice plan will facilitate integrated decisions regarding clinical investments."

Re-engineering teams are forming to develop tactics for implementing design team recommendations. For more information or to join one of these teams, call Joan Podleski at (314) 362-1062.

Subsequent issues of the Record will report on additional work by the design teams. This article and others in this series will be available on the World Wide Web at <http://wupa.wustl.edu/record/record.html>.

Campus Authors

The following is a recent release available at the Campus Bookstore in Mallinckrodt Center on the Hilltop Campus or at the Washington University Medical Bookstore in the Olin Residence Hall. For more information, call (314) 935-5500 (Hilltop Campus) or (314) 362-3240 (School of Medicine).

During his stay at the asylum of St.-Rémy from 1889 to 1890, Vincent van Gogh created a series of painted copies of works by other artists. While art historians generally have passed over these works when considering van Gogh's oeuvre — attributing them to therapy during a period of isolation from his usual contacts — Cornelia Homburg, Ph.D., curator of the Washington University Gallery of Art, argues that the paintings hold true significance for both the artist and his audience.

Homburg makes her case in the recent book "The Copy Turns Original: Vincent van Gogh and a New Approach to Traditional Art Practice." These paintings offer great insight into the mind of van Gogh and into the understanding of the copy at the end of the 19th century, Homburg notes.

The book also places van Gogh's work in the context of copies by his contemporaries, Paul Gauguin, Odilon Redon and Louis Anquetin. His activity in this area was an influential factor in an artistic development that began at the end of the 19th century and continued well into the 20th, she writes.

Homburg, a native of Germany, received a master's degree in art history from the University of Chicago (1985) and a doctorate in art history from the University of Amsterdam in the Netherlands (1994). Before assuming the position of curator of the Gallery of Art in 1994, Homburg worked as assistant curator at the renowned Vincent van Gogh Museum in Amsterdam. Homburg also is an adjunct professor in the Department of Art History and Archaeology in Arts and Sciences.

(The book is published by John Benjamins Publishing Co., Amsterdam, the Netherlands.)



Opportunities & personnel news

Hilltop Campus

The following is a partial list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 130 West Campus, or by calling (314) 935-5906.

Communications Technician I 970077. *Communications Services.* Requirements: high school graduate; training experience in concepts of operation and maintenance of communications equipment; ability to perform strenuous work and heavy lifting; willingness to work flexible hours and overtime; willingness to use personal vehicle with mileage reimbursement; ability to detect and differentiate the telephone color code. Application required.

Editorial and Public Relations Assistant 970081. *University College.* Requirements: bachelor's degree; excellent writing and editing skills; two years writing and editing experience; knowledge of public relations; creativity; good sense of editorial and graphic design; knowledge of or ability to learn desktop publishing. Application, résumé and samples of work required. Schedule: part-time.

Curator, Modern Literature Collection/Manuscripts 970087. *Olin Library.* Requirements: master's or doctoral degree in English or comparative literature; master's degree in library science from an ALA-accredited school preferred; subject expertise in contemporary American and British literature; evidence of scholarly ability; familiarity with antiquarian book trade; knowledge of manuscript cataloging procedures; experience with automated procedures, including AMC formats, HTML and SGML, desirable; familiarity with trends in archival automation; knowledge of current manuscript preservation practices; special collections experience; manuscript reference experience helpful; academic library experience preferred; collection development experience preferred; experience preparing exhibits helpful; ability to assist the public in a helpful and courteous manner. Application required.

Administrative Assistant 970091. *Accounting Services.* Requirements: college degree from a business or vocational school; accounting or bookkeeping experience is a plus; five or more years secretarial experience with accurate typing skills, including statistical typing; one to three years PC word processing experience, including WordPerfect for Windows; telephone skills; excellent grammar, punctuation and spelling skills; ability to maintain confidential information; ability to participate as a team member on various teams and projects. Application required.

Financial Systems Administrator Team Leader 970092. *Accounting Services.* Requirements: undergraduate degree in accounting or information technology; certified public accountant is a plus; three to five years accounting or related finance/budgeting experience; proficiency working with financial systems, PCs and LANs; experience in database administration and report writing; proficiency with fourth-generation programming/report writing languages, such as Focus, SQL or MS-Access; excellent accounting skills; working knowledge of GAAP; fund accounting experience in a complex university environment preferred; demonstrated ability to manage financial system projects and implementations; excellent interpersonal skills; self-motivated; driven by the need to succeed and the energy to devote time required to achieve goals. Application required.

GYN Nurse Practitioner 970104. *Health Service.* Requirements: bachelor's degree; five years GYN practitioner experience. Schedule: part-time, Monday, Thursday, Friday. Application required.

Library Technical Assistant (Accounting) 970105. *Olin Library.* Requirements: two years of college with at least six hours of accounting; degree preferred; two to three years experience with WU accounting system preferred; ability to work with details in an organized manner; ability to work independently and to organize work flow; ability to type accurately and at a reasonable speed (40-45 wpm); ability to interact with other library units and departments in the University and with outside vendors; good written and verbal communication skills; knowledge of automated systems, preferably FIS; familiarity with PCs, Excel and Microsoft Word helpful; physical stamina. Application required.

