

10-24-1996

Washington University Record, October 24, 1996

Follow this and additional works at: <http://digitalcommons.wustl.edu/record>

Recommended Citation

"Washington University Record, October 24, 1996" (1996). *Washington University Record*. Book 738.
<http://digitalcommons.wustl.edu/record/738>

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact engeszer@wustl.edu.

Record

WASHINGTON
UNIVERSITY
IN ST. LOUIS

Vol. 21 No. 9 Oct. 24, 1996

Washington University plays host to

Society of Environmental Journalists



Chancellor Mark S. Wrighton greets Paul Raeburn, an editor at *Business Week* magazine, at a Friday, Oct. 18, reception in the Gateway Arch for the Society of Environmental Journalists. Raeburn is the author of the book "The Last Harvest."



Barbara A. Schaal, Ph.D., professor and chair of the Department of Biology in Arts and Sciences, discusses the prairie ecosystem with award-winning author Richard Manning during a tour of the Shaw Arboretum of the Missouri Botanical Garden on Thursday, Oct. 17. Manning is the author of "Grassland."

Nearly 400 members of the Society of Environmental Journalists (SEJ) were treated to a helping of Midwestern hospitality and a dose of Washington University faculty expertise last week.

The University played host to SEJ's Sixth Annual Conference from Oct. 17-20. Environmental journalists from around the nation and the world attended the conference.

On the first day of the conference, SEJ members embarked on full- and half-day tours of regional environmental sites, including the Shaw Arboretum

of the Missouri Botanical Garden; Cahokia Mounds near Collinsville, Ill.; and dioxin-tainted Times Beach, Mo., among others.

University faculty members played key roles in the conference. In addition to leading some of the tours, faculty members also conducted sessions in their labs on the Hilltop and Medical campuses.

In terms of hospitality, SEJ members spent three evenings at three different St. Louis "must-see" sites: the Missouri Botanical Garden; the Gateway Arch, with tram rides to the top for a glimpse of the illuminated city; and the St. Louis Science Center.

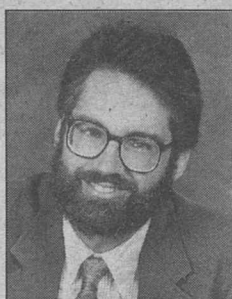
University to share ATM technology under NSF grant

Washington University has received a three-year \$3 million grant from the National Science Foundation (NSF) to share its ultra-high-speed networking technology with universities nationwide.

The technology is based on a family of communications standards called asynchronous transfer mode (ATM), which is a switching and transmission technique based on the idea of carrying information in small, fixed-sized units called cells for the efficient transportation of multimedia information — audio, video and data.

During the past decade, Jonathan S. Turner, Ph.D., the Henry Edwin Sever Professor of Engineering and chair of the Department of Computer Science, has pioneered ATM switching technology and, in the past three years, has fine-tuned a switching architecture that operates at 2.4 gigabits per second —

16 times faster than available standard commercial ATM systems and 40,000 times faster than current telephone lines.



Jonathan S. Turner

the construction of very high-performance and flexible communications networks.

Turner; Jerome R. Cox Jr., Sc.D., the Harold B. and Adelaide G. Welge Professor of Computer Science; Guru M. Parulkar, Ph.D., associate professor of computer science and director of the

One gigabit is 1 billion bits. Standard commercial ATM switches run at 150 megabits (1 million bits) per second. The new switching system, together with a new network interface chip, enables the

Applied Research Laboratory (ARL); and ARL colleagues have advanced the hardware and software components of their ATM system network as well as sped up the transmission rates. The work was supported by the Defense Advanced Research Projects Agency and the NSF.

A fast-growing technology, ATM is used by many institutions and utilities, including the National Aeronautics and Space Administration, Boeing Manufacturing, Boatmen's National Bank and the Internet. There is widespread expectation that ATM may become the vehicle of choice for the Internet, which now uses ATM in a number of capacities, particularly in network access points in which different Internet service providers interconnect.

The University in September announced the grant and a program to provide gigabit network kits on the

World Wide Web. University researchers nationwide interested in receiving Washington University gigabit network kits must write short proposals describing their research and explaining how the gigabit network will assist them; the proposals will go through a peer-review process involving the NSF. Researchers chosen will come to Washington University for an intensive two-week training period next summer, and each will leave with an ATM gigabit kit consisting of an eight-port switch and six network interface cards that plug into computer workstations, allowing data transmission between workstations and the network. The kits will enable the exploration of many different applications not yet available.

The NSF grant will allow Turner and his colleagues to produce about 50 gigabit network kits.

Continued on back page

Humorist Dave Barry to keynote Founders Day banquet Nov. 9

Humorist Dave Barry will deliver the keynote address at the Founders Day banquet Nov. 9 at The Ritz-Carlton in Clayton.

Barry will give the address at the annual event that commemorates the University's 1853 founding. Sponsored by the Washington University Alumni Association, the evening begins with cocktails at 6:30 p.m. and dinner at 7:15 p.m. An awards program and Barry's address will follow.

A best-selling author and syndicated humor columnist, Barry was born in 1947 in Armonk, N.Y. After graduating from Pleasantville High School — where

he was elected "Class Clown" of the Class of 1965 — he went to Haverford (Penn.) College, where he graduated in 1969 with a bachelor's degree in English. Barry then got a job with The Daily Local News in West Chester, Penn., where he covered what he describes as "a series of incredibly dull municipal meetings, some of which are still going on."

In the late 1970s, Barry began writing weekly humor columns for The Daily Local News, and in 1983, he was hired by the Miami Herald. Barry's syndicated weekly column now appears in more than 300 newspapers, including

the St. Louis Post-Dispatch. He also has written a number of best-selling books, including "Dave Barry Turns 40," "Dave Barry Does Japan" and "Dave Barry Is Not Making This Up." In 1988, Barry won a Pulitzer Prize for commentary.

The Founders Day banquet will feature the presentation of four Distinguished Faculty awards and six Distinguished Alumni awards. The University's Board of Trustees also will present the Robert S. Brookings Award to two individuals "who exemplify the alliance between Washington University and its community."

Continued on page 5

In this issue ...

Making strides 2

The Washington University Cancer Center progresses toward National Cancer Institute designation

Studying signals 3

Linda J. Pike, Ph.D., has spent her career examining the bucket brigade of messengers in cell communication

African-American music 6

Ethnomusicologist Portia K. Maultsby, Ph.D., keynotes the Black Arts and Sciences Festival

Medical Update

Cancer Center making strides in pursuit of NCI designation

One year ago, cancer research at the School of Medicine took on a new mission.

The National Cancer Institute (NCI), a division of the National Institutes of Health, awarded a three-year \$814,000 planning grant to the School of Medicine to begin preparing a grant application for an NCI-designated cancer center. Barnes-Jewish Hospital/BJC Health System has worked with the medical school in providing support for the planning process and will be a partner in the Washington University Cancer Center. The effort may be likened to seeking a "Good House-keeping seal of approval" or a "five-star" designation. The goal is to expand basic science and clinical research in cancer and offer the next generation of physicians and scientists in the field some of the most comprehensive training available in the United States.

Another aim of the Cancer Center is to offer patients some of the finest care possible, said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "The need for an NCI-designated center is undeniable. There is none in the region, and there is an opportunity to enhance services for the Midwestern population," Peck said.

Washington University currently provides treatment for the equivalent of one in every nine new cancer patients diagnosed in Missouri each year.

"Cancer is emerging as the No. 1 national health problem as we enter the 21st century," said Peck, principal investigator of the planning grant and chair of the Cancer Center Facilities and Development Committee. "The development and implementation of improved methods of prevention, diagnosis and treatment of this major health problem are key components of the mission of Washington University."

The National Cancer Act of 1971 authorized the NCI to support a network of cancer centers that would be national leaders in cancer treatment, research and education. The initial planning grant has enabled the School of Medicine to put together the organizational superstructure to bridge the gaps between scientists and clinicians who are working toward similar, cancer-related goals. Also called "translational" research, the cost-effective scheme quickly brings the latest advances from the laboratory bench to the benefit of patients.

Cryer elected president of diabetes association

Philip E. Cryer, M.D., the Irene E. and Michael M. Karl Professor of Endocrinology and Metabolism and director of the Division of Endocrinology, Diabetes and Metabolism, has been elected president of the American Diabetes Association (ADA).

Cryer, who also is director of the General Clinical Research Center at the School of Medicine, has been an active volunteer with the ADA since 1975. Prior to his election as national president, he served as president of both the Missouri Affiliate and the St. Louis Chapter of the ADA. He also has served on numerous national committees and was the editor of *Diabetes*, the association's leading scientific journal.

In 1994, Cryer received the Banting Medal for Scientific Achievement. The award honors highly meritorious career achievement in the field of diabetes research. It is the highest scientific award given by the ADA and is presented annually to an individual who has made significant, long-term contributions to understanding diabetes and its treatment and prevention.

Cryer is the first person in the ADA's 56-year history to receive the Banting Medal, serve as editor of *Diabetes*, and be elected president.

The main focus of Cryer's research has been to understand how the body protects itself against hypoglycemia (low blood

Since the planning grant was awarded, Daniel C. Ihde, M.D., professor of medicine, has been named director of the Cancer Center. Three associate directors also have been named: Jeffrey A. Norton, M.D., professor of surgery, as associate director of clinical research; Stanley J. Korsmeyer, M.D., professor of medicine and of pathology, as associate director of basic research; and Edwin B. Fisher Jr., Ph.D., professor of psychology in Arts and Sciences and research professor of medicine, as associate director of prevention and control.

One broad, primary goal is to establish a cadre of core laboratories that will provide sophisticated instrumentation and expertise that is shared between cancer researchers and clinicians. Currently, five core facilities have been targeted for support by the Cancer Center. They are: biostatistics and clinical trials, molecular diagnostics and cytogenetics, tumor bank, embryonic stem cell, and structural and computational biology. These labs will serve as a hub for the many facets of cancer research at Washington University, consolidating shared resources in a cost-efficient manner.

