

Washington University School of Medicine

**Digital Commons@Becker**

---

Washington University Record

Washington University Publications

---

10-14-1993

## Washington University Record, October 14, 1993

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

---

### Recommended Citation

Washington University Record, October 14, 1993. Bernard Becker Medical Library Archives.  
<https://digitalcommons.wustl.edu/record/632>.

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 [vanam@wustl.edu](mailto:vanam@wustl.edu).



## Faculty: Education key to NIS' success

As Washington University prepares to host a major conference on bringing democracy and free markets to the former Soviet Union, faculty here say that university exchange programs can play a key role in the process.

"An educational system that doesn't have an axe to grind can provide incredible support to this effort," says Murray L. Weidenbaum, Ph.D., Edward Mallinckrodt Distinguished University Professor of economics and director of the Center for the Study of American Business. "We need to send our people there and bring their people here. It has to be a two-way street."

The conference, sponsored by House Majority Leader Richard Gephardt and Joseph Duffey, director of the U.S. Information Agency, will bring hundreds of top business and government dignitaries to campus on Oct. 15-16. They will meet for daylong panel discussions with leaders from the New Independent States of the former Soviet Union (NIS). The conference is titled "Partnership for Progress, US-NIS Conference on Democracy and the Market Economy."

Keynote speakers include Sen. Bill Bradley of New Jersey, Commerce Secretary Ron Brown and U.S. Ambassador-at-Large Strobe Talbott. Also expected are House Minority Whip Newt Gingrich, former Sen. Gary Hart and Export-Import Bank chairman Ken Brody. Some 30

political and business leaders from the NIS will discuss potential ties with executives from dozens of top American corporations.

Paul Michael Lützel, Ph.D., professor of German and director of the European Studies Program at Washington University, sees the conference as a step in the right direction.

"It's encouraging to see that the federal government, members of the Senate and the House of Representatives, along with civic leaders, educators and the business

community are discussing the question of how to improve business relations with the NIS," says Lützel. "Actions like these are necessary to improve and stabilize the cultural, economic and political situation in Eastern Europe and the NIS. And it is wonderful that St. Louis, the 'Gateway to the West,' has the opportunity to become — metaphorically speaking — a gateway to the East."

Lützel is a co-founder and executive committee member of the International

Center at the University of Tübingen in Germany. Washington University and five other American universities send faculty to the center to teach summer seminars on business, economics, law and social sciences to young professors from the NIS and other Eastern European countries.

Washington University is active in a diverse range of exchange and advising programs with the NIS and Eastern Europe. Faculty and students in these programs

Continued on page 6

## ACLU president, law professor discuss free speech, pornography

Nadine Strossen, president of the American Civil Liberties Union (ACLU), and Kathleen Mahoney, professor of law at the University of Calgary in Alberta, will keynote the 1993 Mr. and Mrs. Spencer T. Olin Conference at 11 a.m. Wednesday, Oct. 20, in Graham Chapel. The conference, titled "Pornography and Free Speech: What Are the Stakes for Women?" is co-presented by The Monticello College Foundation and Washington University.

The lecture is part of the Assembly Series and is free and open to the public.

Strossen, a Harvard Law School graduate, is a constitutional scholar with a keen

interest in the First Amendment. She teaches constitutional law, international human rights and appellate advocacy at New York Law School where she is professor of law, and international business at Columbia University Graduate School of Business where she is adjunct professor. In 1991 she was elected the first female president of the ACLU.

**Nadine Strossen**

Mahoney argued on behalf of the Women's Legal Education and Action Fund before the Canadian Supreme Court in the landmark obscenity case *R. v. Butler* and in the landmark hate propaganda case *Keegstra v. The Queen*. She is co-editor, with Paul J. Mahoney, of *Human Rights in the Twenty-First Century: A Global Challenge*.

As part of the Olin conference, Strossen and Mahoney will participate in a panel discussion at 2 p.m. Oct. 20 in the Women's Building lounge. A reception

Continued on page 5



Deena Lewis, a first-year business major, volunteered at the Cochran Community Center in downtown St. Louis, where she passed out roller skates and helped youngsters learn to skate. She was one of 63 Washington University students who participated in Into the Streets, a national program designed to give students a taste of volunteerism.

## 'Into the Streets'

### Program introduces Washington students to community service

As managing editor of Student Life, Adam L. Stanley's world is usually consumed by newsprint, news stories and frantic reporters.

But on Oct. 2, Stanley entered a different dimension: the world of Barney the dinosaur. The junior finance major from Chicago donned a Barney costume to thrill the youngsters attending the OctoberFest carnival, sponsored by Operation Food Search and Commerce Bank, in south St. Louis County. Stanley was one of 63 Washington University students who volunteered at area organizations as part of Into the Streets, a national program designed to introduce students to community service and provide them with challenging learning experiences.

Into the Streets offers students volunteer opportunities relating to animal protection, children, AIDS, hunger and homelessness, women, the environment and, this year, flood relief. In addition to Operation Food Search, the participating organizations included Food Outreach/St. Louis Effort for AIDS, Cochran Community Center, Wild Canid Survival and Research Center

(Wolf Sanctuary), Animal Protective Association, ECHO Emergency Children's Home and the St. Louis Abused Women's Support Project.

Into the Streets, which is in its third year, is coordinated by students. This year Theresa M. Seaworth, a junior engineering major, and Renee A. Frederickson, a senior pre-med major, are serving as program co-chairs. In addition, students serve as coordinators of the seven volunteer areas. As part of the program's follow-up policy, in November students will get a chance to

return to the same agencies to help out, or they may choose different organizations. The full Into the Streets program is offered twice a year and will be presented again in February 1994.

By participating in Into the Streets, students develop a "better understanding of how issues affect children and adults and of how issues are interrelated," said Kim Elliott, the assistant director of student activities who, along with alumnus Paul Nagle, developed the program at Washing-

Continued on page 8

## In This Issue...

**A piece of the puzzle:** A mouse disease study gives scientists new information about AIDS Page 2

**'A matter of life and death':** Stanley Korsmeyer's research focuses on how leukemias and lymphomas get their deadly start Page 3

**'Ike's Place':** Students name renovated gathering space after Isaac Conner, the night manager at Wohl Center Page 6



# Medical Update

## Mouse study could help scientists understand AIDS

Investigators at the School of Medicine have found that a protein essential for normal immune system function also is necessary for development of an AIDS-like disease in mice. This finding was reported in the Oct. 7 issue of the journal *Science*.

Without the immune system protein IL-4, mice become resistant to murine acquired immunodeficiency syndrome (MAIDS), a disease that causes symptoms similar to human AIDS, the investigators found. By helping to explain how MAIDS interacts with the immune system, the findings may lead scientists to a better understanding of AIDS in humans, said lead author Osami Kanagawa, M.D., Ph.D., a research associate professor of pathology and medicine. Kanagawa conducted the work with colleagues at Washington University and the Max Planck Institute for Immunobiology in Germany. The study was funded by the National Institutes of Health.

Although MAIDS is not considered a direct model for AIDS, the diseases may share deadly tactics that make comparisons worthwhile, Kanagawa said. Both are retroviruses, and both induce changes in immune system activity that gradually render the virus carrier unable to fight infection. The viruses differ in that MAIDS is a mouse disease that primarily infects the immune system's B cells, whereas AIDS infects only human T cells.

IL-4 is one of a family of chemical messengers, called cytokines, that regulate the immune system. Scientists have been interested in IL-4 because it stimulates the so-called Th2 response, the type of immune system activity that is thought to survive longer than other immune defenses as MAIDS progresses. The Th2 response focuses mainly on antibody production. Because Th2 is ineffective at fighting viruses, some suspected that it — and therefore IL-4 — could play a critical role in allowing MAIDS to gain the upper hand.

The investigators studied response to the MAIDS virus in 28 normal mice and in 28 mice that lacked the IL-4 gene. Six months after being infected with MAIDS, all normal mice had died of the disease. By contrast, only three of the IL-4 negative mice developed swollen lymph nodes — a symptom of MAIDS and AIDS — and all were still alive, Kanagawa said. MAIDS normally kills

mice within three months, he added.

"These results demonstrate that IL-4 is critical to the development of MAIDS," the investigators report in their paper. "It is the first demonstration that a single cytokine may be involved in this disease's progression," Kanagawa adds.

Because the Th2 response also may survive longer in AIDS, it is possible

that IL-4 may play a similar role in humans, Kanagawa said. "MAIDS and AIDS are very different diseases, but they may share some important aspects. I think we can use this mouse study to see how the MAIDS virus manipulates the immune system. We can apply that knowledge to ask whether the same thing is happening in humans," he said.

— Juli Leistner



At a live teleconference at the School of Medicine last week, faculty, students and staff heard First Lady Hillary Rodham Clinton answer questions about healthcare reform and other issues facing women. Angela Derry, an occupational therapy student at the School of Medicine, was able to ask Clinton how the new health plan will affect rural healthcare.

## Monsees named chief of new breast imaging section

Barbara Monsees, M.D., has been named chief of a new breast imaging section in the Department of Radiology at Washington University's Mallinckrodt Institute of Radiology.

The new section was created to foster continuing developments in the detection and diagnosis of breast-related diseases, said Ronald G. Evens, M.D., professor and head of the Department of Radiology. Breast cancer is the second leading cause of cancer deaths in women. The American Cancer Society estimates that one of every nine women will develop breast cancer during her lifetime.

Monsees, associate professor of radiology, has focused her research on breast imaging since joining the School of Medicine faculty in 1980 as an instructor in radiology. She was named an associate professor in 1990 and became head of mammography in 1992. Monsees was a member of the Mallinckrodt Institute team that brought the first mobile mammography van to the St. Louis area in 1986. She has worked for the past year to establish the new Mammography Screening Center, which opened Oct. 1 on the main floor of Barnes Hospital. In addition, she helped develop a new breast implant filler material made of a vegetable triglyceride that is now patented by the University. The new filler does not appear to interfere with mammograms, as do silicone gel and saline, the materials traditionally used as fillers. A start-up company called LipoMatrix Inc. was created in 1992 to begin commercial manufacturing.