Administrative Specialist (Professional Clerk I) 970106. *Earth and Planetary Sciences.* Requirements: five years general office experience; proficiency with advanced word processing software such as WordPerfect 6.0 and MS-Word 6.0 preferred; experience with DOS, Windows and spreadsheets preferred; ability to interact courteously and efficiently with faculty, staff, students and visitors; ability to organize and prioritize work assignments; ability to master administrative procedures; ability to work under minimal supervision; ability to meet deadlines; ability to supervise and train student assistants. Application required.

Network Administrator 970109. *Arts and Sciences Computing Center (ASCC).* Requirements: bachelor's degree; strong technical background and a commitment to user support to develop and manage ASCC network resources. Responsibilities include World Wide Web development, user account maintenance, net-

work management, and joint management of the center's Sun systems. Position requires involvement in all aspects of managing a large academic computing center. Application required.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees interested in submitting a transfer request should contact the Human Resources Department of the medical school at (314) 362-7202 to request an application. External candidates may call (314) 362-7195 for information regarding application procedures or may submit a résumé to the human resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, MO, 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than human resources. Job openings also may be reached via the World Wide Web at <http://@medicine.wustl.edu/vumshr>.

Medical Assistants 950843-R. The School of Medicine needs qualified medical assistants looking for part-time work. Front- and back-office duties are involved. Requirements: self-starter; proven patient-care skills.

Medical Research Technician 960187-R. *Pharmacology.* Requirements: energetic; organizational skills; experience with basic instrumentation and scientific math calculations; experience working with mice and surgery highly preferred. Responsibilities include breeding and maintaining lab mice; making transgenic and knockout mice; organizing and maintaining records of mouse strains; working with radioisotopes to make DNA probes; and performing other basic laboratory duties as assigned.

Medical Research Technician 970066-R. *Obstetrics and Gynecology.* Requirements: knowledge of basic instrumentation and instrument troubleshooting; energetic. Responsibilities include working with: solution/media preparation, scientific math calculations, protein and rna hybridization, radioisotopes, recombinant DNA, sterile techs, tissue cultures, frozen sections, paraffin, sectioning, and tissue staining. This position provides molecular and cellular biology support. Schedule: part-time, 20 hours per week.

Secretary 970072-R. *Surgery.* Requirements: high school graduate or equivalent; two years secretarial experience; typing 60 wpm. Responsibilities include typing correspondence, manuscripts and grants; making travel arrangements; and serving as receptionist for director of a research laboratory. Schedule: part-time, 20 hours per week.

Programmer Analyst II 970087-R. *Bone Marrow Transplant.* Requirements: bachelor's degree; superior interpersonal skills; experience with systems programming, database selection and establishment, and specialized program design; experience with networking/data communications, scientific and statistical programming, and MS/DOS preferred. Responsibilities include creating a new database for the Bone Marrow Transplant Division; recommending and creating a structure in which to organize data for clinical trials; providing statistical analysis; and maintaining the database.

Custodian 970111-R. *Custodial Services.* Requirements: high school graduate or equivalent; knowledge of institutional house-keeping preferred. Training available. Multiple full-time positions available for all shifts.

Medical Research Technician 970179-R. *Biochemistry and Molecular Biophysics.* Requirements: self-starter; experience with instrument troubleshooting, enzyme assays, paper and tic chromatography, electrophoresis, and tissue cultures preferred; knowledge of a balance (analytical and standard), centrifuge (standard and ultra), PH meter, compound microscope and radioisotopes preferred. Schedule: part-time, 20 hours per week.

Programmer Analyst 970277-R. *Psychiatry.* Responsibilities in-

clude assisting with various computer-related tasks on a research project; installing hardware and software; troubleshooting; and some SAS programming. Schedule: part-time, 20 hours per week.

Professional Rater 970288-R. *Psychiatry.* Requirements: effective interpersonal and communication skills; ability to take directions and pay attention to detail; psychology, social work or related experience beneficial. Responsibilities include contacting and recruiting research subjects; conducting interviews; and completing all paperwork for each interview. Schedule: flexible, part-time, weekends and evenings, 16 hours per week.

Accounts Payable Assistant 970310-R. *Radiology.* Requirements: bachelor's degree in accounting/business or three years experience in accounts payable; strong computer skills; strong interpersonal skills; attention to detail. Responsibilities include processing accounts payable documents; maintaining files and expense records; preparing various departmental reports; and providing support and assistance to departmental staff.

Research Patient Coordinator/Outreach Worker 970314-R. *Applied Physiology.* Requirements: licensed registered nurse; experience in geriatric environment. Responsibilities include serving as a representative of the Wash-

ington University Long Term Care Research Consortium to outside constituencies; coordinating research study protocols, which involves screening and evaluating clinical data for potential study participants; guiding enrollment; performing clinical assessments of nursing home residents; monitoring patient compliance; accumulating data; recordkeeping; assisting in presentations to IRM committee; and preparing budgets.