The Cancer Center, which still is accepting applications, now boasts 235 members. Recruitment of additional faculty who represent the most contemporary and exciting arenas of cancer research is a top priority, said John P. Atkinson, M.D., the Adolphus Busch Professor and chair of the Department of Medicine and professor of molecular microbiology.

"These developments, coupled with our overall strength in cancer-related basic research and extremely strong clinical programs in prostate, colorectal, lung, breast, gynecological and endocrine cancers, means that we are primed for putting together an NCI Cancer Center," Atkinson said.

The Washington University Medical Center campus plan recently approved by Barnes-Jewish Hospital/BJC Health System includes a new Cancer Center building near the corner of Forest Park and Euclid avenues, contiguous with the long-awaited ambulatory care center. The Cancer Center building will become the practice site for the clinical cancer programs. The School of Medicine is planning to locate the basic science component of the Cancer Center in an addition to the Clinical Sciences Research Building.

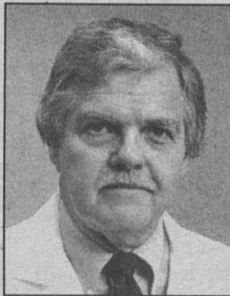
— George Corsiglia

sugar) and how those protective mechanisms fail in patients with insulin-dependent diabetes, leading to episodes of hypoglycemia.

These episodes have potentially devastating effects in the brain. Having identified the physiological mechanisms that prevent hypoglycemia in healthy people, Cryer and his colleagues are looking for ways to minimize the frequency of such episodes in people with insulin-dependent diabetes. Hypoglycemia is a side effect of insulin replacement therapy.

"We now know that blood sugar control prevents or delays many of the long-term complications of diabetes, but hypoglycemia too often frustrates attempts to achieve blood sugar control," Cryer said.

Cryer has received several honors in addition to the Banting Medal, including the Award for Excellence in Clinical Investigation from the Endocrine Society and the Award for Excellence in Clinical Research from the General Clinical Research Centers Program at the National Institutes of Health.



Philip E. Cryer



Discussing disabilities

The Program in Occupational Therapy at the School of Medicine was the site of the St. Louis mayor's first Town Hall Meeting for Persons With Disabilities. Here, Mayor Freeman R. Bosley Jr. discusses transportation issues with Danielle Minor, a business and finance major at Forest Park Community College. About 150 people, including community members and representatives from the University and area service agencies, attended the meeting.

Understanding drug abuse focus of meeting

Leaders in the field of drug abuse and addiction research will meet Tuesday, Oct. 29, in St. Louis for research updates and discussions of the best ways to tailor drug treatment and prevention programs to state and local needs.

"Understanding Drug Abuse and Addiction, Myth vs. Reality" will begin at 9 a.m. at the Regal Riverfront Hotel, 200 S. Fourth St., downtown St. Louis.

The daylong community meeting will include presentations, question-and-answer sessions and an interactive discussion featuring state policymakers and representatives from private-sector organizations, schools and community and religious organizations.

Alan I. Leshner, M.D., director of the National Institute on Drug Abuse (NIDA), will discuss what science has taught us about drug abuse and addiction and ways to reduce their impact. Several Washington University investigators also will present and discuss their research.

One of the presenters, Linda B. Cottler, Ph.D., associate professor of epidemiology in psychiatry, will discuss her work with local drug users. "We have found that effective strategies for treating and preventing drug abuse require cooperation from agencies, treatment centers and, most importantly, drug abusers. That is our main challenge in drug abuse research," Cottler said.

Theodore J. Cicero, Ph.D., vice chancellor for research and professor of neuropharmacology in psychiatry, will talk about his research into the nature of addiction. Samuel B. Guze, M.D., the Spencer T. Olin Professor and head of the Department of Psychiatry and associate professor of medicine, and Carl J. Fichtenbaum, M.D., instructor in medicine, also will participate.

The afternoon program will feature a panel discussion with members of the

Missouri drug abuse prevention and treatment community about how to translate research findings into action in area clinics and treatment centers.

Record

Editor: Michael Slatin, 935-6603, Campus Box 1070

Assistant vice chancellor, executive director, University Communications: Judith Jasper

Executive editor: Susan Killenberg

Editor, medical news: Diane Duke, 286-0111, Medical School Box 8508

Assistant editor: David Moessner, 935-5293

Production: Galen Harrison

Record (USPS 600-430; ISSN 1043-0520), Volume 21, Number 9/Oct. 24, 1996. Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO, 63130. Periodicals postage paid at St. Louis, Mo.

Address changes and corrections:

Postmaster and non-employees: Send to Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO, 63130.

Hilltop Campus employees: Send to Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO, 63130.

Medical Campus employees: Send to Payroll Office, Washington University, Campus Box 8017, 660 S. Euclid, St. Louis, MO, 63110.

Electronic Record: To view the Record on the World Wide Web, go to <http://wupa.wustl.edu/record/record.html>.



Washington

WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Pike studies bucket brigade of cell messengers

It is Tuesday, one of the days Linda J. Pike, Ph.D., leads a noon aerobics class for Medical Center personnel. Dressed in a blue leotard, blue tights and blue socks, Pike shouts commands to the other class members. With her blond hair tied in a blue bandanna, she stretches, skips, reaches and steps. "Keep the arms going," she says. "March it out. Take it up. Tap it down."

Aerobics may seem a far cry from basic science, but during the rest of the day, Pike, an associate professor of biochemistry and molecular biophysics, studies the way molecular instructors goad cells into action by issuing commands from the cell surface. In a process called signal transduction, the commands pass along a bucket brigade of messengers, telling proteins inside the cell to "march it out, take it up or tap it down."

Pike, who holds a black belt in tae kwon do, always has pursued exercise and science. By age 5, she had learned the symbols for the chemical elements from flashcards made by her father, a chemical engineer.

In her New Jersey high school, Pike was a cheerleader and danced in all-school productions. Her biology and chemistry teachers inspired her to become a biochemist. "In my mind, chemistry provides the basis for the way biology works," she explained.

At the University of Delaware, Pike took up figure skating and majored in chemistry after resisting an urge to become a French major. As a biochemistry graduate student at Duke University from 1975 to 1980, she rode horses and learned jazz, tap and clog dancing. Her interest in signal transduction began at this time as she helped determine how a single messenger, the adrenal hormone epinephrine, can send different signals into different types of cells.

In a biochemistry class at Duke, Pike met her husband-to-be, J. Evan Sadler, M.D., Ph.D., now a professor of medicine and of biochemistry and molecular biophysics at the School of Medicine. The two married in 1981, six months after Pike moved to Seattle on a plane that skirted a billowing cloud of ash from Mount St. Helens.

At the University of Washington, Pike studied the signaling pathway for epidermal growth factor (EGF), a protein that stimulates the growth of epidermal and other cells. She was a postdoctoral fellow with Edwin G. Krebs, M.D., who graduated from the School of Medicine in 1943, won a Nobel Prize in 1992, and now is a professor emeritus at the University of Washington School of Medicine.

"It was wonderful to have Linda as a postdoctoral fellow in my laboratory," Krebs said. "She was well-trained, bright, imaginative and hard-working. She also was serious and concerned about her research problem, but she never got discouraged. Her enthusiasm and energy carried over to others in the group and contributed importantly to the atmosphere of the lab."

Teacher and advocate

In 1981, Sadler joined Pike at the University of Washington as a fellow in hematology. The couple's first child, Brooke, was born in 1984. Three months later, the family moved to St. Louis after turning down joint appointments at two other major schools. "We decided to come here because it is full of science jocks," Pike recalled. "Everyone is so enthusiastic, and there are great opportunities for interdisciplinary interactions."

The couple's second child, Evan, was born in 1986. "Having children has reduced the amount of time I can commit to work-related activities," Pike said. "So I've become more efficient in utilizing my time during the day. Although I always feel I could use more time for work, I would never exchange those few extra hours for my family. And sometimes, leaving in the evening to take a child to, say, a softball game clears your mind and allows you to take up problems with a new perspective."

Pike's teaching has earned her three Distinguished Service Teaching Awards and appointment as coursemaster for the medical advanced biochemistry course. "I try to give lectures that future physicians will find interesting," she said. "So I cover relevant topics such as how a particular drug works or the metabolic basis of inherited diseases."

Dena Minning, a student in the Medical Scientist Training Program, has taken two courses from Pike. "I realized how excellent her lectures were when I used my notes to tutor a first-year medical student who was able to gain an understanding of enzyme kinetics despite no previous course work in biochemistry," Minning said.

In 1990, Pike helped found the Academic Women's Network (AWN) to promote networking among women faculty at the School of Medicine. She served as president from 1992-93. "It's important for junior faculty to find role models and mentors," she said. "But not all departments have women in senior positions."

AWN members have produced a guide to day care,

tacts a cell, a signal passes through the receptor to a downstream member of the signal transduction chain.

Collaborative research

Through AWN, Pike met Helen Donis-Keller, Ph.D., professor of surgery, of genetics and of genetics in psychiatry and director of the Division of Human Molecular Genetics, who was interested in a related receptor named RET. In collaboration with Samuel A. Wells Jr., M.D., the Bixby Professor of Surgery and head of the Department of Surgery, Donis-Keller was trying to identify the gene that causes an inherited cancer syndrome called multiple endocrine neoplasia type 2B (MEN 2B). People with MEN 2B develop thyroid cancer and tumors on nerves to

the intestine. Their skeletons also are abnormal.

In 1994, Donis-Keller's group identified the MEN 2B error — a mutation in the RET gene. Like the EGF receptor, RET also has a tyrosine kinase domain, and this part of the protein was faulty.