Monsees has given more than 40 presentations about breast cancer and

mammography to the St. Louis community and to scientific and lay audiences around the country. She was featured on a Lifetime Medical Television program on mammography that has aired repeatedly since April 1992. Monsees has contributed to eight books and published nearly 40 scientific papers. She

is an active member of the American Association for Women Radiologists and the American College of Radiology Mammography Accreditation Program.

She received her bachelor's degree from Brandeis University in 1971 and her medical degree from Washington University in 1975.

## Volunteers are needed for diabetes study

Researchers at the School of Medicine need volunteers to participate in a study to determine the effectiveness of psychotherapy on patients with diabetes who also suffer from clinical depression.

The study is for patients with both depression and Type II, or adult onset, diabetes. Principal investigator Patrick J. Lustman, Ph.D., an associate professor of medical psychology in psychiatry, last year concluded the first study to find that antidepressant drugs are effective in some patients with diabetes. Now he wants to learn whether cognitive therapy also can be effective.

"About one in five patients with Type II diabetes also suffers from depression," Lustman says. "We have found in the past that antidepressant drugs can control their depression, but many people with diabetes cannot take the drugs because of other medical problems. The medication can cause weight gain or appetite changes, and that can make it harder to control blood glucose levels. Even for those who do take the antidepressant drugs, there is a 40 percent chance that the medication won't work."

It is important, says Lustman, to see whether cognitive therapy can relieve depression in at least some of the remain-

ing patients with diabetes. "Research has shown that depressed diabetic patients don't follow their prescribed treatment as well as they should. That can lead to poor control of blood glucose, and that can contribute to the development of complications including eye, kidney and nerve damage," he explains.

Lustman plans to enroll 60 adults with Type II diabetes and major depression into the study. Half will be given a combined diabetes management and cognitive psychotherapy program. The rest will receive only diabetes management.

Members of both groups could see improvement in their depression, according to Lustman. "It is possible that simply improving diabetes control will also help alleviate the symptoms of depression," he says.

The study will measure levels of depression, blood glucose regulation, compliance with self-monitoring of blood glucose levels and general quality of life. Patients will be followed closely during the 10-week study period and will receive follow-up assessment six months later. The research is funded by a three-year grant of more than \$180,000 from the American Diabetes Association.

For more information about the study, call Linda Griffith at 362-2415.

## Record

**Executive Director,**  
**University Communications:** Judith Jasper  
**Executive Editor:** Susan Killenberg  
**Editor:** Deborah Parker, 935-5235, Box 1070  
**Editor, Medical news:** Diane Duke,  
362-9662, Medical School Box 8065  
**Assistant Editor:** Carolyn Sanford,  
935-5293, Box 1070

**Contributing writers:** Caroline Decker, Jim Dryden, Gerry Everding, Tony Fitzpatrick, Nancy Galofre, Jim Keeley, Rozanne Kennedy, Juli Leistner, Dave Moessner, Joni Westerhouse and Mike Wolf

**Photographers:** Joe Angeles, Tom Heine, David Kilper and Herb Weitman

**Production:** Galen Harrison

**Record** (USPS 600-430;ISSN 1043-0520), Volume 18, Number 8/Oct. 14, 1993. 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. Second-class postage paid at St. Louis, Mo.

**Address changes and corrections:**

**Postmaster and non-employees:** Send address changes 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.

**Washington**  
WASHINGTON UNIVERSITY IN ST. LOUIS



# Washington People

## Korsmeyer searches for new cancer therapy

**B**efore he set his sights on medical science as a career, Stanley Korsmeyer, M.D., just knew he would be a veterinarian. That was one of the influences of growing up on his family's livestock farm in Beardstown, Ill. But one of his early mentors, veterinarian Robert Gooden, whom Korsmeyer worked with as a high school student, suggested he take a look at biologic sciences instead. Accepted into the University of Illinois as a preveterinary student, Korsmeyer eventually took Gooden's challenge and swapped the coat of the vet for that of the medical student.

In medical school at the University of Illinois, Korsmeyer came under the care of his adviser, Paul Heller. Under Heller's tutelage, Korsmeyer developed an interest in hematology that would presage his choice of specialty within the field of medicine.

Korsmeyer's professional interests blossomed as medical research took a decidedly molecular nature during the mid-to-late 1970s. Today, he is recognized as an outstanding contributor to medical research in a quartet of disciplines: immunology, hematology, oncology and genetics. His titles — professor of medicine, director of the Division of Molecular Oncology and associate investigator with the Howard Hughes Medical Institute — bespeak the accomplishments of this young, energetic, scientist, who has made quite a name for himself in his chosen field of cancer research.

Korsmeyer's research is literally a matter of life and death. But to understand how he got to that point, one has to go back to the beginning, to his interest in how leukemias and lymphomas get their often deadly start.

More than 30 years ago, it became apparent that catastrophic events may arise when two chromosomes swap genetic material. To appreciate fully the importance of these "genetic events," one must be willing to linger over the problem, to demand more information.

In some rare cases, a person will decide to devote his or her life to studying why one chromosome decides to append part of its precious genetic message to an inappropriate recipient. These are the people who are likely to do work that rewrites textbooks. Stan Korsmeyer is one of those people.

Korsmeyer became interested in chromosomal translocations while he was a postdoctoral fellow in the labs of Philip Leder and Thomas Waldmann at the National Cancer Institute. At the time, no one had any idea how big this field would become. Yet the work of many people has driven the point home time and again that this sort of unsanctioned genetic bartering is indeed important. When genes are plucked from their home and placed in an alien environment, trouble soon follows.

One example of that trouble is tumors of blood cells — leukemias and lymphomas. Scientists believe that leukemias and lymphomas develop partly because the genes in two types of white blood cells — the so-called B and T cells of the immune system that recognize and destroy viruses, bacteria and other invaders — are at higher risk for translocation than many other genes. That may be because the nature of the work B and T cells do requires gene shuffling.

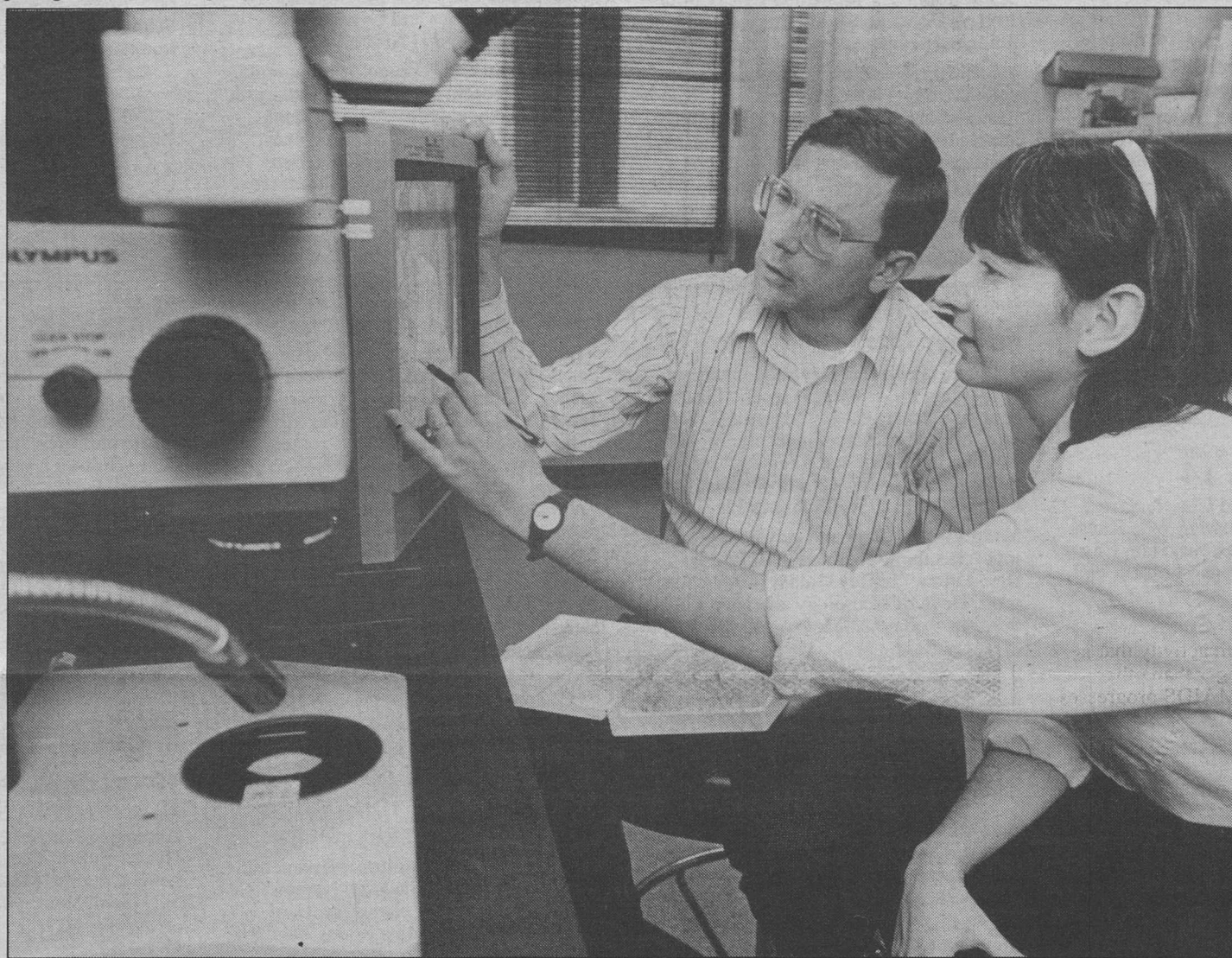
Although defined by a small number of genes, B and T cells must respond to a huge number of potential invaders. They accomplish this feat by displaying specialized receptor proteins, called antigen receptors, on their surfaces. Each antigen recognizes only a single invader. To deal with the hordes of potential disease-causing agents, B and T cells shuffle the genes that encode their antigen receptors. That gives the immune system a considerable boost, Korsmeyer says, by allowing a few genes to make a large number of products. The shuffling presents a necessary risk. "Without it, your immune system wouldn't be able to 'see' the things — like moon dust — that you've never encountered before," Korsmeyer notes.