Administrative Coordinator 970386-R. *Transportation.* Requirements: marketing experience; effective communication skills; high degree of diplomacy; accounting and budget reconciliation beneficial. Responsibilities include managing Medical Center's ride-share program; promoting and marketing the program to include commuter alternatives, the ride-home program, transit pass sales, and van/carpool incentives.

Professional Rater 970393-R. *Psychiatry.* Requirements: college degree in psychology, social work or related field. Responsibilities include recruiting study respondents; conducting interviews; editing completed interviews; training new personnel; preparing productivity reports; and serving as a liaison between the data staff and data collectors. This is a full-time position for a nine-month high-intensity research project.

Seminars offer employees guidance on investing for their retirements

The Office of Human Resources has scheduled a second round of investment-education seminars for employees who want to better understand and make decisions about their investments in Washington University's retirement plan.

At each session, representatives of Teachers Insurance and Annuity Association/College Retirement Equities Fund (TIAA/CREF) and Vanguard will review the objective and risk/return for each of the investment fund options. The consultants also will help identify the different types of investors and the best strategies for maximizing potential retirement savings. Questions will be answered during the presentations and, if time permits, after each seminar. It is not necessary to register for the seminars.

The following seminars are scheduled:

- Tuesday, Nov. 12 — 9 to 11 a.m. in Room 103 Simon Hall on the Hilltop Campus, and 2 to 4 p.m. in Conference Room A at the West Campus Conference Center.

- Wednesday, Nov. 13 — 9 to 11 a.m. in Conference Room A at the West Campus Conference Center, and noon to 2 p.m. in Cori Auditorium, 4565 McKinley Ave., on the Medical Campus.

- Thursday, Nov. 14 — 9 to 11 a.m. in Graham Chapel on the Hilltop Campus,

and 3 to 5 p.m. in Moore Auditorium, 660 S. Euclid Ave., on the Medical Campus.

For more information about the seminars, call the benefits office on your campus. For more information about the University's retirement investment funds, call TIAA/CREF at 1-800-842-2733 (ext. 5509) or Vanguard at 1-800-523-1188.

Enrollment deadline Nov. 22 for flex plans

Now is the time for eligible employees to enroll or re-enroll in the health-care and/or child-care flex spending plans for the 1997 calendar year.

Those enrolled in these plans for this year are not automatically enrolled for next year; re-enrollment is required.

The flex plans offer tax savings by allowing eligible employees to set aside out-of-pocket health- and child-care expenses on a pre-tax basis.

Booklets explaining the flex plans were mailed to eligible employees last month. Each booklet contained an enrollment form, which must be returned by Nov. 22 to the Office of Human Resources, Hilltop Campus Box 1184.

Call the benefits office on your campus for more information.

Total daytime enrollment for 1996-97 numbers 10,240 students — from page 1

Clift said. "And these students already have begun to make a significant contribution to the University community."

Financial aid plays an important role for the University's undergraduate students, said William H. Witbrodt, director of Student Financial Services. More than 60 percent of undergraduates receive some type of financial aid.

About 55 percent of undergraduates receive federal, state and University grant support, not including student loans or part-time jobs. The total amount of grants received by University undergraduates exceeds \$31 million this year, with about \$29 million of that coming in the form of University scholarships.

"Washington University is maintain-

ing its strong commitment to financial aid and its investment in talented students," Witbrodt said.

The number of freshmen enrolled in the five schools with undergraduate programs is as follows: **Architecture**, 61; **Art**, 86; **Arts and Sciences**, 772; **Business**, 151; and **Engineering and Applied Science**, 226.

The fall 1996 total enrollment of 10,240 students in day-school, degree-granting programs is made up of 5,173 undergraduates and 5,067 graduate students.

The following are the total daytime enrollments this academic year in each school: **Architecture**, 206 undergraduates and 144 graduates; **Art**, 303 undergradu-

ates and 37 graduates; **Arts and Sciences**, 2,991 undergraduates and 1,339 graduates; **Business**, 684 undergraduates, 459 graduates and 116 students in the executive master's of business administration program; and **Engineering and Applied Science**, 511 undergraduates, 453 Sever undergraduates and 695 graduates.

The **School of Medicine's** fall 1996 enrollment is as follows: 25 undergraduates and 291 graduates in occupational therapy; 484 graduates in medicine; 237 graduates in physical therapy; 63 graduates in health administration; and one graduate in psychiatric epidemiology.

At the **School of Law**, 636 students

are pursuing law (J.D.) degrees. Forty-four students are enrolled in the graduate-level law program.

The **George Warren Brown School of Social Work** has 521 graduate students.

The fall 1996 enrollment for **University College** totals 699 undergraduates and 386 graduates. The **engineering technology** program has 119 undergraduates; the **architecture technology** program has 46 undergraduates; the **Fine Arts Institute** has six undergraduates; and the **Professional Business** program has 140 graduates.

The grand total enrollment for day and evening students is 11,636, with 6,043 undergraduates and 5,593 graduates.