Donis-Keller asked Pike to help determine how this mutation causes disease, but too little was known about RET for it to be studied in the laboratory. "Linda knew exactly what to do," Donis-Keller said. "She's an outstanding collaborator, providing insight, expertise and unstinting cooperation. I can't think of anyone who exemplifies the qualities we look for in an academic scientist as well as Linda."

Pike altered the EGF receptor so it contained the same mutation as the faulty RET. Much to her surprise, it now phosphorylated tyrosine residues that were next to a different type of amino acid than the tyrosine

residues that are phosphorylated by the normal EGF receptor. "This means that different sites on a protein or different proteins in the cell are phosphorylated, and signaling is altered," Pike said.

This alteration has drastic consequences, Pike discovered. Cells with the mutation in the gene for the EGF receptor grew faster than normal and, like cancer cells, did not need to anchor to a surface. "They were tremendously large and ugly," Pike recalls. "And they started to scatter away. So you can imagine that in the body they might become metastatic and start tumors elsewhere."

Pike also made cultured cells express a hybrid receptor. The tyrosine kinase domain came from RET, whereas the rest of the hybrid came from the EGF receptor. This allowed the researchers to activate the RET tyrosine kinase with EGF. The small molecule that normally activates RET had not been identified at that time.

"Those studies showed that RET is regulated much differently than the EGF receptor," Pike said. "When you treat most receptors with a growth factor for a time, they are taken into the cell and degraded. These cells took up the receptor when they were overexposed to EGF, but the receptor came right back onto the cell surface."

The hybrid receptor showed a second unusual feature. Unlike the EGF receptor, it was not inactivated through phosphorylation by other kinases.

Last July, several research groups identified glial-cell-line-derived neurotrophic factor (GDNF) as the substance that activates RET. GDNF is known to bind to nerve cells in one place and then travel through the cell bound to its receptor to trigger a biological response at a distant point. Because some nerve cells are enormously long, the receptor could spend a long time in transit. "So the properties we uncovered by studying the hybrid receptor would allow RET to function in this fashion," Pike said. "You would want a protein that is not going to be degraded or inactivated by phosphorylation during its slow journey through the cell."

While continuing this work with RET, Pike is exploring a new observation. She found that a lipid that is important in signaling is highly concentrated in caveolae. "These are little signaling bombs in the plasma membrane," she explained. "We used to think that signaling components were spread throughout the membrane and had to find each other to signal. Now it seems they're clustered in one place."

Pike looks forward to more unexpected findings. "Cell signaling and the control of cell growth will interest me for a long time," she said, "because there is so much to learn."

— Linda Sage



Linda J. Pike, Ph.D., builds molecular models with students Eyad Hanna, left, Laura Thomas and Alan Dow.

"I can't think of anyone who exemplifies the qualities we look for in an academic scientist as well as Linda."

— Helen Donis-Keller

nursery schools, summer camps and elder care. Another AWN group helped shape the medical school's family-leave policy. Pike produces the group's quarterly newsletter, AWNings.

One particular concern of Pike's is the recruitment and promotion of women at the School of Medicine. Her membership on committees such as the Salary Equity Committee and her service as the preclinical full-time faculty representative to the medical school's Executive Faculty has allowed her to stay informed on local progress.

"Linda has urged regular reviews of departments' performances in achieving salary equity," said AWN President Sherida E. Tollefsen, M.D., associate professor of pediatrics. "She also has recommended that promotion of women be carefully monitored because academic rank is of major importance in determining salary. And she and others have worked to establish an adequate career-review process."

Tollefsen said she admires Pike's personal qualities. "Linda thinks clearly and is articulate and forceful," she said. "She sets high professional standards and brings integrity and commitment to whatever task she undertakes."

In the lab, signal transduction has remained Pike's major interest, and she has continued to study the way EGF stimulates cell growth. She focuses on a cell-surface protein called the EGF receptor, the first link in the signal transduction chain.

Part of this protein sticks out of the cell, where EGF can switch it on by binding to pairs of receptor molecules. Another part crosses the cell membrane, creating a bridge to an intracellular piece, the tyrosine kinase domain. The latter can add phosphate groups to tyrosine residues on itself or other proteins. So when EGF con-

Calendar

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

Oct. 24–Nov. 2



Exhibitions

"Art & Science: Investigating Matter." Through Nov. 3. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-4:30 p.m. weekdays; 1-5 p.m. weekends. 935-5490.

"Movable Types: Contemporary British Fine Printing." Through Oct. 30. Special Collections, Olin Library, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5487.

"Type/Script: Notebooks on Examination." An examination of the writer's notebook as function and as form. Features the notebooks of Samuel Beckett, Howard Nemerov, Robert Duncan, James Merrill, May Swenson and others. Exhibit opens Oct. 31 and runs 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, Oct. 25

7 and 9:30 p.m. Filmboard Feature Series. "Mighty Aphrodite." (Also Oct. 26, same times, and Oct. 27 at 7 p.m.)

Midnight. Filmboard Midnight Series. "Dangerous Liaisons." (Also Oct. 26, same time, and Oct. 27 at 9:30 p.m.)

Monday, Oct. 28

7 and 9 p.m. Filmboard Classic Series. "Mr. Smith Goes to Washington." (Also Oct. 29, same times.)

Tuesday, Oct. 29

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

Friday, Nov. 1

7 and 9:30 p.m. Filmboard Feature Series. "The Joy Luck Club." (Also Nov. 2, same times.)

Midnight. Filmboard Midnight Series. "La Femme Nikita." (Also Nov. 2, same time.)



Lectures

Thursday, Oct. 24

11 a.m. Pathology lecture. "p21-activated Kinases," Jonathan Chernoff, Fox Chase Cancer Center. Room 10064 Clinical Sciences Research Bldg. 362-3365.

Noon. Gallery of Art luncheon lecture. "My Photography, Tales of Travel," Herb Weitman, former director of WU Photographic Services for 40-plus years. Steinberg Hall Aud. Cost: \$15. Reservations required. 935-5490.

Noon. Genetics seminar. "Glucose Sensing, Signaling and Response in a Simple Eukaryotic Cell," Mark Johnston, assoc. prof. of genetics. Room 823 McDonnell Medical Sciences Bldg. 362-3365.

3 p.m. Physics lecture. "Self-dual Chern-Simons Theories," Gerald Dunne, U. of Connecticut. Room 241 Compton Hall. 935-6242.

4 p.m. Cardiovascular bioengineering seminar. "Cardiac Electrophysiology," Philip Bayly, asst. prof. of biological and biomedical engineering. Stix Room, first floor, Barnes-Jewish Hospital. 454-7459.

4 p.m. WU Cancer Center seminar. "The Kinetics of Hematopoietic Stem Cells: Implications for Gene Therapy," Janis Abkowitz, prof. of medicine, Hematology Division, U. of Washington, Seattle. Third Floor Aud., St. Louis Children's Hospital. 362-9035.

4 p.m. Chemistry lecture. "NMR Studies of Structure and Conformational Changes in Transmembrane Chemotaxis Receptors," Lynmarie K. Thompson, U. of Massachusetts. Room 311 McMillen Lab. 935-6530.

4 p.m. Assembly Series. The Rabbi Ferdinand M. Isserman Memorial Lecture. "Social Justice and the 1996 Presidential Election," Patricia Schroeder, retiring Democratic congresswoman from Colorado. Graham Chapel. 935-5285.

4 p.m. East Asian studies lecture. "Hong Kong, Chinese Nationalism and the Changing Political Economy of East Asia," Edward Friedman, prof. and Hawkins Chair, Dept. of Political Science, U. of Wisconsin. Room 30 January Hall. 935-4448.

4:15 p.m. Philosophy-neuroscience-psychology seminar. Title to be announced. Speaker is Michael Miller, the Newton R. and Sarah Louisa Glasgow Wilson Professor of Biomedical Engineering. Room 100 Busch Hall. 362-3365.

4:30 p.m. Math colloquium. "On Projective Classification of Manifolds," Andrew Sommese, prof. of mathematics, U. of Notre Dame. Room 199 Cupples I Hall. 935-6726.

5 p.m. Vision science seminar. "Characterization of Genetic Factors That Regulate Intraocular Pressure in Mice," Simon John, Jackson Labs, Bar Harbor, Maine. Seminar Room B Eric P. Newman Education Center. 362-3365.

7:30 p.m. Women's studies lecture. "The Future of Feminist Criticism," Carolyn Allen, prof. of English, U. of Washington, Seattle. Hurst Lounge, Room 201 Duncker Hall. 935-5102.

Friday, Oct. 25

9:15 a.m. Pediatric Grand Rounds. "Zinc Fingers and Broken Hearts," David B. Wilson, asst. prof. of pediatric hematology and oncology. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Cell biology and physiology seminar. "Clathrin, Adaptors and Sorting in Yeast," Sandra K. Lemmon, Dept. of Molecular Biology and Microbiology, Case Western Reserve U. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6950.

4 p.m. African and Afro-American studies lecture. "If Everybody Was a King, Who Built the Pyramids? Afrocentrism in Black American History," Clarence Walker, prof. of history, U. of California, Davis. Room 149 McMillan Hall. 935-5690.

4 p.m. Neuroscience seminar. "Mechanisms of Ischemic Brain Injury," Dennis Choi, the Andrew B. and Gretchen P. Jones Professor of Neurology and head of the Dept. of Neurology. Cori Aud., 4565 McKinley Ave. 362-3365.

Saturday, Oct. 26

10-11:30 a.m. University College Science Saturdays. "Global Warming, Asteroid Collisions, Ozone Holes: What Can Physics Tell Us About the Fate of the Planet?" Carl Bender, prof. of physics. Room 201 Crow Hall. 935-6788.