But the shuffling can have a terrible price. Moving genes around increases the likelihood that some will end up in the wrong place. If that happens, cancer may develop years later, as Korsmeyer and other researchers have shown. Korsmeyer is best known in the scientific world for his seminal work on *bcl-2*, a gene involved in the development of B cell follicular lymphoma, the most common form of malignant lymphoma.

During the past few years, Korsmeyer's lab has been paying close attention to *bcl-2*, and with good reason. Given that almost all genes swapped during translocations seem to be important in orchestrating crucial aspects of body development, Korsmeyer says it appeared to be a good idea to follow *bcl-2* closely. In retrospect, that hunch was right on the money. Thanks to his dogged pursuit of *bcl-2*,

Korsmeyer says *bcl-2* can be a double-edged sword, too. Because *bcl-2* is an antidote to cell death, Korsmeyer believes it enhances a person's chances of developing follicular B cell lymphoma. "The longer B cells live, the higher the probability that they will acquire potentially harmful genetic defects," he says.

An article recently published in *Cell* by Korsmeyer's group reports finding a protein that accelerates cell death. The protein, called Bax, is structurally similar to Bcl-2, and the ratio of Bcl-2 to Bax within a cell predetermines whether a cell will live or die. The work should prove especially valuable to Korsmeyer's long-term goal of developing novel anti-cancer drugs that can force cells to die. Such drugs might be used in conjunction with standard chemotherapy or by themselves, Korsmeyer says.



Stanley Korsmeyer, M.D., and Deborah Veis, a Medical Scientist Training Program student, examine mouse tissue.

**"The school is making a commitment to further develop the clinical oncology program."**

Korsmeyer identified a new class of cancer-causing genes, an honor that few scientists can claim.

In a flurry of papers in top scientific journals, researchers have shown that *bcl-2* is an antidote to a form of cellular suicide, called programmed cell death. During development, scientists theorize that there are many more cells created than needed. So millions of cells are programmed to commit suicide at a time determined by a host of internal and external cues. This scenario is likely to occur in the developing brain, where millions of neurons are selectively pruned away during the first weeks of life. *Bcl-2* is one of the few proteins known to block the death program. As such, it represents an amazing opportunity to probe many diseases involving the sentries of the immune system, including follicular B cell lymphoma.

Since finding that *bcl-2* spares cells that would be doomed to die, Korsmeyer has tried to find out what else this intriguing protein might be capable of. By applying the analytical skills instilled by his father and other mentors, Korsmeyer has steadily built up a compelling biochemical story about *bcl-2*. For instance, his group was the first to find a normal role for *bcl-2*. When the body is challenged by an invading virus, it deploys an army of B cells as part of the immune response. Once the invader is disposed of and the immediate danger has passed, a need remains for the system to stay on guard against the return of the same virus. The group found that *bcl-2* blocks the cell's built-in death program and allows some of the members of the well-trained army to survive to fend off a repeat attack.

of this research. Korsmeyer is on the scientific advisory board of a new biotech start-up company called IDUN Pharmaceuticals. In Norwegian mythology, Idun is the goddess of life and eternity. IDUN Pharmaceuticals is a highly appropriate name, considering the company's plans to focus on *bcl-2*.

Korsmeyer is extremely interested in developing a new line of therapy that would focus on regulating the death of cells. "A lot of our pharmacologic approach in the past has focused on controlling cell growth, and part of the problem there is toxicity to normal cells," he says. "If we can change our perspective a little bit and think of eliminating cells by triggering cell death pathways, it might be that we would have another effective avenue in controlling cancer or autoimmune diseases. If we trigger the survival pathway, we might have new therapies for neurodegenerative diseases."

With his corporate ties and active basic research program, Korsmeyer has a great vantage point from which to direct the intersection of basic cancer research and the more applied field of clinical oncology. He recently was named head of the Division of Molecular Oncology within the departments of Medicine and Pathology. "The school is making a commitment to further develop the clinical oncology program," Korsmeyer says. In the works is a new Division of Bone Marrow Transplantation and Stem Cell Biology, as well as an emphasis on developing the basic research program in cancer biology. "We want to concentrate on cancer genetics, developmental biology, identifying new oncogenes and greater communication with the clinical labs responsible for identifying subsets of cancer."

Korsmeyer's life isn't all research and *bcl-2*. He and his wife, Susan, an alderwoman in the city of Clayton, are the parents of two boys, Jason, 10, and Evan, who is seven. Both boys are active in sports, including skiing, swimming and baseball. And they also are seasoned travelers, thanks to their father's busy lecturing schedule throughout the United States and abroad. Whenever possible, Korsmeyer takes his family along on trips, especially when they involve areas known for skiing or hiking. "Both boys are coming along very fast as skiers," Korsmeyer notes. "We can still ski with them but I think our days are numbered."

— Jim Keeley

In soon-to-be-published articles in *Cell*, Korsmeyer's team describes their first mouse model in which *bcl-2* has been knocked out. In such a model, both copies of the *bcl-2* genes are deleted, so scientists can study the effects of *bcl-2* on development. The models demonstrate that *bcl-2* is critically important during early stages of development. Mice without the gene develop kidney disease, have their hair turn gray and lose massive amounts of immune system cells. This article will be published with another article reporting the groundbreaking observation that Bcl-2 functions as a central regulator of an antioxidant pathway that represses cell death.

With all of the interest in *bcl-2* and programmed cell death, it's not surprising that many pharmaceutical and biotechnology companies are intrigued by the potential applications



# Calendar

Oct. 14-23



## Exhibitions

**"The Crossing of Borders and the Creation of Worlds: The Art of Howard Jones."** Through Oct. 31. Gallery of Art, upper and lower galleries, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.

**"Democracy."** Through Oct. 17. Exhibit features an interactive musical piece and exhibit created by synthesist musician Michael Murphy. Gallery of Art, lower gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends.



## Films

### Thursday, Oct. 14

**7 and 9 p.m. Filmboard Classic Series.** Alfred Hitchcock's "The Man Who Knew Too Much." Room 100 Brown Hall. Cost: \$3. For 24-hour Filmboard hotline, call 935-5983.

### Friday, Oct. 15

**7 and 9:30 p.m. Filmboard Feature Series.** "The Lover." (Also Oct. 16, same times, and Oct. 17 at 7 p.m.) Room 100 Brown Hall. Cost: \$3.

**Midnight. Filmboard Midnight Series.** "The Love Bug." (Also Oct. 16, same time, and Oct. 17 at 9:30 p.m.) Room 100 Brown Hall. Cost: \$3.

### Tuesday, Oct. 19

**7 p.m. Japanese Film Series.** "Red Beard," with English subtitles. Room 219 South Ridgley Hall.

### Wednesday, Oct. 20

**7 and 9 p.m. Filmboard Classic Series.** "Detour." (Also Oct. 21, same times.) Room 100 Brown Hall. Cost: \$3.

### Friday, Oct. 22

**7 and 9:30 p.m. Filmboard Feature Series.** "The Exorcist." (Also Oct. 23, same times.) Room 100 Brown Hall. Cost: \$3.

**Midnight. Filmboard Midnight Series.** "Deliverance." (Also Oct. 23, same time.) Room 100 Brown Hall. Cost: \$3.



## Lectures

### Thursday, Oct. 14

**9:30 a.m. Internal medicine cardiovascular seminar.** "From Fatty Streak to Myocardial Infarction," Alan M. Fogelman, prof. of medicine and senior chair, Dept. of Medicine, UCLA. Clopton Aud., 4950 Children's Place.

**Noon. Biochemistry and molecular biophysics seminar.** "Conformational Changes in Cyclic-AMP Dependent Protein Kinase on Binding Substrates," Lynn Ten Eyck, Dept. of Chemistry and San Diego Super Computer Center, La Jolla, Calif. Room 2918 South Bldg.

**Noon. Genetics seminar.** "The Erythropoietin Receptor: Its Structure and Function in Hematopoiesis and Disease States," Gregory Longmore, asst. prof., Dept. of Cell Biology and Physiology. Room 816 McDonnell Medical Sciences Bldg.

**1:10 p.m. Social work lecture.** "Equity and Access in Health Care Reform," John H. Kissel, vice president for medical affairs, St. Louis Regional Medical Center. Brown Hall Lounge.

**4 p.m. Biology and biomedical sciences student-organized seminar.** "In Vivo Pathways of Disulphide Bond Formation in Proteins," Jon Beckwith, prof. of microbiology and molecular genetics, Harvard U. Medical School. Erlanger Aud., McDonnell Medical Sciences Bldg.

**4 p.m. Chemistry seminar.** "Hadronic Microscopes for Nuclear Collisions," Scott Pratt, Michigan State U., East Lansing, Mich. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311; refreshments following seminar.)

**4 p.m. Earth and planetary sciences colloquium.** "Holocene Playas of the Eastern Sahara: Paleoclimate, Hydrology and Sedimentation," Fekri A. Hassan, prof., Dept. of Anthropology, Washington State U. Room 162 McDonnell Hall.

**4:15 p.m. Philosophy colloquium.** "How to Find the Natural Kinds," James G. Lennox, prof. of philosophy, U. of Pittsburgh. Hurst Lounge, Room 201 Duncker Hall.

### Friday, Oct. 15

**9:15 a.m. Pediatric Grand Rounds.** "Emerging Evidence for Genetic Basis for Pediatric Heart Disease," Arnold W. Strauss, prof. of pediatrics and molecular biology and pharmacology and director, Division of Pediatrics, St. Louis Children's Hospital. Clopton Aud., 4950 Children's Place.

**Noon. Cell biology and physiology seminar.** "Metabolic Regulation of Retinal Blood Flow," Jeffrey Gidday, research asst. prof., Dept. of Neurology and Neurological Surgery. Room 423 McDonnell Medical Sciences Bldg.

**4 p.m. Anatomy and neurobiology seminar.** "Mapping Monkey Brains: Why and How We Do It," David Van Essen, Edison Professor of Neurobiology and head, Dept. of Anatomy and Neurobiology. Room 928 McDonnell Medical Sciences Bldg.

### Saturday, Oct. 16

**9 a.m. Saturday morning neural science seminar — ION CHANNELS** Update on Molecular and Physiological Characteristics. "Molecular Biology of G-Protein Coupled Receptors," Jim Krause, prof., Dept. of Anatomy and Neurobiology. Erlanger Aud., McDonnell Medical Sciences Bldg.

**9 a.m.-5 p.m. Careers in Industry for Chemists seminar.** One-day program to give undergraduates, graduate students, postdoctoral fellows and faculty an understanding of roles of chemists in various functions. Speakers from industrial corporations give perspectives on various topics. Organized by the St. Louis Section of the American Chemical Society. Room 458 Louderman Hall. For info., call 658-2850.

### Monday, Oct. 18

**4 p.m. Biology seminar.** "The Origin and Evolution of Cellular Life," Sidney Fox, prof. emeritus, U. of Florida, and visiting prof. emeritus, U. of South Alabama, Mobile. Room 322 Rebstock Hall.

**8 p.m. Architecture lecture.** "Architecture and Design From Color," Ruth and Norman Moore Visiting Lecturers, and Jack Travis, set designer and adviser for Spike Lee movies. Steinberg Hall Aud. (Reception following, Room 120 Givens Hall.)

### Tuesday, Oct. 19

**12:10 p.m. Physical therapy brown bag research seminar.** "Organizational, Interpersonal and Personal Indicators of Satisfaction With Clinical Education," Jennifer Stith, MSPT instructor, Program in Physical Therapy. Classroom C, Room 110 Boulevard Bldg., 4444 Forest Park Blvd.

**4 p.m. Chemistry seminar.** "New Strategies for the Synthesis of Biologically Active Complex Molecules: Neocarzinostatin Chromophore, Calicheamicin and Nucleoside Analogues," John M. Nuss, Dept. of Chemistry, U. of California, Riverside. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311; refreshments following seminar.)

**4 p.m. Molecular microbiology seminar.** "Multidrug Resistance as a Selectable Marker for Gene Therapy," Michael

Gottesman, chief, Laboratory of Cell Biology, National Institutes of Health and National Cancer Institute. Cori Aud., 4565 McKinley Ave. (Refreshments; 3:45 p.m.)

**4:30 p.m. Anthropology colloquium.** "Doing Gender — Doing Surgery: Women Surgeons in a Man's Profession," Joan Cassell, research assoc., Dept. of Anthropology. Room 149 McMillan Hall (Coffee: 4:15 p.m.)

### Wednesday, Oct. 20

**7:30 a.m. Obstetrics and Gynecology Grand Rounds.** "Recent Advances in Molecular Biology: Opening the Black Box," James Schreiber, prof. and head, Dept. of Obstetrics and Gynecology. Clopton Aud., 4950 Children's Place.

**11 a.m. Olin Conference.** "Pornography and Free Speech: What Are the Stakes for Women?" Nadine Strossen, president, American Civil Liberties Union, and Kathleen Mahoney, prof. of law, U. of Calgary, Alberta. Graham Chapel.

**Noon. Chemistry seminar.** "The Comparative Chemistry of 4f and 5f Elements," Gregory R. Choppin, prof., Dept. of Chemistry, Florida State U., Tallahassee. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311.)

**2 p.m. Olin Conference panel discussion.** Panel will discuss pornography and free speech. Norella Huggins of Armstrong, Teasdale, Schlafly and Davis law firm will moderate. Panelists: Nadine Strossen, ACLU president; Kathleen Mahoney, prof. of law, U. of Calgary, Alberta; Colleen Coble, executive director, Missouri Coalition Against Domestic Violence; and Sue Trent, artist and art teacher. Women's Bldg. Lounge. (Reception: 4-5 p.m.)

**4 p.m. Assembly Series lecture.** "What's News?" Bob Jobbins, editor, and Gwyn Jones, senior editor of BBC World Service News. May Aud., Simon Hall. (Reception follows.)

**4 p.m. Biochemistry and molecular biophysics seminar.** "Molecular Complexes in Transcription Replication," Stephen J. Benkovic, Dept. of Chemistry, Pennsylvania State U., University Park, Penn. Cori Aud., 4565 McKinley Ave.

**4 p.m. Physics colloquium.** "Geometric (Berry) Phases in Molecular Systems," Alden Mead, prof. of chemistry, U. of Minnesota, Minneapolis. Room 204 Crow Hall (Coffee: 3:30 p.m., Room 245 Compton Hall.)

**5 p.m. Cardiology seminar.** "Chloride Channels and the Heart" Peter B. Corr, prof., Dept. of Medicine, Dept. of Molecular Biology and Pharmacology. Room 601A Medical Center Library. (Dinner included.)

### Thursday, Oct. 21

**4 p.m. Chemistry seminar.** "The Regulation of Intracellular Phospholipases and Their Role in Cellular Regulation," Richard Gross, prof., Dept. of Medicine, Dept. of Molecular Biology and Pharmacology. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311; refreshments following seminar.)

**4 p.m. Graduate History Association and Dept. of History lecture.** "The Place of Theory in Historical Research and Writing," Douglass C. North, Henry R. Luce Professor of Law and Liberty. Cohen Lounge, Room 133 Busch Hall.

**4:15 p.m. Philosophy, neuroscience and psychology colloquium.** "Attentional Selection and Inhibition in Healthy Young, Healthy Aged and Individuals With Senile Dementia of the Alzheimer's Type," Dave Balota, assoc. prof., Dept. of Psychology. Hurst Lounge, Room 201 Duncker Hall.

### Friday, Oct. 22

**9:15 a.m. Pediatric Grand Rounds.** "Does Payor Source Determine Access to Neonatal Intensive Care Resources at St. Louis Children's Hospital?" F. Sessions Cole, prof. of pediatrics and assoc. prof. of cell biology and physiology and director, Division of Newborn Medicine, St. Louis Children's Hospital. Clopton Aud., 4950 Children's Place.

**10 a.m. Electrical engineering seminar.** "Electromagnetic Coupling Through Apertures by the Generalized Admittance Approach," Roger F. Harrington, prof. of electrical engineering, Syracuse U. Room 100 Cupples II Hall.

**Noon. Cell biology and physiology seminar.** "Pattern Recognition Molecules and Host Defense," Alan Ezekowitz, Dept. of Pediatrics, Harvard U. Medical School. Room 423 McDonnell Medical Sciences Bldg.

**4 p.m. Music lecture.** "Irene Castle Watches Her Step: Dance, Music and Dangerous Pleasures," Susan Cook, Dept. of Music, U. of Wisconsin, Madison. Room 8 Blewett Hall Annex.

**4:15 p.m. Philosophy colloquium and keynote speech.** "The Many Faces of Morality," Amelie Rorty, prof. of philosophy, Mount Holyoke College and visiting prof. of philosophy, Harvard Graduate School of Education. Women's Bldg. Lounge.



## Music

### Sunday, Oct. 17

**7:30 p.m. Music concert.** "The Kingsbury Trio," with Jacob Berg on flute, Maryse Carlin on fortepiano and Sarah Edgerton on cello. Holmes Lounge, Ridgley Hall.



## Performances

### Thursday, Oct. 14

**8 p.m. "OVATIONS!" event.** The Flying Karamazov Brothers perform "Juggle and Hyde." Edison Theatre. Cost: \$20 for the general public; \$15 for senior citizens and WU faculty and staff; and \$10 for students.

### Friday, Oct. 15

**8 p.m. Stage Left performance.** B.J. Ward's "Stand-up Opera." (Also Oct. 23, same time and Oct. 24 at 2 p.m.) Drama Studio, Room 208 Mallinckrodt Center. Cost: \$12 for the general public; \$10 for senior citizens and WU faculty and staff; and \$8 for students.

### Thursday, Oct. 21

**7:30 p.m. Informal modern dance concert.** "Dancing: Young and Green," Bill Young, artistic director and founder of Bill Young and Dancers Company, and Allyson Green, artistic director, company member and independent dancer-choreographer. Sponsored by Performing Arts Dept. and Morris D. Marcus Fund. Dance Studio, Room 207 Mallinckrodt Center.



## Miscellany

### Thursday, Oct. 14

**9:30 a.m.-noon. University College career development workshop.** "Career Development for Moms," Ellen Krout Levine, coordinator of career programs. (Continues Thursdays through Oct. 28.) Room 30 January Hall. Cost: \$60. To register, call 935-6788.

**8 p.m. Mid-American Conference on Hispanic Literatures annual meeting.** "Women Writing in Mexico and Spanish America," Elena Poniatowska, Mexican writer. Sponsored by Dept. of Romance Languages and Literatures. Steinberg Hall Aud.



## Saturday, Oct. 16

**8:30 a.m.-4 p.m. International Forum on the Newly Independent States of the Former Soviet Union.** "Partnership for Progress: A US-NIS Conference on Democracy and the Market Economy." Athletic Complex. Student volunteers needed. For volunteer info., call 935-5297. For ticket info., call 935-4355.

**9:30 a.m.-noon. University College skill development workshop.** "Search and Research," with Mary Seager, prof. of reading, St. Louis Community College, presenting research strategies for college paper writing. Room 30 January Hall. Cost: \$20. For more info. and to register, call 935-6788.