Monday, Oct. 28

3 p.m. Physics seminar. "Magnetism and Magnetoresistance in MBE-grown LaCaMnO Films," Mark Rzchowski, Dept. of Physics, U. of Wisconsin. Room 241 Compton Hall. 935-6276.

4 p.m. Biology seminar. Biology as an Interdisciplinary Science: Frontiers for the 21st Century. "The Evolutionary Remodeling of an Ontogeny," Rudolf A. Raff, prof. of biology, Indiana U. Room 215 Rebstock Hall. 935-6860.

Tuesday, Oct. 29

Noon. Molecular microbiology/microbial pathogenesis seminar. "Role of Glycolipids in Host-microbial Interactions," David Haslam, instructor in pediatrics. Room 775

McDonnell Medical Sciences Bldg. 362-3692.

12:10 p.m. Physical therapy seminar. "Working Memory and Articulation Rate in Children With Spastic Diplegic Cerebral Palsy: Findings Before and After Selective Dorsal Rhizotomy," Desiree White, asst. prof. of psychology. Classroom C Forest Park Bldg., 4444 Forest Park Ave. 286-1400.

4 p.m. Chemistry seminar. "The Molecular Ordering Within Conducting Polymers: A View From a Structural Perspective," Michael Winoker, U. of Wisconsin. Room 311 McMillen Lab. 935-6530.

4 p.m. Diabetes research seminar. "Novel Molecular Approaches to the Identification of Diabetic Autoantigens," John Hutton, director of research, Barbara Davis Center for Childhood Diabetes, U. of Colorado Health Sciences Center. Pathology Library, Room 3723 West Bldg. 362-7435.

8 p.m. Architecture lecture. Terry Sargent, architect and principal in charge of design, Lord, Aeck & Sargent, Atlanta, will discuss recent projects, including those for the 1996 Summer Olympics. Steinberg Hall Aud. 935-6200.

Wednesday, Oct. 30

8 a.m. Obstetrics and Gynecology Grand Rounds. "Magnetic Resonance Imaging Applications in Gynecology," Jay Heiken, prof. of radiology and director of abdominal imaging. Clopton Aud., 4950 Children's Place. 454-7886.

11 a.m. Assembly Series. Black Arts and Sciences Festival keynote. "African-American Music: Its Cultural and Socio-political Significance in the 20th Century," Portia K. Maultsby, ethnomusicologist and prof. of Afro-American studies, Indiana U. Graham Chapel. (See story on page 6.) 935-5285.

3:45 p.m. Physics lecture. "NMR and NQR Studies of Alkali Borosilicate Glasses," Steve Feller, prof. of physics, Coe College, Cedar Rapids, Iowa. Room 204 Crow Hall. 935-6252.

4 p.m. Biochemistry and molecular biophysics seminar. "ApoB mRNA Editing," Thomas L. Innerarity, Gladstone Institute of Cardiovascular Disease, U. of California, San Francisco. Cori Aud., 4565 McKinley Ave. 362-0261.

4:30 p.m. Peace Corps panel presentation. Friedman Lounge, Wohl Student Center. For more info. or a Peace Corps application, call 935-4166.

Thursday, Oct. 31

4 p.m. WU Cancer Center lecture. The Julia Hudson Freund Memorial Lecture in Recognition of Meritorious Research in Oncology. "Cancer Genes and Cell Signaling," J. Michael Bishop, University Professor of Microbiology, Immunology, Biochemistry and Biophysics, U. of California, San Francisco. Eric P. Newman Education Center Aud. 286-0008.

4:30 p.m. Math colloquium. "Extremals for Eigenvalues of Laplacians," Richard Laugesen, Johns Hopkins U. Room 199 Cupples I Hall. 935-6726.

Friday, Nov. 1

Noon. Cell biology and physiology seminar. "Studying Nociceptors in a Culture Dish," Edwin W. McCleskey, Vollum Institute, Oregon Health Sciences U. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6950.

6 and 8:30 p.m. WU Association Travel Lecture Series. "The Best of the Canadian West," Bob Willis. Graham Chapel. Cost: \$4.50. 935-5212.



Performances

Friday, Oct. 25

8 p.m. Edison Theatre's "OVATIONS!" series. "The Bible: The Complete Word of God (abridged)." The Reduced

Shakespeare Company. (Also Oct. 26, same time.) Edison Theatre. Cost: \$23 for the general public; \$18 for senior citizens and WU faculty and staff; and \$12 for WU students. 935-6543.

Sunday, Oct. 27

2 p.m. Edison Theatre's "ovations! for young people" series. "Mick Moloney and Friends." Edison Theatre. Cost: \$12. 935-6543.



Music

Saturday, Oct. 26

7 p.m. Vocal concert. Indian Concert Series. Featuring S. Abhayankar and Party. Steinberg Hall Aud. Cost: free for WU faculty, staff and students; \$7 for senior citizens and other students; and \$10 for the general public. 935-5547.

Sunday, Oct. 27

4 p.m. Liederabend. Program: music of Ferruccio Busoni, Carl Loewe, Othmar Schoeck and Hanns Eisler with texts by Bertolt Brecht. Featuring Myron Myers of Northern Illinois U. on bass vocals and Seth Carlin, prof. of music, on piano. Comments about the texts by Paul Michael Lützel, the Rosa May Distinguished University Professor in the Humanities. Steinberg Hall Aud. (See story on page 6.) 935-5581.



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.

Midwest AIDS Training and Education Center seminar registration continues. "Dimensions of a Disease — A Three-day Seminar on HIV." Nov. 13-15. Adam's Mark Hotel, Fourth and Chestnut streets, downtown St. Louis. A late registration fee applies after Oct. 15. 362-2418.

Thursday, Oct. 24

9 a.m.-4 p.m. Health Fair '96. Flu shots, cholesterol evaluations and information on nutrition, blood pressure and self breast exams, among many other issues. Mallinckrodt Center, lower level. (See story on page 7.) 935-5990.

1-3 p.m. "Kids Speakin' Out — A Youth Issues Forum." Features young people from local groups and community programs

Calendar guidelines

Events sponsored by the University — its departments, schools, centers, organizations and recognized student organizations — are published in the Calendar. All events are free and open to the public, unless otherwise noted.

Calendar submissions should state time, date, place, sponsor, title of event, name(s) of speaker(s) and affiliation(s), and admission cost. Quality promotional photographs with descriptions are welcome. Send items to Judy Ruhland at Campus Box 1070 (or via fax: (314) 935-4259). Submission forms are available by calling (314) 935-4926.

The deadline for all entries is noon Tuesday one week prior to publication. Late entries will not be printed. The Record is printed every Thursday during the school year, except holidays, and monthly during the summer. If you are uncertain about a deadline, holiday schedule or any other information, please call (314) 935-4926.

discussing problems faced by St. Louis children. Sponsored by Voices for Children. Brown Hall Lounge. 531-5157 or 361-6275.

4 p.m. Reading. Robert Cohen, author of "The Here and Now" and "The Organ Grinder's Son." Hurst Lounge, Room 201 Duncker Hall. 935-5190.

Friday, Oct. 25

Registration deadline for occupational therapy workshop. "Work Environment Analyses for the Experienced Occupational and Physical Therapist." Nov. 1-2. Forest Park Bldg., 4444 Forest Park Ave. 286-1614.

7 p.m. "Kids Speakin' Out — A Celebration of Young Talent." Features dancing, singing, poetry readings and musical dramas by young people from area high schools and performing arts programs. Cost: \$2 for adults and \$1 for children. Proceeds go to charity. May Aud., Simon Hall. 531-5157 or 361-6275.

Saturday, Oct. 26

7:30 a.m. Office of Continuing Medical Education symposium. "New Techniques in Urogynecology." Eric P. Newman Education Center. Registration open through Oct. 25. 362-6891.

8 a.m. Campus Y 5K Fun Run and One-mile Walk. Compete for trophies. All entrants receive T-shirts. Brookings Hall parking lots between Forsyth and Mill-

brook boulevards. Proceeds benefit the Campus YMCA/YWCA Partner With Youth Campaign. Registration cost: \$12 for individuals and \$55 for University groups. For more info., call 935-5010.

10 a.m.-noon. Book arts workshop. "Family Albums." Room 104 Bixby Hall. Cost: \$7.50. To register, call 935-4643.

Thursday, Oct. 31

11:30 a.m.-1 p.m. Halloween luncheon for faculty and staff. Prizes awarded for best costumes. Wohl Student Center. Cost: \$5.50. To make reservations by the Oct. 28 deadline, call 935-5054.

Friday, Nov. 1

7:30 a.m. Office of Continuing Medical Education event. "Fingers to Toes: Comprehensive Orthopaedic Review Course for Primary Care Physicians." (Continues Nov. 2.) Eric P. Newman Education Center. 362-6891.

11:45 a.m. Office of Continuing Medical Education event. "Rupert B. Turnbull Memorial Lectureship and Surgical Grand Rounds." (Continues Nov. 2.) Steinberg Amphitheater, Barnes-Jewish Hospital. Advance registration preferred. 362-6891.

3 p.m. Special Collections symposium. "Jay Wright: Dimensions of History." This two-day celebration of Wright's poetry and drama features lectures and readings and a panel discussion. (See story on page 6.) 935-5495.

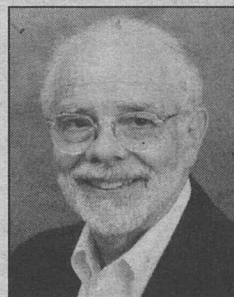
Faculty honored for commitment — from page 1

The Distinguished Faculty awards honor faculty members for their "outstanding commitment and dedication to the intellectual and personal development of students." The recipients this year are Gerald N. Izenberg, Ph.D., professor of history in Arts and Sciences and co-director of the Program in Literature and History in Arts and Sciences; James M. McKelvey, Ph.D., senior professor of chemical engineering; Jeffrey E. Saffitz, M.D., Ph.D., professor of pathology and associate professor of medicine; and Jeigh Singleton, associate professor of art.

GERALD N. IZENBERG

Professor of history in Arts and Sciences

Izenberg joined the Arts and Sciences faculty in 1976 as an associate professor of history and became a full professor in 1991. His field of scholarship is



Gerald N. Izenberg

European intellectual history of the 19th and 20th centuries. Within that general field, his subspecialty is psychohistory — the application of psychological and psychoanalytical theories and methods to provide a more profound understanding of historical personalities and events. He is widely regarded as one of the most accomplished scholars in the country in the field of psychohistory.

Soon after he joined the University, Izenberg helped create and administer the Program in Literature and History, of which he has been a co-director since 1977. The program, originally funded by a substantial grant from the National Endowment for the Humanities, has stimulated significant collaboration among the history, English and foreign languages and literatures departments in Arts and Sciences. Izenberg is one of only a few professors who have won more than one teaching award from the Council of Students of Arts and Sciences. His courses in European intellectual history are among the most popular and heavily subscribed in the department.

JAMES M. MCKELVEY

Senior professor of chemical engineering

McKelvey has spent most of his professional career devoted to improving engineering education and research at the School of Engineering and Applied Science. During his 27-year tenure as dean of the engineering school, McKelvey led the school to national prominence in engineering education. He was responsible for many innovations, including the Engineering Scholarship Program, which he began with Bill Tao and which served as a model for other scholarship programs.

He helped develop the Dual Degree Program, which has about 200 U.S. liberal arts colleges as partners, as well as the Cooperate Education Program,



James M. McKelvey

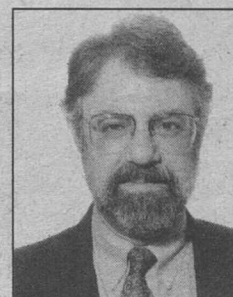
which has many industrial partners. Under McKelvey's leadership, the physical plant of the engineering school was expanded and upgraded, and the engineering endowment grew significantly. McKelvey is recognized as one of the early leaders in the field of polymer processing. His book "Polymer Processing," published in 1960, was considered the standard work in this field for nearly 20 years. Upon his retirement as dean in 1991, McKelvey returned to undergraduate student advising and teaching in the Depart-

ment of Chemical Engineering. In 1992, he received the engineering school's Alumni Achievement Award.

JEFFREY E. SAFFITZ

Professor of pathology and associate professor of medicine

Saffitz came to Washington University as an intern in 1978 in the Department of Pathology at the School of Medicine. A love of teaching has guided his



Jeffrey E. Saffitz

career since he joined the faculty in 1983. His students have attested to his excellence and commitment to undergraduate medical education by awarding him the Distinguished Service Teaching Award for four consecutive years. In addition, he has received the Professor of the Year award and is a two-time recipient of the Teacher of the Year award from the School of Medicine.

Saffitz's research deals with understanding mechanisms of cardiac arrhythmias, the leading cause of death in the United States. He is the author of numerous peer-reviewed articles in prestigious professional journals and chapters in leading textbooks. He was named an Established Investigator of the American Heart Association in 1987 and now serves on the editorial boards of six journals of cardiovascular medicine and pathology. He is currently vice chair of the Executive Committee of the Faculty Council and also serves on the Committee on Academic Evaluation of Students at the medical school.

JEIGH SINGLETON

Associate professor of art

Singleton arrived at the School of Art in 1980 as a visiting lecturer and in 1987 became an associate professor and area coordinator of fashion design.



Jeigh Singleton

Before 1980, Singleton designed apparel lines for Midwest manufacturers with national distribution. Singleton's most important contributions as a designer are in his investigation of cultural forms in clothing, his designs for the disabled, and his current documentation of design processes for education. His work has been exhibited in galleries nationwide, as well as retail establishments internationally.

Singleton provides his students practical applications for textbook theories on art and design. Since 1990, three of his students have won recognition at the Concours de Jeunes Createurs de Mode, an international student competition held annually in Paris. In 1994, one of his students became the first University fashion design student to be awarded a Fulbright Fellowship.

Singleton also has volunteered his professional expertise in ways to benefit the larger community, both locally and nationally. He has participated in the Design Industries Foundation for AIDS, Food Outreach, the International Institute, and "The Russia Project," a col-

laborative effort to establish a trade/idea exchange for the apparel industry in Russia and St. Louis.

Reservations to the banquet must be made by Nov. 1. The banquet is \$45 per person and \$25 per person for those who graduated from the University between 1991 and 1996. For more information or to make reservations, call (314) 935-6503.

Sports

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

Football team loses first UAA contest

Washington University's hopes for a first unbeaten University Athletic Association (UAA) football season slipped away Saturday, Oct. 19, as perennial league power Carnegie Mellon University (Pittsburgh) defeated the Bears 20-13 at Francis Field. The Bears have lost three-consecutive games after opening the season with three victories. The Bears, the pre-season UAA favorite, must win their next two games to earn a share of a third-consecutive league championship. On his first completion of the game, junior quarterback Thor Larsen became the Bears' all-time leader in passing yardage, surpassing Aaron Keen (1990-93), who totaled 4,329 yards during his career. Larsen now has 4,453 all-time passing yards.

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

This week: 1 p.m. (EDT) Saturday, Oct. 26, at University of Rochester (N.Y.)

Men's soccer suffers its first league loss

Enduring its first-ever defeat to the University of Chicago on Saturday, Oct. 19, the men's soccer team fell for the fourth time in its last nine games and dropped its first UAA match of the year. Trying to earn their seventh-straight NCAA bid, the Bears now face "must-win" situations in their final six games to keep their postseason hopes alive. The Bears, who had beaten Chicago in all 17 previous meetings; lost 2-1 to the Maroons. Prior to the Chicago loss, David Katz and Greg Rheinheimer each scored a goal as the Bears defeated Maryville University (St. Louis) 2-0 on Wednesday, Oct. 16.

Current record: 8-4-1 (2-1-1 UAA)

This week: 7:30 p.m. Friday, Oct. 25, vs. Brandeis University (Waltham, Mass.), Francis Field; 1:30 p.m. Sunday, Oct. 27, vs. University of Rochester, Francis Field

Women's soccer squad defeated by Chicago

The women's soccer team had its record-setting offensive pace slowed a bit as the Bears suffered their first

shutout of the season, falling 1-0 to the University of Chicago in a UAA match Saturday, Oct. 19, at Francis Field. Earlier in the week, the Bears defeated MacMurray College (Jacksonville, Ill.) 8-0 behind junior Lynn Stoehr's six points (two goals, two assists). Freshman Rachel Sweeney scored twice against MacMurray to break the single-season record for goals (15) and points (39), while junior Vanessa Young became the school's all-time assist leader (18).

Current record: 11-3-0 (2-2-0 UAA)

This week: 5 p.m. Friday, Oct. 25, vs. Brandeis University, Francis Field; 11 a.m. Sunday, Oct. 27, vs. University of Rochester, Francis Field

Volleyball team nets win-streak milestone

The streak continues. The volleyball team reached a historic milestone after a 5-0 weekend performance in the Washington U. Classic. The Bears' 3-1 victory Saturday, Oct. 19, against Illinois College (Jacksonville) pushed their NCAA-record home winning string to 100 victories. Sophomore middle blocker Jennifer Martz hit .476 for the weekend and was named the tournament's Most Valuable Player, while senior outside hitter Nikki Holton joined Martz on the all-tournament team. The Bears will put an all-time UAA mark of 107-1 on the line Nov. 1-2 when they travel to Atlanta for the UAA Championships.

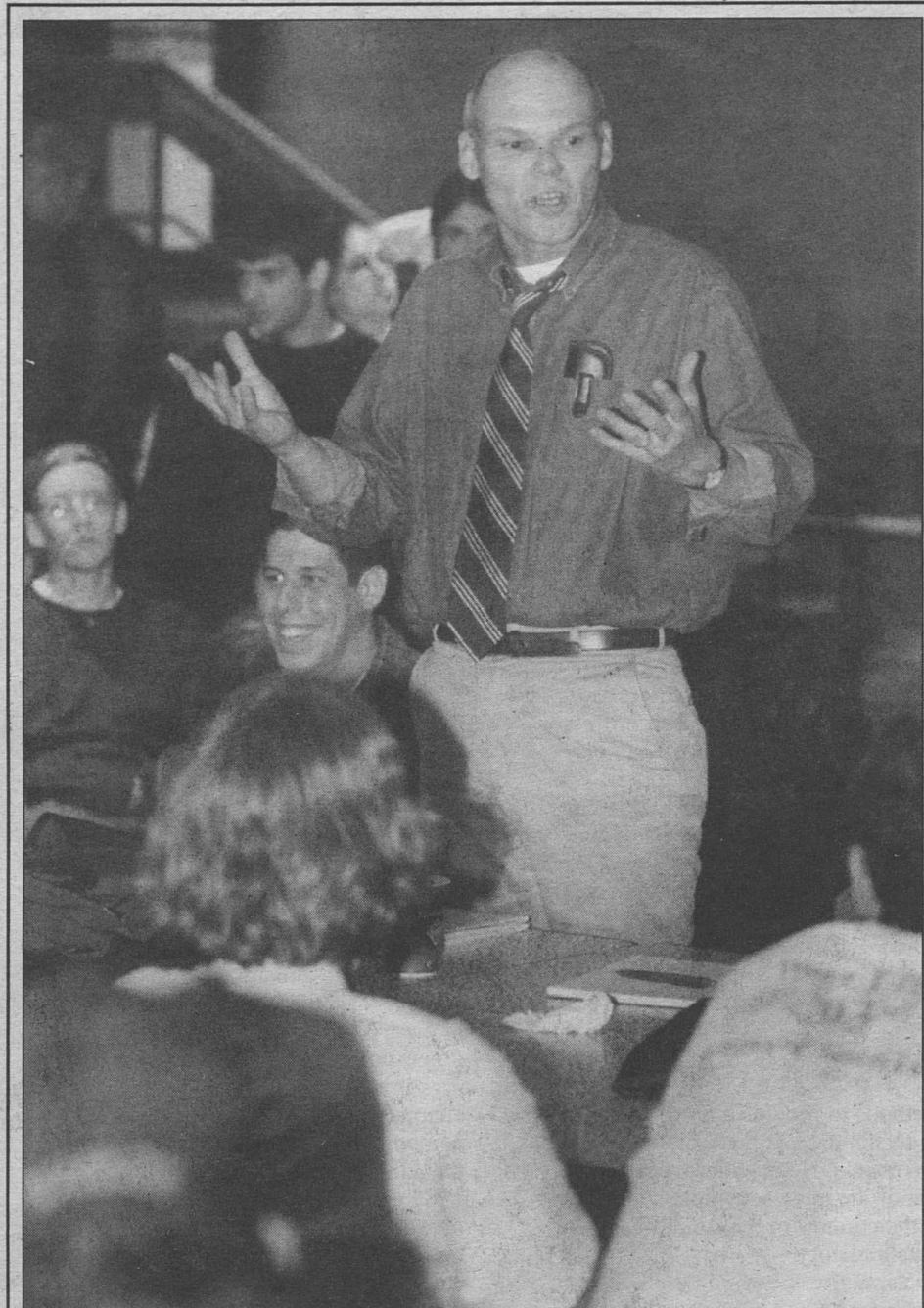
Current record: 26-5 (7-0 UAA)