**9:30 a.m.-noon. University College career development workshop.** "Changing Jobs — Changing Careers," Ellen Krout Levine, coordinator of career programs. Define career interests, assess skills, develop job-hunting strategies. (Continues Saturdays through Oct. 30.) Room 30 January Hall. Cost: \$60. For more info. and to register, call 935-6788.

**9:30 a.m.-4 p.m. National Portfolio Day.** Students, high school teachers, guidance counselors and prospective graduate students and community college students are encouraged to attend. The full-day program promotes art careers and includes portfolio reviews, as well as School of Fine Arts tours and a financial aid presentation. For more info., call 935-6000.

## Sunday, Oct. 17

**8 p.m. Poetry reading.** Robert Hass, author of *Spring Drawing and Human Wishes*, and translator of Czeslaw Milosz. Hurst Lounge, Room 201 Duncker Hall.

## Wednesday, Oct. 20

**3:15 p.m. International student resource group tour.** Tour of Monsanto's Life Science Research Center, Chesterfield, Mo. Meet at Stix International House to board bus. For more info., call 935-5910.

**5:30-7 p.m. University College workshop.** "Learning for Career Success: Choosing a Major for the Undecided," Ellen Krout Levine, coordinator of career programs. Room 30 January Hall. For reservations, call 935-6777.

**7 p.m. Video showing.** The Dalai Lama's Sept. 7 lecture, "Altruism and World Af-

fairs," will be shown. Room 100 Busch Hall.

**7:30 p.m. Women's Studies Advisory Group discussion.** A reading of contemporary feminist theories — Gerda Lerner's *The Creation of Feminist Consciousness From the Middle Ages to 1870*. Hurst Lounge, Room 201 Duncker Hall.

## Friday, Oct. 22

**7 p.m. Women's Club University Nite.** Dinner and mystery theater in one package. Radisson Hotel. Cost: \$27.50. Send check, payable to Woman's Club of Washington University, to Helmi Mason, 645 Langton, Clayton, MO 63105. Deadline for reservations: Friday, Oct. 15. For more info., call 727-2521.

**7:30 p.m. United Nations Day celebration.** Deborah Amos, senior editor and bureau chief, National Public Radio London Bureau, will speak about Yugoslavia. Introduction by Repps Hudson, St. Louis Post-Dispatch reporter. Co-sponsored by the World Affairs Council and the World Federalists Association. May Aud., Simon Hall. (At 6 p.m., a native Missouri wine tasting and gourmet buffet will be held. Cost: \$25.) To register, call 935-5574.

**8 p.m. Bookmark society poetry reading.** Carter Revard, prof. of English. Brown Hall Lounge.

## Calendar guidelines

Events sponsored by the University — its departments, schools, centers, organizations and its 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 of speaker(s) and affiliation, and admission cost. Quality promotional photographs with descriptions are welcome. Send items to Judy Ruhland at Box 1070 (or via fax: 935-4259). Submission forms are available by calling 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 935-4926.

# Veteran reporters to share insights on what's newsworthy at the BBC

Bob Jobbins, director of World Service News, Radio and Television at the British Broadcasting Corp. (BBC), will present "What's News?" at 4 p.m. Wednesday, Oct. 20, in May Auditorium, Simon Hall. Appearing with Jobbins will be Gwyn Jones, senior editor of World Service News Radio at the BBC.

The two BBC executives will delve into how the international news agenda is set and will describe how the BBC determines what news their 130 million listeners around the globe hear every day.

Jobbins and Jones speak with authority on issues facing the news media today, drawing from their vast experience as news reporters with the BBC and other media outlets. Jobbins, who has spent at least one-half of his professional life working overseas, joined the BBC in 1972. Among other assignments, he served as a correspondent in Egypt and China, as well as the United Kingdom. While director of the BBC's Arabic Service, he covered the birth and rise of the Palestinian Intifada and was only

feet away from Egypt's President Sadat when he was assassinated in 1981.

Jones joined the BBC in 1965 after working as a newspaper editor in Rhodesia. However, when Ian Smith's government took power in Rhodesia in 1965, Jones found it impossible to work in a country where the media was coming more and more under government control. Though he never intended to become a news reporter, Jones says he has remained with the BBC for so many years because of the integrity of its broadcasts. Jones is responsible for coordinating the World Service style book, which explains, among other things, why the BBC never uses the word "billion" or "terrorist" and asks journalists to beware of "Americanisms" creeping into broadcasts. He will discuss this topic briefly.

Both speakers will address what it takes to be a foreign correspondent.

The remainder of the session will be devoted to questions and answers. A reception on the main floor of Simon Hall will follow. For information, call 935-5285.

## World-renowned dancers work with students

Two accomplished and world-renowned New York-based dancers will spend Oct. 20-22 as Marcus residents.

Through the residency, performers Bill Young and Allyson Green will teach students of all skill levels. In addition, there will be an informal presentation at 7:30 p.m. Thursday, Oct. 21, in Mallinckrodt Center's Drama Studio, Room 207, which will be open to the public.

Young formed the group Bill Young and Dancers in 1986. Since then, Young's works have been produced throughout New York City, and his dance troupe has toured central Europe seven times.

Young has been awarded a two-year National Endowment for the Arts Choreographers' Fellowship and also has won support from numerous performing arts foundations.

Green received a bachelor's degree from Washington University's School of Fine Arts in 1983. She began performing with MADCO and Suzanne Grace's Burning Feet Dance Company, then performed for several years in San Francisco before moving to New York in 1987. Since then, Green has continually worked with Bill Young and Dancers. Green has toured extensively throughout the United States, Europe and South America.

Green's illustrious career also includes extensive work as a teacher, choreographer and visual artist.

The Margaret B. Marcus Dance Fund was established by Morris D. Marcus in honor of his wife, who was a teacher, choreographer and performer. The residency invites one or more prominent guest artists per year to enhance the dance program at Washington University.

# Amos keynotes U.N. Day celebration

Award-winning journalist Deborah Amos, senior editor and bureau chief of National Public Radio's London bureau, will keynote a U.N. Day Celebration at 7:30 p.m. Oct. 22 in May Auditorium, Simon Hall. Her lecture is part of the Assembly Series and is free and open to the public.

Amos covers political affairs and events in Europe and the Middle East for NPR's



Deborah Amos

In 1991 Amos was a Nieman Fellow at Harvard University, studying economic and political issues affecting Eastern Europe and the Soviet Union. Her honors include the 1984 Alfred I. duPont-Columbia University Award for "The Most Dangerous Game," a documentary on the official nuclear military strategies of the United States, Soviet Union, and East and West Germany, and the 1982 Robert F. Kennedy Journalism Award for a series on refugees.

Amos, who joined NPR in 1977 was named senior editor in 1992. She has primarily covered the Middle East since the

award-winning newsmagazines "Morning Edition," "Weekend Edition" and "All Things Considered." Her book *Lines in the Sand*, based on her Gulf War reporting experiences, was published in 1992.

early 1980s, reporting from Saudi Arabia, Kuwait, Jordan, Lebanon and Israel. Other assignments have taken her to Afghanistan, Poland and China.

The lecture is co-sponsored by the Assembly Series, the University's Political Society, The Greater St. Louis Chapter of the United Nations Association, the World Affairs Council and the World Federalists Association. For more information, call 935-4620.

## Free speech — from page 1

honoring the panel participants will be held from 4 to 5 p.m. in the lounge. Both the panel discussion and the reception are free and open to the public.

The panel also features moderator Norella Huggins, J.D., of Armstrong, Teasdale, Schlafly and Davis law firm; Colleen Coble, executive director, Missouri Coalition Against Domestic Violence; and Sue Trent, artist and art teacher in St. Louis.

The conference honors the University's past and present recipients of the Mr. and Mrs. Spencer T. Olin Fellowship for Women. The Olin fellowship program was established by The Monticello College Foundation to bring outstanding women to the University to pursue careers in higher education or the professions.

For more information on the lecture, call 935-4620; for more information on the panel discussion, call 935-6848.

# Sports

## Football

Last Week: Washington 28, Rhodes 10

This Week: vs. Central Methodist, 7 p.m. Saturday, Oct. 16, Francis Field

Current Record: 4-2

Senior quarterback Aaron Keen, Cheyenne, Wyo., celebrated a historic evening with a 28-10 Homecoming victory over Rhodes College, a team that had defeated the Bears in 16 of their 17 previous meetings. Keen completed 19 of 29 passes for 247 yards and one touchdown, and in the process, became Washington's all-time leader in passing yardage with 3,980 yards. Fittingly, he achieved the record on a 12-yard first-quarter pass to his brother, John. Junior running back Todd Hannum, Maryville, Tenn., rushed for 126 of his career-high 150 yards in the second half.

## Women's Volleyball

Last Week: Washington 3 (15, 15, 15), St. Norbert 0 (6, 8, 3); Washington 3 (15, 15, 15), Emory 0 (5, 6, 11); Washington 3 (15, 15, 15), Simpson 0 (13, 1, 9)

This Week: UC San Diego Invitational, Friday-Saturday, Oct. 15-16, LaJolla, Calif.

Current Record: 24-1

Amy Sullivan, St. Louis, led the Bears to another three victories over the weekend — and etched her name in the NCAA record books. Playing against a solid Simpson squad, Sullivan tied a Division III single-match record by drilling 14 service aces. In the same match, the Bears set a new Washington record with 26 aces.

## Men's Soccer

Last Week: Washington 3, Fontbonne 0; MacMurray 1, Washington 0

This Week: at Wheaton, 1 p.m. Friday, Oct. 15, Wheaton, Ill.; at Chicago, 3 p.m. Saturday, Oct. 16, Chicago, Ill.

Current Record: 7-4-1

Following a 3-0 win over Fontbonne College, Washington had its 16-game unbeaten string against South Central region foes come to an end with a heart-breaking 1-0 loss to MacMurray College. Despite leading in shots on goal 10-2 and being awarded a penalty kick, the Bears were unable to score a goal for the first time this season.