Women top UAA cross country field

Sophomore Emily Richard earned medalist honors for the third time this season and helped the women's cross country team win its fourth UAA title. Richard covered the Forest Park course in 18 minutes, 18.57 seconds, bettering the second-place finisher by six seconds. The Bears have claimed two of the last three UAA crowns. Senior Asa Flanigan finished sixth to lead the men to a best-ever second-place team showing. Flanigan ran the course in 25:27.85 as the Bears finished second behind seven-time champion University of Rochester. WU runs Saturday, Nov. 9, in Rock Island, Ill., at the NCAA Division III Midwest Regional Championships.

Watch next week's Record

A story on the recipients of the Distinguished Alumni awards and the Robert S. Brookings Award will appear in the Oct. 31 Record.



The return of the 'Ragin' Cajun'

James Carville, the 1992 presidential campaign manager for Democrat Bill Clinton, made his second Washington University appearance in less than three weeks when he addressed the Undergraduate Political Science Association on Oct. 11 in The Gargoyle in Mallinckrodt Center. For 90 minutes, Carville combined his home-spun Louisiana charm with hard-edged political commentary in an informal give-and-take session with about 250 students. Carville emphasized the value of political involvement in a democracy, saying: "If you want to find a reason to not be a part of the system, if you want to find a reason to be discouraged and cynical, you can find 1,000. My point to you is if you want to find a reason to be involved in the system, if you want to find a reason to be skeptical yet optimistic, you can find 1,100. And that's all that this wonderful thing called democracy can do for us."

Campus Watch

The following incidents were reported to the University Police Department from Oct. 14-20. 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. 14

2:28 p.m. — A student reported damage to the rear passenger-side door of a vehicle parked in the Millbrook Boulevard garage.

Oct. 15

9:32 a.m. — A student who reported losing a University identification card in 1995 recently reported that someone apparently used the I.D. to obtain a credit card in the student's name and charge \$300.

Oct. 16

8:18 a.m. — A student reported that an unlocked bicycle was stolen from a bike rack near Olin Library. Later that morning, a local bicycle store reported that someone was attempting to sell the bike to the store.

University City police arrested the subject, and the bike was returned to the student.

Oct. 19

11:56 a.m. — A non-student was arrested for alleged shoplifting in the Campus Bookstore in Mallinckrodt Center.

10:30 p.m. — Marriott Management Services Corp. reported that a set of manager's keys were stolen from Wohl Student Center.

11:47 p.m. — The Clayton Fire Department extinguished a leaf fire at Kelly Baseball Field.

University Police also responded to two reports of vandalism and one report of telephone harassment.

Black Arts and Sciences Festival features noted ethnomusicologist

Noted ethnomusicologist Portia K. Maultsby, Ph.D., will discuss "African-American Music: Its Cultural and Socio-political Significance in the 20th Century" as part of the Assembly Series and the Black Arts and Sciences Festival. Her lecture, which begins at 11 a.m. Wednesday, Oct. 30, in Graham Chapel, will include a slide presentation and a brief video and is free and open to the public.

Maultsby's work has centered on black religious and popular music and their relationship to each other and to African traditions. As a professor of Afro-American studies and an adjunct professor of music at Indiana University, Maultsby teaches historical and theoretical courses on African-American music. During her career, Maultsby has been published widely in music journals and in books on ethnicity and African-American music.

Maultsby also has served as a consulting scholar for a number of documentaries, including the Public Broadcasting Service's "Eyes on the Prize II" and the National Afro-American Museum's "Black Music as Metaphor." She also served as a consulting scholar for the 13-part radio series "Black Radio: Telling It Like It Was" and the 26-part radio series on gospel music titled "Wade in the Water."

Maultsby received a master's degree in musicology and a doctorate in ethnomusicology from the University of Wisconsin in Madison.

Maultsby's lecture is part of a weeklong series of activities marking the University's annual Black Arts and Sciences Festival. This year's festival theme is "Compositions From the Soul of Blackness."

The festival begins Sunday, Oct. 27, with a "Gospelfest" at 4:30 p.m. in Graham Chapel. The featured guest is the

Gospel Choir from the University of Missouri in Columbia.

At 7 p.m. Monday, Oct. 28, there will be a program titled "From Africa to the Apollo," which will review the evolution of black music. The program will be in Simon Hall's May Auditorium.

Two programs are scheduled for Tuesday, Oct. 29.

"Back to Birdland: A Jazz Retrospective," which begins at 7 p.m. in Lambert Lounge, Room 303 Mallinckrodt Center, will focus on jazz in America and its impact on society. An "African Marketplace" from 11 a.m. to 1 p.m. in Bowles Plaza outside Mallinckrodt Center will offer dancing and drumming by Taifa/Afi-Ama and the opportunity to sample African cuisine and shop for unique items.

There will be a coffeehouse from 8 to 10 p.m. Wednesday, Oct. 30, in The Gargoyle in Mallinckrodt Center. The event will feature reggae music by Infra-red Rockers.

At 7 p.m. Thursday, Oct. 31, there will be an interactive discussion with faculty, students and community leaders on "The Political Implications of Rap/Hip-Hop" in Friedman Lounge in Wohl Student Center.

On Friday, Nov. 1, there will be a talent show beginning at 8 p.m. in The Gargoyle in Mallinckrodt Center.

A semi-formal is scheduled for Saturday, Nov. 2.

The Black Arts and Sciences Festival events, except the semi-formal, are free and open to the public. For more information about the festival, call (314) 935-5994. For more information about Maultsby's lecture, call (314) 935-5285.



Portia K. Maultsby

Jay Wright's poetry focus of symposium

The Washington University community is invited to join a celebration of the work of African-American poet Jay Wright during a Nov. 1-2 symposium titled "Jay Wright: Dimensions of History."

Sponsored by Washington University Libraries' Department of Special Collections, the symposium will feature Wright and a panel of authors, literary critics and poets who will explore Wright's densely textured poetry and drama in a series of lectures and poetry readings and a panel discussion.

Wright has been called one of the country's most eloquent and powerful voices. He is the author of six books of poems and is the recipient of a Guggenheim Fellowship, an Ingram Merrill Foundation Award and a MacArthur Fellowship. Wright summed up his own work when he responded to a young man who had attended one of his readings. "(He said) that I seemed to be trying to weave together a lot of different things," Wright recalled. "My answer is that they are already woven; I'm just trying to uncover the weave."

The symposium schedule is as follows:

Nov. 1

3 p.m. **Graham Chapel** — Lecture by Harold Bloom, the Sterling Professor of Humanities at Yale University and the Berg Professor of English at New York University.

Liederabend highlights lesser-known composers

The public is invited to a performance of seldom-heard German songs with commentary at this year's Liederabend at 4 p.m. Sunday, Oct. 27, in Steinberg Hall Auditorium.

The annual event is co-sponsored by the departments of Music and Germanic Languages and Literatures, both in Arts and Sciences. The event is free.

This year's Liederabend will feature music by several lesser-known German composers, including Carl Loewe, Othmar Schoeck, Ferruccio Busoni and Hanns Eisler, with texts by Bertolt Brecht, Goethe Lieder and others.

The featured performers are bass vocalist Myron Myers, instructor of

music at Northern Illinois University in DeKalb, and pianist Seth Carlin, professor of music at Washington University. Commentary on the texts will be given by Paul Michael Lützel, Ph.D., the Rosa May Distinguished University Professor in the Humanities in Arts and Sciences.

Myers has sung numerous operatic roles for bass and has appeared with major orchestras across the country, including the Saint Louis Symphony Orchestra. Carlin is a frequent soloist on piano and fortepiano throughout the St. Louis area and last spring was a soloist with the renowned Philharmonia Baroque of San Francisco during its West Coast tour.

For information, call (314) 935-5581.

University Police issues two crime alerts

University Police is notifying the University community about several incidents of indecent exposure that have occurred on or near the Hilltop Campus.

The most recent incident occurred Oct. 12. On that day, a female student was walking to her car near Givens Hall when she observed a male standing near another car. While driving to her off-campus apartment, the student noticed that the male was following in his car. The subject then walked up to the apartment door and exposed himself.

The suspect is described as a male in his late 20s or early 30s, black, thin to medium build, with short or shaved hair. The suspect drives a large blue or gray four-door car.

University Police also reports that a strong-arm robbery occurred Thursday, Oct. 17, near Forsyth Boulevard and Houston Way. A female student who was waiting to catch a shuttle was approached from behind by two black males who attempted to take her backpack. A struggle ensued, and the suspects gained control of the backpack and fled west on Forsyth. The student chased the suspects, who then were joined by two other black males near Mallinckrodt Center.

The four males then fled across Forsyth and behind Stix International House. The student was not injured. The backpack contained books and study materials but did not contain valuable items or identification.

For The Record

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

Of note

Bradley A. Evanoff, M.D., assistant professor of medicine, received a \$479,317 five-year grant from the National Institute of Environmental Health Sciences for a project titled "Academic Award in Environmental/Occupational Medicine." ...

Fiona H. Levy, M.D., instructor in pediatrics, received a \$317,344 four-year grant from the National Heart, Lung and Blood Institute for a project titled "Characterization of a Hypoxia-regulated Gene." ...

Michael A. Province, Ph.D., associate professor of biostatistics, received a \$1,923,762 four-year grant from the National Heart, Lung and Blood Institute for a project titled "FHS: Molecular Genetics and Genetics Epidemiology-CC."

Speaking of

Karen L. Brock, Ph.D., associate professor of art history and archaeology in Arts and Sciences, presented an invited paper Oct. 7 titled "Don't Make Me an Icon" — Winter 1203, Kasuga to Myoe" for a colloquium at the Center of Japanese Studies at the University of California, Los Angeles. ...

Robert R. Henke, Ph.D., assistant professor of comparative literature and of drama in Arts and Sciences, recently delivered a lecture titled "The Poetics of Orality in the 'Commedia dell'Arte'" at Villa I Tatti, the Harvard Center for Italian Renaissance Studies, where he was a fellow in 1995-96. Henke also was invited to the Leopold-Franzens-Universität in Innsbruck, Austria, to give a talk titled "Print, Performance and the Presence of Orality in the 'Commedia dell'Arte.'" ...

Several political science in Arts and Sciences faculty members presented papers at the 92nd annual meeting of the American Political Science Association held Aug. 29 to Sept. 1 in San Francisco. Presenters included **Arnold J. Heidenheimer**, Ph.D., professor, on "German, Swiss and Japanese Education Policies in the Web of Equality Domains";

Jack Knight, Ph.D., associate professor, on "What Sort of Political Equality Does

Democratic Deliberation Require?"; **Fiona E.S. McGillivray**, Ph.D., assistant professor, on "The Political Geography of Interest Group Behavior"; **Robert H. Salisbury**, Ph.D., the Sidney W. Souers Professor of American Government, with graduate student **Lauretta Conklin**, on "Instrumental vs. Expressive Group Politics: The National Endowment for the Arts"; and **Serenella Sferza**, Ph.D., assistant professor, on "Strong Cleavages and Weak Parties: French Socialism and the Missing Cleavage of French Politics." ...

Kristin E.S. Zapalac, Ph.D., assistant professor of history in Arts and Sciences, presented a talk titled "Homing in on Early Modern Germany" at the annual meeting of the German Studies Association held this month in Seattle. Her talk was given in a session commemorating the 25th anniversary of the publication of Mack Walker's "German Home Towns." Zapalac also chaired a session on "Speaking and Writing About Relationships of Subordination" at the conference.

To press

A book by **Udo Kultermann**, the Ruth and Norman Moore Professor Emeritus of Architecture, titled "The History of Art History," recently was translated into three languages. The new translations include a German edition published by Prestel in Munich; a Japanese translation by Shokukusha Publishing Co. in Tokyo; and a Spanish translation by Akal in Madrid. In addition, a revised edition of his book "A Concise History of Art Theory" is in preparation with the publisher Wissenschaftliche Buchgesellschaft in Darmstadt, Germany. ...

A full-page article by **Steven W. Lawler**, S.T.M., lecturer in religious studies in Arts and Sciences, titled "Why the Right Has Might," recently was published in *The Church Times*, the official newspaper of the Church of England. Lawler also has been asked to be the publication's American columnist.

On assignment

Merton C. Bernstein, L.L.B., professor of law, was appointed by St. Louis Mayor Freeman R. Bosley Jr. to the St. Louis Board of Health for a term ending in 1999. ...

Ronald G. Evens, M.D., the Elizabeth E. Mallinckrodt Professor and head of the

Department of Radiology and director of the Mallinckrodt Institute of Radiology, was elected chairman of the Board of Chancellors for the American College of Radiology during the organization's annual meeting Oct. 1 in San Antonio. In addition, named fellows of the college were **Robert G. Levitt**, M.D., associate professor of radiology; **Hsiu-san Lin**, M.D., Ph.D., professor in the Division of Radiation Oncology and associate professor of molecular microbiology; and **William D. Middleton**, M.D., associate professor of radiology. ...

Wendy Hyman-Fite, director of the English as a Second Language program, was invited to serve as a commentator on the language and culture of newsrooms and news managers during a seminar titled "Newsroom Management." The seminar, held in September in St. Louis,

was sponsored by the Poynter Institute for Media Studies in St. Petersburg, Fla. ...

Joan E. Test, Ed.D., director of the Nursery School and adjunct assistant professor of education in Arts and Sciences, presented a poster titled "Transfer of Early Communication Strategies Between Settings" at the International Congress for the Study of Child Language held last summer in Istanbul, Turkey.

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.

University Libraries receives \$4 million gift

Washington University Libraries has received a \$4 million bequest from Philip Mills Arnold, an alumnus of the School of Engineering and Applied Science and a veteran supporter of University Libraries.

For almost 40 years, Arnold gave generously to the libraries' Department of Special Collections. He began collecting rare books as an undergraduate at the University, and his interest — and collection — grew during his worldwide travels as vice president for research and development for Phillips Petroleum Co.

It was fitting, he once said, that what had "its inception and inspiration here should ultimately find its way back to Washington University, to find there a home."

Thus, in 1966, the Philip Mills Arnold Semeiology Collection was established at the University. This body of material relating to the study of signs and symbols continued to be supplemented by Arnold's gifts.

In addition, Arnold built other distinguished collections, including early books

on comets and early editions of the medieval philosopher Beothius. Upon Arnold's death in 1995, the libraries received the bequest, as well as his entire estate.

Said Shirley K. Baker, vice chancellor for information technology and dean of University Libraries, "We are delighted to receive this major gift, the income of which will be used to maintain and augment the Arnold Semeiology Collection and to support other activities within Special Collections and in Washington University Libraries as a whole."

The Department of Special Collections is planning an exhibition of books and manuscripts drawn from the semeiology collection. The resulting exhibition catalog will be made available in paper and electronic form, accessible by students and scholars worldwide in word and image through the World Wide Web at <http://library.wustl.edu/~spec/rarebooks/semeiology.html>.

For more information, call Kevin Ray, head of Special Collections, at (314) 935-5487.

Questions to be answered at Health Fair '96

What is my blood pressure? Do I need a flu shot? I'm "down," but how do I know if I'm depressed? How much calcium do I need in my diet?

Answers to these questions and many more can be found at Health Fair '96. The event will take place from 9 a.m. to 4 p.m. Thursday, Oct. 24, in the lower level of Mallinckrodt Center.

Organized by the Student Health Service and Student Health Advisory Committee, Health Fair '96 will feature more than a dozen educational "stations" — with most being free of charge.

Among the stations (with costs in parentheses): Nutrition-Body Fat Assessment; Smoking, Alcohol and Drug Cessation; Blood Pressure/Heart Rate; Cholesterol Evaluation (\$4); Postural Grid Analysis; Safe Sex and Condoms; Self Testicle Exam; Earthquake, Fire and Tornado Safety; Influenza Immunization (\$10); Eating Disorder Screening; Self Breast Exam; Depression Screening; and Cholesterol Evaluation/HDL (\$9).

For more information, call (314) 935-6656.

Obituaries

Constance Urdang: poet, novelist, teacher

Constance Urdang, a nationally recognized poet and novelist, died of complications from lung cancer Tuesday, Oct. 8, 1996, at Barnes-Jewish Hospital. She was 73.

Urdang's first association with Washington University came in 1974, when she served as an instructor in advanced



Constance Urdang

exposition in University College in Arts and Sciences and in the Writing Workshops for Women program in the School of Continuing Education. She also coordinated the Writers' Program from its

inception in 1977 until 1989. From 1989-90, Urdang was a lecturer in English, and in 1991, she taught in University College. Urdang's husband of 40 years, poet Donald Finkel, is a professor emeritus of English in Arts and Sciences.

Born and reared in New York, Urdang received a bachelor's degree, cum laude, from Smith College in Northampton, Mass. She earned a master's degree in fine arts from the University of Iowa.

Urdang's earliest published work was a Christmas poem that appeared in a national children's magazine when she was 8 years old. Her most recent books

are short novels titled "American Earthquakes," "The Woman Who Read Novels" and "Peacetime." A book of poems titled "Alternative Lives" was published in 1990.

Urdang found the building stones for her work close at hand. She reported, for example, of an evening at Frank 'n' Helen's restaurant and an arrival at the airport. She studied gray cats and ghost-pale moons.

Poet-anthologist Edward Field said of her work: "Impressive, passionate and perceptive, tough and tender. It's lovely to watch her working at her art, at the craft of it, letting out all the emotional stops."

Although Urdang fretted at times that she had no readers, her work received serious attention. She received the Oscar Williams and Gene Derwood Award, a \$15,000 prize given to poets and artists for the past 25 years. She also received such prestigious prizes as the Delmore Schwartz Memorial Poetry Award and the Carleton Centennial Award for Prose. In 1976, she was the recipient of a National Endowment for the Arts Creative Writing Fellowship.