## Women's Soccer

Last Week: Cortland State 1, Washington 0; Washington 1, Wisconsin-Eau Claire 0

This Week: vs. SIU-Edwardsville, 7 p.m. Wednesday, Oct. 13, Francis Field; at Chicago, 1 p.m. Saturday, Oct. 16, Chicago, Ill.

Current Record: 3-9-0

The Bears earned a split to take third-place honors at the Washington University Tournament. On Saturday, the Bears dropped a one-goal decision against defending Division III champion Cortland State. On Sunday they defeated Wisconsin-Eau Claire when senior Alison Wilson, Bethesda, Md., scored with just 34 seconds left in the second overtime period.

## Men and Women's Cross Country

Last Week: at University of Missouri-Rolla Miner Invitational; Men: 7th of 14 teams, Women: 7th of 14

This Week: No activity

The Bear harriers continued to improve individually and as a team in preparation for the UAA Championships. Sophomore Amy Benkowski, Lincoln, Neb., led the women's charge by earning medalist honors among Division III competitors and finishing 19th overall in the field of 67. She charted a 1993 Washington-best five-kilometer time of 19:32. On the men's side, sophomore Ryan Thomas, Orefield, Pa., was the top Division III finisher and placed 31st overall out of 113 with a personal-best 8K time of 26:37.

## Women's Tennis

Last Week: Washington 6, St. Louis 3

This Week: at Chicago, 3 p.m. Friday, Oct. 15, Chicago, Ill.; at Wheaton, 10 a.m. Saturday, Oct. 16, Wheaton, Ill.; vs. Elmhurst, 2 p.m. Saturday, Oct. 16, Wheaton, Ill.

Current Record: 1-0

After posting a convincing win over Division I rival St. Louis University, the Bears close out their abbreviated fall schedule this weekend. Against SLU, the Bears won at second through fifth singles and at first and second doubles. Sophomore Tara Salamone, Greenlawn, N.Y., is currently ranked 18th in the Midwest region.



## Students say thanks, name area after man who befriended them

**A**s night manager of Wohl Center, making sure the building runs smoothly is Isaac Conner's primary responsibility, but Conner said he feels just as responsible for the students who fill the building. Conner, who has worked at Wohl Center for 23 years, makes it his job to befriend students, many of whom are away from home for the first time and are feeling homesick and scared.

The students showed their appreciation by naming their new student area "Ike's Place."

Walking from the din of the Bear's Den into Ike's Place is like walking into a quiet oasis, and that is exactly what the students wanted when they began to renovate the space last year.

"It's much more homey (than the Bear's Den)," observed first-year student Tazneen Twells. "I think it's really cool that they named it after (Conner), especially because he's been around for so long and knows so much about this place."

The honor came as a total shock to the modest and soft-spoken man.

"It was kind of like a miracle," he said. "I think I would have had a better chance of winning the lottery than having this named after me. Usually you have to have donated a lot of money for this kind of honor."

A contest was held among students to name the space, says Broderick Lee, treasurer of the Congress of the South Forty. The top 13 suggestions were voted on by the assembly. Ike's Place received by far the highest number of votes, Lee said.

Conner, who likes to keep in touch with everything going on in Wohl Center, didn't know of the plan to name the space for him until about one hour before the ribbon-cutting ceremony at 7 p.m. Sept. 30. He knew the students were trying to come up with a name.

"Lord, I hope it's not something with 'bear' in it," was all he thought of the issue until he heard the news.

"That's when I wanted to go right through the floor, it was such a shock."

The room, which is connected to the Bear's Den, was previously a game room with painted walls and pinball machines. Last spring Congress of the South Forty members decided they wanted to fix it up and provide a new atmosphere unlike

anything else on the campus, said junior Lisa Jericho, speaker of the South Forty.

The plans for the space were primarily worked out by the Resident Students Advisory Board. Some of the ideas began from visiting local restaurants and seeing what created a comfortable setting. The students wanted a place where they were comfortable just hanging out that "didn't have typical almond walls, plain painted surface and that would have a sense of community and provide programs," says Jericho.

Sophomore Josh Yoburn helped design the space, which Campus Housing used as a model. They then recruited Henry Gabriel, manager of architectural design services, to

help. The project was very much an evolution of ideas, according to both Jericho and Gabriel.

Sitting in the room feels like sitting at a sidewalk cafe, without the traffic noise. The walls on one side are painted with trees and vines. A gazebo on this wall provides a small stage for bands and other performers. On opening night, as hundreds of people milled around, a jazz group, comedian and some student performers entertained the crowd from the gazebo. Shops, buildings and streets are painted on the other three walls. The mural, which was created by Richard Godwin, a set designer with the Muny and Six Flags, incorporates structural

elements from the room into the image.

Toward the back is an elevated space with a bar where students can eat. Small tables are scattered throughout the room. A television and a large screen are stored in the ceiling and can be lowered to show movies or cartoons. Behind this room a new game room with pinball machines and a pool table has been created.

All the students seem very pleased with the new room, says Jericho. But, she notes, there's another benefit. Those students who don't know him keep asking "Who is Ike?" And as a result even more students are getting to know and appreciate him, says Jericho.

— Debby Aronson



Isaac Conner, night manager at Wohl Center for the past 23 years, is more at home in the building than ever. He is standing in "Ike's Place," a room students named after him to show their appreciation. Conner said he feels just as responsible for the students who fill the building as for the building itself, and he has made it his job to care for them.

## Faculty say United States has great stake in supporting NIS' political, economic success — from page 1

agree that the one of the biggest obstacles to democracy and markets in the NIS is a lack of understanding about the institutions necessary for these systems to work.

"The key issue is how will the Russians develop the basic institutions that we take for granted in a market economy — a body of commercial law, established accounting principles, a commercial banking system and insurance," Weidenbaum says. "This transition will require a lot of opportunities for education and training."

Weidenbaum stresses that this must not be a move from a totalitarian government to no government, but to a government that sets and enforces rules of the game. "These institutions can't be vague concepts. They need a system of justice that will see that rules are enforced."

These concerns are shared by Washington University economics professors John Nye, Ph.D. and Lee Benham, Ph.D., who spent two weeks this summer at Tübingen University teaching a course on political and economic issues related to developing markets in the former Soviet Union.

"Our institutions here are the result of centuries of trials and errors," says Benham. "We should be able to help them avoid repeating too many old mistakes. We have a good idea of the prerequisites for economic growth and development."

Benham and Nye agree that it's important for advisers to understand the "rules of the game" in a country before making suggestions on changing business practices or economic systems.

"Mistakes have been made by some advisers that have gone to Eastern Europe telling them what to do there," Benham says. "These advisers often have a very limited understanding of the real constraints these people are facing. We have many things to teach them, but these things must be integrated into their own belief system, their own culture."

Nye contends that the adviser should act as a sounding board for new ideas. "We can teach them economic frameworks and help

them learn our techniques, but we need to understand the limits of our knowledge. We should provide them with guidelines to help them judge for themselves the efficiency of feasible alternatives," says Nye. "We can help them look at things differently, but we can't tell them how to run their businesses."

Benham says we should concentrate on the things we do well, such as university exchange programs. "There are thousands of students at the undergraduate level that would love to come here. Bring them to study at our universities and work in our corporations. We would learn and they would learn. The cost is modest and the prospect of success is high," he says.

Most faculty are staunch supporters of the value of educational exchanges, but they say Russia and other former Soviet States also will need to attract billions of dollars in outside investment capital. All agree this will not be an easy task.

"The risk to investment in the NIS right now is horrendous," says Richard J. Scaldini, Ph.D., associate dean and director of Executive Education Programs at the John M. Olin School of Business. "It's clear that investment will have to come from outside the country, and given the global economic situation, it's not going to come from any one government. An investment project of this scope would require some form of a multilateral Marshall Plan for the NIS."

Scaldini spent most of the 1980s arranging complex international financial deals as a managing director with UBS Securities Inc., the U.S. investment banking arm of the Union Bank of Switzerland. He says the economic success of the NIS will hinge on its ability to attract private investment capital.

"What is needed is some collective action by outside governments to lend support to private investors willing to go into Russia," Scaldini says. "It's going to require government guarantees or some other government support to put a hedge between the investor and Russia. We need to find some way to take the curse off the risk."

Another real issue here, says Scaldini, is that the NIS is not the only game in town when it comes to countries seeking capital investment.

"The demand for capital investment in East Germany alone is tremendous, and worldwide the competition is intense," says Scaldini. "Countries like Malaysia, Indonesia, Thailand and Mexico need capital to grow, and the risk there is a lot less than in Russia. Where would you put your money?"

Recent events in Moscow and the continuing conflicts in surrounding republics suggest that the NIS is far from providing the sort of stable political and economic environment that investors demand. Most experts predict that conditions will get worse before they get better.

"One of the great problems the Russian government now faces is the prospect that many of the 25 million ethnic Russians now living in other parts of the former U.S.S.R. are feeling various pressures to return to Russia," says Stephen H. Legomsky, Ph.D., the Walter D. Coles Professor of Law.

"Since the Russian economy is ill-equipped to provide housing and food for people now in the country, the prospect of millions of immigrants is economically frightening," he added.

Legomsky spent 10 days in Russia this year advising the government on immigration policies. He says that current laws allow ethnic Russians in the republics to come home as full citizens, and about one million already have made the trip. The country's porous borders also are proving attractive to Kurdish refugees from Iraq, as well as Afghans, Armenians and even Somalis.

"It is essential that the United States and other developed countries provide Russia with funds and technical assistance to help address the resettling of refugees," Legomsky says. "Otherwise, the economic burden on Russia could be disastrous."

Weidenbaum suggests that the collapse of the Soviet Union was brought on by its inability to keep pace with the United States' massive military investment. But he points out that there is still an arsenal of nuclear weapons to be concerned about in Russia.

"Russia and other former Soviet states continue to be great threats to our national security," says Weidenbaum. "If you look at this from a very selfish point of view, the United States has a great stake in supporting their economic and political success."

— Gerry Everding

## Tickets available for US-NIS business forum

**U**S-NIS forum tickets for students, faculty and staff, and the general public will be distributed at the following times: Hilltop Campus students, 12:30-2 p.m. Oct. 13 and 4-5 p.m. Oct. 14 at Olin Library; Hilltop Campus faculty and staff, and the general public, 12-1:30 p.m. and 5-6:30 p.m. Oct. 13 at the Alumni House, 6510 Wallace Circle; School of Medicine students, faculty and staff, 8:30 a.m.-4:30 p.m. Oct. 13 at the Medical Library Circulation Desk. For ticket information, call 935-5285.

The conference will be held from 8:30 a.m.-4 p.m. in the Athletic Complex. From 8:30-9:15 a.m. "The Context: Perspectives

on US-NIS Business Exchanges and Training" will be discussed. Then, from 9:30 a.m.-noon "Investor Climate and Business Potential in the NIS" will be the topic. From noon-1:30 p.m. the keynote presentation will be held. Finally, from 1:45-4 p.m. "Partnerships for the Future" will be examined.

Due to the US-NIS business forum, some Athletic Complex spaces may not be available for recreational use (including all gymnasiums). The Athletic Complex will be open from 11 a.m.-8 p.m. Oct. 15 and 1:30-8 p.m. Oct. 17. It will be closed Oct. 16.

For current information, call the Forum Hotline at 935-4355.



# For The Record

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

## Of note

**Eduardo G. Moros**, Ph.D., assistant professor of radiology and chief of the Hyperthermia Physics Service, received a \$178,640 Biomedical Engineering Research Grant Award from The Whitaker Foundation of Mechanicsburg, Penn. He will use the three-year award to develop devices for simultaneous thermoradiotherapy. ...

**Terry Woodford-Thomas**, Ph.D., research assistant professor of pathology, received a \$99,942 grant from the National Cancer Institute for a project titled "Function of CDC25 in T Cell Proliferation." ...

**Mona Yassin**, M.D., fellow in pediatrics, received a \$3,150 grant from the Wyeth Pediatrics Neonatology Research Fund for a project titled "The Effects of Dexamethasone on Hypothalamic-Pituitary-Adrenal Axis in Preterm Infants." ...

**Ernst K. Zinner**, Ph.D., research professor of physics, presented a paper titled "Isotopic Microanalysis of Interstellar Dust" during the German Meteorological Society's 71st annual meeting held in Munich. He also gave talks on interstellar dust at the University of Paris and at the universities of Turin and Catania in Italy.

## Speaking of

**Engin D. Akarli**, Ph.D., associate professor of history, presented a paper titled "Abdulhamid II (1876-1909) and the East-West Dichotomy" at a conference held in Bad Homburg, Germany. The conference, titled "Ideology, Education and the Formation of National Identity in the Ottoman Empire During the Hamidian Era, 1876-1909," was organized by the Werner-Reimers Stiftung organization in Bad Homburg and the Institute for the History of Southeastern Europe at Ruhr University in Bochum, Germany. ...

Several faculty members and graduate students in the Department of Political Science presented papers at the American Political Science Association's meeting held in Washington, D.C. **Barry Ames**, Ph.D., professor, and **David Nixon**, a graduate student, presented "Understanding New Legislatures: Observations and Evidence From the Brazilian Congress." **William Lowry**, Ph.D., assistant professor, spoke on "Paved With Political Intentions: Managing the National Parks of Canada and the United States." **Robert H. Salisbury**, Ph.D., Sidney W. Souers Professor of American Government, delivered a paper titled "Must All Politics Be Local: Spatial Attachments and the Politics of Place." **James Spriggs**, a graduate student, presented "The Impact of the Supreme Court on Federal Administrative Agencies Policy Outcomes, 1954-1990," and **Howard Wong**, a graduate student, spoke on "Explaining Variation of Programs and Services for the Homeless Within Different Areas of Chicago." ...

During a meeting of the Missouri Speech and Hearing Association held in Jefferson City, **Lisa S. Davidson**, school audiologist at the Central Institute for the Deaf (CID) and lecturer in audiology in CID's Department of Speech and Hearing, presented "Cochlear Implants in Prelingually Deafened Children." ...

During the Symposium on Biophysics of Hair Cell Sensory Systems held in Groningen, Holland, **Julius L. Goldstein**, Ph.D., research professor of electrical engineering in the Department of Speech and Hearing at the Central Institute for the Deaf (CID) and a scientist in CID's Research Department, presented a paper titled "Exploring New Principles of Cochlear Operation: Bandpass Filtering by the Organ of Corti and Additive Amplification by the Basilar Membrane." ...

**Peter Heath**, Ph.D., associate professor of Arabic, was an invited participant at the Salzburg Seminar on "Arab/Muslim and American Societies: Issues of Mutual Understanding" held in Salzburg, Austria. The seminar was sponsored by the Fulbright Commission for Educational and Cultural Exchange Between the United States of America and the Arab Republic of Egypt. ...

During the European Atherosclerosis Society's 62nd EAS Congress held in Jerusalem, Israel, **Gustav Schonfeld**, M.D., Kountz Professor of Medicine and director of the Division of Atherosclerosis, Nutrition and Lipid Research, presented a talk titled "Update of Lipid Lowering Treatment in 1993." ...

**Kristin E. S. Zapalac**, Ph.D., assistant professor of history, delivered a paper on "The Imagination of the Thoughts of Their Hearts': A Reformation Re-vision of the Relation Between Idea and Image" during a conference held at the Institute for Advanced Study in Princeton, N.J. The conference, titled "Meaning in the Visual Arts: Views From the Outside," was a centennial commemoration of art historian Erwin Panofsky's work.

## On assignment

**John R. Bleeke**, Ph.D., associate professor of chemistry, has been appointed to the editorial advisory board of *Organometallics*, the American Chemical Society's journal of organometallic chemistry. His term runs from Jan. 1, 1994, through Dec. 31, 1996. In addition the National Science Foundation awarded him a \$242,200 three-year renewal grant for his project titled "Synthesis and Reactivity of Aromatic Metallacycles." The grant provides \$242,200 in total costs over the three-year period.

## Etc.

The art work of **Kevin J. Garber**, lecturer/research associate in fine arts, is on

display this month in the Goshen (Ind.) College art gallery. The work, titled "Three Generations Generate Art," is a collaborative exhibit of three generations: Garber, his uncle Abner Hershberger, professor of art at Goshen College, and Abner's uncle, Ezra Hershberger, a retired associate art professor at Goshen. Garber guided the project, which the trio worked on for two years.

## 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 Carolyn Sanford, Campus Box 1070. Items must not exceed 75 words. For information, call Carolyn Sanford at 935-5293.



**Masahiko Furukawa**, president of Mitsubishi Kasei Corp., an integrated chemical company headquartered in Tokyo, examines a poster that focuses on chromosomal proteins of the fruit fly, *drosophila*, with **Sarah C. R. Elgin**, Ph.D., professor of biology, during a tour of James S. McDonnell Hall. In 1988 Furukawa's company donated \$500,000 toward the construction of the hall. Furukawa was in St. Louis to visit staff at his company's subsidiary, Western Lithotech. During Furukawa's visit, Chancellor William H. Danforth and his wife, Elizabeth, co-hosted a luncheon for him at the University House.

## Daniel Keating named associate dean of law school

**Daniel L. Keating**, J.D., professor of law, has been named associate dean of the School of Law, Dean Dorsey D. Ellis Jr., J.D., has announced.

Keating succeeds Ron Levin, J.D., professor of law, who served as associate dean for three years and has returned to full-time teaching and scholarship.

"Dean Levin's performance in this demanding position was outstanding," said Ellis. "Dean Keating is already on his way to fulfilling the duties of the position in the same dedicated manner."

As associate dean, Keating primarily works with the faculty on academic matters, represents the School of Law in various University-wide issues and serves as the administration's liaison on law school committees. Keating also fills in for Ellis during the dean's absence and serves as counsel on academic matters at the school.

## Aging and Development Program seeks volunteers

The Department of Psychology's Aging and Development Program is seeking volunteers for studies examining aging.

Adults age 20 and older are needed. Most studies can be completed within one and a half hours. Volunteers will be paid up to \$10 for their participation.

For more information, call the program at 935-6546.

Keating's initial appointment is for three years, during which time he will carry out his new responsibilities and continue to teach two law school courses.

Keating joined the law school in fall 1988 after working for two years as an attorney at the First National Bank of Chicago. He graduated in 1986 from the University of Chicago Law School, where

he was a member of the Order of the Coif, an associate editor of *The University of Chicago Law Review* and a John M. Olin Fellow in Law and Economics. In 1983 he received his bachelor's degree in English and psychology from Monmouth (Ill.) College, where he graduated summa cum laude and first in his class.

## Campus Authors

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

Soviet literary culture amid a political backdrop is the subject of a new book by **Anatoly Vishevsky**, Ph.D., assistant professor of Russian. In *Soviet Literary Culture in the 1970s: The Politics of Irony*, Vishevsky writes about the popular culture of the Soviet intellectual during the years of post-Stalinist thaw. Hope and faith were in short supply among Soviet liberals by the late 1960s, and irony was the direct product of disillusion and despair over the apparent abandonment of the promising post-thaw ideals and values. This period that ended with the beginning of *perestroika* and *glasnost* also was the incubator of many processes now prevalent in the country's literature and culture, according to the author. Although censorship kept this ironic world view off the main stage of Soviet literature, it surfaced in peripheral forms, including stand-up comedy, songs of the "bards" and short stories in periodicals and newspapers. A major part of the book is devoted to a corpus of writing never before treated critically: the ironic stories that appeared in the late 1960s and 1970s in Soviet humor periodicals and in the humor pages of newspapers and magazines — appearing for the first time in English in this book. (University Press of Florida, Gainesville, Miami and other locations)



# Opportunities & personnel news

## Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990.