Urdang is survived by her husband; two daughters, Liza Finkel of Sanford, Maine, and Amy Finkel of St. Louis; a son, Tom Finkel of Miami; and a brother, Laurence Urdang of Old Lyme, Conn.

Memorial contributions may be made to the Lung Association of Eastern Missouri or to the American Cancer Society.

Campus Artists

The following is a recent release available at the Campus Bookstore in Mallinckrodt Center on the Hilltop Campus. For more information, call (314) 935-5500.

The tumultuous dual life and works of renegade French poet Arthur Rimbaud (1855-1891) serve as inspiration for a recently released compact disc of music by Harold Blumenfeld, professor emeritus of music in Arts and Sciences.

The disc includes four works: "La face cendrée" (the disc's title work), "Ange de flamme et de la glace," "Carnet de damné" and "Illuminations — Symphonic Fragments After Rimbaud."

The works on the disc run the gamut from chamber music with voice to full orchestral settings, all centering on the poetry of the teen-age iconoclast. Various musical elements from these pieces were incorporated into Blumenfeld's opera "Seasons In Hell," which debuted to rave reviews and sold-out houses last February in Cincinnati.

The opera recounts Rimbaud's life, from his brilliant and debauched youth as iconoclastic poet to his ill-fated adventures as a gun runner in Ethiopia.

Born in Seattle but a longtime St. Louis resident, Blumenfeld taught in the Department of Music from 1952 to 1989. Blumenfeld soon will start work on his next opera, of which he will only say: "It's another wild opera. This time about a wild woman of the Renaissance." [*Centaur CRC2277 (Qualiton)*]



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.

News Writer/Assistant Editor 970041. Office of Public Affairs. Requirements: bachelor's degree in journalism or communications; two years professional journalism experience preferred. Résumé and three non-returnable writing samples required.

Senior Associate 970067. Center for the Application of Information Technology. Requirements: bachelor's degree, advanced degree preferred; excellent presentation and facilitator skills; teaching experience strongly preferred; substantial experience in developing and delivering educational and training programs; excellent verbal and written communication skills; experience and/or education in computing and information systems, networking and telecommunications; industry experience preferred. The senior associate is expected to assume responsibility for a variety of center activities, including seminar workshops and partnership programs with member companies, and is expected to perform with minimal professional guidance and to demonstrate substantial initiative in assigned responsibilities and in proposing new activities. Application required.

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.

Library Technical Assistant (Audio-Visual/Reserve) 970086. Olin Library. Requirements: two years of college or equivalent work experience; relevant library or audio-visual work experience preferred; computer and word processing skills; typing 30 wpm; familiarity with line system and its automated circulation component preferred; ability to work well and communicate well with a diverse staff and user population; ability to work with details in an organized manner; maturity; dependability; ability to work under pressure; ability to work independently and to organize work flow; physical stamina, including ability to lift boxes, move materials and transport media equipment; flexibility; adaptability. Application required.

Curator, Modern Literature Collection/Manuscripts 970087. Olin Library. Requirements: master's degree or doctorate 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, preferred; familiarity with trends in archival automation; knowledge of current manuscript preservation practices; special collections experience; manuscript reference experience preferred; 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.

Reference Assistant 970098. Olin Library. Requirements: four years of college, degree preferred; library public service experience and/or courses in librarianship preferred; ability to respond to the public in a helpful and courteous manner; ability to work independently with minimal supervision; ability to organize work and to handle detailed work with accuracy; experience using microcomputers, especially word processing; ability to type quickly and accurately; experience in using the Internet, especially the World Wide Web, preferred; ability to work under pressure and to adjust to a fluctuating academic schedule, which may include evening and weekend hours; science or engineering background desirable. Application required.

Interlibrary Loan/Document Delivery Assistant 970102. Olin Library. Requirements: two years of college; library experience or courses in librarianship; working knowledge of computers and fax machines; ability to organize work flow and perform detailed work with accuracy; legible handwriting; reading knowledge of foreign languages helpful; familiarity with major bibliographic sources helpful; ability to work independently with minimal supervision; ability to work well with others and to respond to the public in a courteous and helpful manner; ability to work under pressure; willingness to work afternoons and evenings. 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 university accounting systems preferred; ability to work with details in an organized way; ability to work independently and organize work flow; ability to type accurately and at a reasonable speed (40-45 wpm); ability to interact with other library units and departments and with outside vendors; good written and verbal communication skills; knowledge of automated systems, preferably FIS; familiarity with PCs and Excel and Microsoft Word helpful; physical stamina. Application required.

Administrative Specialist (Professional Clerical I) 970106. Earth and Planetary Sciences. Requirements: five years general office experience; proficiency with advanced word processing software, WordPerfect 6.0 and Microsoft Word 6.0 preferred; experience with MS-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; commitment to user support to develop and manage ASCC network resources. Responsibilities include World Wide Web development; user account maintenance; network management; joint management of the center's Sun systems; 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 who are 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/wumshr>.

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.

Clerk II 960991-R. Ophthalmology. Requirements: high school graduate or equivalent; experience in a patient office. Responsibilities include scheduling appointments, surgeries, diagnostic tests and admissions. Schedule: part-time, 20 hours per week.

Secretary 961092-R. Budget Office. Requirements: high school graduate or equivalent, bachelor's degree preferred; three to five years experience in a business environment; ability to use PC spreadsheet and word processing software, to manage multiple tasks and to work effectively with all levels of staff.

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 rDNA 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.

Administrative Coordinator, Accounting 970167-R. Internal Medicine. Requirements: experience in accounting/bookkeeping and payroll, preferably Washington University payroll experience; account-analysis skills; 10-key proficiency; spreadsheet formulation and manipulation skills; budgeting experience preferred; experience with Excel and Word and Macintosh computers; attention to detail; superb customer-service skills. Responsibilities include coordinating payroll for all divisions within Internal Medicine; reviewing and approving payroll for the

department; entering and approving appointments for bi-weekly, monthly and annual payroll; providing budgeting support; and producing monthly and quarterly analysis reports.

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 include 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.

Network Support Technician 970281-R. Psychiatry. Requirements: related college degree and one year experience with Novell, Compaq, Apple, Notes, GroupWise, Microsoft Office and the Internet; self-motivated; team player; excellent technical, troubleshooting, organizational and communication skills; ability to work independently on network projects and on desktop maintenance and troubleshooting.

Financial Analyst 970306-R. Radiology. Requirements: bachelor's degree in accounting/business; master's degree in business administration or certified public accountant is a plus; five years experience in a computerized accounting environment; strong computer skills, including Lotus, Excel, networking and graphics; strong interpersonal skills; attention to detail; health-care experience.

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 Washington 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; preparing budgets.

ATM sharing 'fills an important need' — from page 1

bit network kits and conduct twice-yearly workshops in which researchers using the kits will report on their work.

"Our goal with this program is to distribute copies of the system to other institutions in an open research program where both universities and industry can benefit," Turner said.

He noted that a recurrent network research quandary is the situation in

which the tasks researchers want to pursue are difficult or impossible with commercial systems because vendors can't provide the kind of technical information that's needed without revealing proprietary information they believe must be kept confidential.

"Researchers need a complete and detailed understanding of the systems they work with, and vendors typically won't provide the information they need," Turner said. "In addition, researchers often want to replace the software that vendors provide for their systems with experimental software that uses the system in unconventional ways to solve problems that haven't been anticipated by the vendors. We think this program fills an important need."

While it may appear that the Washington University/NSF effort is competitive with the computing industry, Turner said there is instead lots of industry support for the program.

"Most companies we've talked to think this is great," he said. "It allows the university research community to get involved in networking research in a way that's very difficult for them now, and for companies interested in selling high-

performance network equipment, this stimulates development of new ideas and shows people in the community what the possibilities really are. This stimulates further developments and spurs the growth of the market."

Last July, Turner, Parulkar and senior research associates Thomas Chaney and John DeHart held a workshop to explain the proposed program to 60 researchers

"Our goal with this program is to distribute copies of the system to other institutions in an open research program where both universities and industry can benefit."

— Jonathan S. Turner

nationwide and to gauge the interest in the program. The response was enthusiastic, with 22 of the researchers sending letters of support for the Washington University proposal to the NSF.

ATM is only one of several technologies competing with and complementing one another in corporate and public communications networks

worldwide. While ATM does not enjoy an uncontested place in the market, it generally is expected to play a central role in future networks along with more conventional Internet routers and new local area network technologies like the fast Ethernet.

Turner and his colleagues have designed their technology to support a wide range of research agendas in networking, distributed systems and high-performance computing.

"Even researchers with little or no interest in ATM will find this a potentially useful research platform," Turner said. "The key is that it is open to modification and new uses so the research community can take it in new directions that we can't foresee."

— Tony Fitzpatrick

Parents Weekend '96 kicks into gear Oct. 25

Expect some fast and furious room cleaning on Thursday, Oct. 24 — Parents Weekend 1996 begins the next morning.

The three-day program, which kicks off with an 8:30 a.m. registration on Friday, Oct. 25, is aimed at giving parents the opportunity to learn more about their students' lives at Washington University.

The schedule is packed with an array of activities, from "open" classes to campus and city tours to art, music and fashion shows.

On the agenda for Saturday, Oct. 26, is an 8:45 a.m. presentation in The Gargoyle in Mallinckrodt Center by Karen Levin

Coburn, associate dean of student affairs. The presentation is titled "Your College Student: In and Out of Your Life."

Coburn, author of "Letting Go: A Parents' Guide to Today's College Experience," will discuss the delights and dilemmas of parents visiting campus and students returning home for vacations.

Also on Saturday, Chancellor Mark S. Wrighton will give the Chancellor's Welcome at 10 a.m. in Edison Theatre. At that time, Victor T. Le Vine, Ph.D., professor of political science in Arts and Sciences, will deliver a lecture titled "Is Peace Inevitable in the Middle East?"

For information, call (314) 935-7557.