### Assistant Accountant

940030. *Engineering Accounting*. Requirements: 18 hours of college business courses, including six hours of accounting course work; ability to use/willing to be trained to use mainframe computer, including financial on-line system (FIS, SIS, ELIG, FOCUS); ability to use personal computer, including spreadsheet software (Word-Perfect); confidence in verbal ability; ability to deal effectively with University personnel; typing 45 wpm with accuracy. Clerical tests and three letters of recommendation required.

### Receptionist

940064. *Alumni and Development Programs*. Requirements: High school graduate; one to two years secretarial/receptionist experience or training; typing 40 wpm with accuracy; good command of English language; alert, well-spoken, well-groomed, pleasant, often will be first contact and make first impression on alumni, parents, students, donors and friends of the University and should do so calmly, politely and efficiently. Clerical tests and three letters of recommendation required.

### Departmental Secretary

940065. *Alumni and Development Programs*. Requirements: Associate's degree, bachelor's degree preferred; strong background in personal computer; excellent verbal and written skills; pleasant, professional manner with co-workers, volunteers, vendors; able to handle multiple tasks in an organized, accurate and timely manner; able to work extra hours if necessary; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

### Support Center Supervisor

940069. *Accounting Services*. Requirements: Associate's degree in related field, including two years of basic scientific and manual skills as is offered in many technical institutes and junior colleges, or an equivalent degree of on-the-job training; proven supervisory ability; demonstrated customer-service skills; excellent interpersonal and communication skills; working knowledge of personal computer skills; excellent attendance record; experience with Bell & Howell ABR200 microfilmers, Pitney Bowes 6100 mail machines and IBM 3812 laser printers is a definite plus. Resume and three letters of recommendation required.

### Receptionist/Data Entry Clerk

940072. *General Services*. Requirements: High school graduate, some college preferred; ability to deal cordially with the public, typing 40 wpm with accuracy. Clerical tests and three letters of recommendation required.

### Secretary/Receptionist

940074. *University College*. Requirements: Two years of college, associate's degree preferred; typing 50 wpm with accuracy; ability to handle multiple tasks and establish priorities under pressure; ability to meet public in a pleasant and professional manner; stamina (requires some deliveries of correspondence and packages across campus). Clerical tests and three letters of recommendation required.

### Reference Librarian, Part-time

940076. *Business*. Requirement: ALA-accredited MLS. Employee will be responsible for all operations in the library during the weekend, will implement and interpret policy. Schedule: noon-6 p.m. Saturdays, 1-6 p.m. Sundays and 3:15-7:15 p.m. two weekdays. Resume and three letters of recommendation required.

### Staff Development Officer

940079. *Olin Library*. Requirements: Master's degree in library science or related field preferred; academic background in personnel administration, adult education, psychology or counseling preferred; demonstrated skill in training adults to acquire new skills; use prior knowledge of training and maximize transfer; understanding of the role of the research library in higher education; expertise in library operations preferred; sensitivity and responsiveness to staff needs; excellent oral and written communication skills. Application deadline is Nov. 1. Resume and three letters of recommendation required.

### Public Service Coordinator

940085. *College of Arts and Sciences*. Requirements: Some college, associate's degree preferred; ability to respond to young people with warmth, courtesy and efficiency; ability to handle multiple responsibilities and tasks; willingness to work cooperatively and independently, take initiative, arrange and manage workflow; ability to become acquainted with college and university procedures and services; knowledge of word processing programs and willingness to learn data base; typing 35 wpm with accuracy. Clerical tests and three letters of recommendation required.

### Receptionist/Secretary

940086. *English Department*. Requirements: High school graduate; cheerful and courteous; flexible, attentive to detail, able to set priorities and work on numerous tasks with constant interruption; working knowledge of University procedures is preferred; general office experience; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

### Word Processing Operator, Part-time

940089. *School of Social Work*. Requirements: Some college, associate's degree preferred; ability to proofread own work; transcription experience; above average knowledge of English grammar and spelling; ability to train personnel; pleasant telephone manner; ability to work with students, faculty, administrators and staff under minimum supervision; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

### Cashier

940090. *Accounting Services*. Requirements: One year cash-handling experience or one year bookkeeping experience or three semester hours of accounting; must be courteous, tactful; ability to organize and control a heavy volume of work; high clerical and mathematical aptitude preferred; excellent communications skills; ability to deal effectively with people; proficiency in the operation of office equipment with CRT experience preferred. Clerical tests and three letters of recommendation required.

### Librarian, Part-time

940091. *School of Social Work*. Requirements: MLS; experience with reference sources (social work); knowledge of on-line searching, preferably RRS and PSYLIT on SILVERPLATTER. Resume and three letters of recommendation required.

### Co-Assistant Manager, Part-time

940092. *Campus Post Office*. Requirements: High school graduate; must be knowledgeable of postal regulations and requirements; able to prepare daily U.S. Postal Service Financial Report; must be bondable; must pass University Health Service physical exam; U.S. postal experience preferred. Application and three letters of recommendation required.

### Systems Administrator

940096. *University Registrar*. Requirements: Bachelor's degree; work experience in computer systems and automation. Resume and three letters of recommendation required.

### Public Service Assistant

940097. *University Registrar*. Requirements: Some college, bachelor's degree preferred; ability to work well with people in public service environment. Clerical tests and three letters of recommendation 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 362-4920 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a resume 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.

### Animal Caretaker

940099-R. *Comparative Medicine*. Tyson Research Center. Schedule: Full time, including some weekends, holidays and overtime. Requirements: High school graduate or equivalent; must be able to work with and handle animals; must have valid driver's license and ability to drive truck or van; should have manual skills and dexterity and be able to lift up to 50 lbs.

### Professional Rater II

940182-R. *Psychiatry*. Requirements: Master's degree; writing, editing and data analysis skills. Will be involved in multi-research projects dealing with drug and alcohol use and HIV risk behavior.

### Secretary II

940185-R. *Ophthalmology*. Schedule: Part-time, 20 hours per week, flexible hours, Mondays-Fridays. Requirements: High school graduate or equivalent; experience with Lotus 1-2-3 and Microsoft Word; ability to interact with patients and staff; typing 50 wpm.

### Medical Research Technician

940223-R. *Hematology*. Requirements: Bachelor's degree with one year experience in a molecular biology lab; theoretical and practical knowledge of cell biology; work with isotopes and potentially toxic solvents, bacteria strains and tissue cell cultures.

### Secretary I

940230-R. *Transportation*. Schedule: Part-time, 20 hours per week, normally 9 a.m.-1 p.m. but hours may switch as needed. Requirements: High school graduate or equivalent; good communication and customer-service skills; must have WordPerfect and spreadsheet experience; some knowledge of accounting procedures; typing 60 wpm.

### Clinical Lab Tech

940237-R. *Obstetrics and Gynecology*. Requirements: Three years of college with an interest in working in a diagnostic clinical lab, prefer college graduate with knowledge of microscope and understanding of human genetics; knowledge of human cytogenetics a plus.

### Systems Manager

940247-R. *Internal Medicine*. Requirements: High school graduate or equivalent, bachelor's degree highly preferred. Individuals with technical certification combined with two to three years experience in VAX systems management or advanced operational control.

### Head Technologist

940263-R. *Neurology*. Requirements: Bachelor's degree in biological science or related field; several years experience in small animal surgery; experience in biochemical research and analysis preferred; must be willing to assist less senior technicians in procedures.

### Research Instructor

930330-R. *Renal*. Requirements: Ph.D. with some work experience; must be familiar with molecular biological techniques and cell tissue culture; ability to work well independently and with others.

## Into the Streets spurs hands-on help — from page 1

ton. "When the students work with children at a community center, they see the need for improved education and better employment opportunities. They can take a look at the whole picture and see its effect on children."

For Stanley, putting on a full-size Barney costume with a "huge" head was a small price to pay for assisting the carnival organizers, who collected cash and food for those in need. "I've always been interested in hunger and homelessness," said Stanley. "I want to help collect food for those who don't have much. Operation Food Search is a good organization and I thought it would be a nice place for me to help out."

And the Barney-adoring children couldn't have been happier. "I was amazed at how many people know Barney," said Stanley, who was a volunteer at St. Patrick's Center and the Salvation Army Hope Center during last year's Into the Streets. "There wasn't a child out there who didn't recognize Barney and most of them came running up to me. Some of them were more curious and tried to tear my suit off. Others wanted to hug me and rub the fur (on his costume). On TV, Barney always hugs the kids."

Stanley's hectic schedule last year spurred him to participate in Into the Streets. "I was so busy I didn't have time for regular community service every week," said Stanley, who also helps rehabilitate abandoned houses in low-income neighborhoods through the Campus Y's Adequate Housing for America group. "Into the Streets allows you to get a taste of volunteerism. You go to a certain

agency and see what they do and you help out. At the end of the day, you reflect upon your experience. If nothing else, you've learned about one more agency and one more way you can help out.

"More Washington University students should participate. There are so many people with their causes. They have their vigils and sit-ins and they write letters. Then they don't do anything. Hands-on help is much more effective than just sitting back and complaining."

Pam Billiet, a first-year business major from Nashville, Tenn., served as a volunteer for the Cochran Community Center in downtown St. Louis, where she passed out roller skates and helped three- and four-year-olds learn to skate. "It's nice to get out and help people. It makes you feel good," said Billiet, who has volunteered for flood relief efforts as well. "The kids just welcomed us. They felt good because we came out to see them."

As a volunteer for Food Outreach/St. Louis Effort for Aids, junior Mark Arnold was impressed that such a large volunteer agency exists to help people cope with the disease. "There were people from all aspects of the community helping out — teachers, parents, a judge," said Arnold, who helped package meals for AIDS patients. The volunteers distribute food and make sure the AIDS patients eat because many are too tired to cook, explained Arnold, an architecture major from Corpus Christi, Texas. "It was really great to see the compassion that people have."

— Carolyn Sanford