

Washington University School of Medicine

Digital Commons@Becker

Washington University Record

Washington University Publications

2-23-1995

Washington University Record, February 23, 1995

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

Recommended Citation

Washington University Record, February 23, 1995. Bernard Becker Medical Library Archives.
<https://digitalcommons.wustl.edu/record/680>.

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.



Sarah Spurr, associate professor and assistant dean of the School of Art, confers with Dwayne Robinson, a senior at Vashon High School, about production of "Diary of Colors," an art and literary newspaper created by inner-city teenagers. Spurr is project coordinator.

'The colors of life'

School of Art faculty, students help inner-city teens produce newspaper

"Diary of Colors," a new art and literary newspaper produced by a team of inner-city teenagers, will be hitting the streets soon thanks to a collaborative educational program of the Washington University School of Art and The Forum for Contemporary Art.

The project began last fall as volunteer instructors from the School of Art and the forum began meeting the 10 teenagers on Saturdays. In these workshops, School of Art faculty and students, along with other volunteers, taught the group communications skills.

"We want to give these kids a voice on issues that affect them and their neighborhood," said Sarah Spurr, associate professor and assistant dean of the School of Art and project coordinator. "The newspaper project has a lot to offer in terms of empowerment."

The newspaper has become a labor of love for the teenagers who are participating in the forum's "New Art in the Neighborhood" educational program, which was initiated last year to help the forum strengthen ties with neighbors.

The forum is located at 3540 Washington Ave. in Grand Center, a neighborhood that includes the Fox Theatre, St. Roch's Catholic Church and the Blumeyer Housing Project. Most of the teenagers involved in the arts program attend neighborhood middle and high schools.

"We want these teenagers and their families and neighbors to get involved with the forum and to benefit from its presence in the neighborhood," Spurr

said. "It's important to the forum to be an active participant in the neighborhood."

Describing themselves as "young people with a multicultural perspective trying to see the colors of life," the students have written their own press releases for distribution to area high school newspapers. In their release, they ask other teens to send in ideas for positive, uplifting stories, including tips on job possibilities, style, fashion, music, nature, science and technology. The paper will cover "what people do" and "what's happening" around St. Louis.

The ultimate goal of the "Diary of Colors" staff is to have its student-written newsletter published as a regular insert in a local newspaper, such as the Riverfront Times, the St. Louis American or the St. Louis Post-

"All day, especially at midnight, the drug dealers and the gang bangers come out to play hard ball with people like me and my family all around the world."

Excerpt of story written by Vashon High School senior Dwayne Robinson

Dispatch. The students plan to invite editors from various local publications in for a full sales pitch sometime this spring but at this point, no exclusives are being offered. The staff is willing to customize its newsletter to make it suitable for insertion in more than one paper. During the Saturday workshops, volunteer instructors teach the students about photography, illustration and the use of typography. The teenagers now are well versed in the use of computers in graphic design, including sophisticated software programs.

Spurr continues to coordinate the program, but she has plenty of help with the teaching, including volunteer efforts

Continued on page 6

'Contract With America' could cut student financial aid, research dollars

Last November's electorate outcry for smaller government, lower taxes and a balanced budget may have significant repercussions in the higher education community. With a Republican majority in both the U.S. House of Representatives and the U.S. Senate, some of the education cutbacks suggested by previous administrations may be reincarnated, including possible cuts in student financial aid and research. At Washington University, this could translate to millions of dollars in discontinued federal funding.

Chancellor William H. Danforth addressed the impact of the new Republican Congress on higher education at a recent Board of Trustees meeting. The new Congress also was the subject of a Jan. 25 panel discussion at the George Warren Brown School of Social Work with James Davis, Ph.D., professor of political science, and Pam Lokken, director of the Office of Governmental Relations. The panel was moderated by former U.S. Sen. Thomas Eagleton, LL.B., University Professor of Public Affairs.

The Republican representatives' "Contract With America" calls for a reduction in taxes, protection of Social Security and increased spending in selected areas such as defense and law enforcement. Fulfilling the goals of the Contract With America would mean substantial cuts in the relatively small portion of the budget that remains. That portion of the budget supports higher education, research and student aid. Along with a cut in taxes, Republicans are pressing for a Balanced Budget Amendment to the U.S. Constitution.

"Balancing the budget by the year 2002 under the Balanced Budget Amendment

would take at least \$1.2 to \$1.6 trillion in spending cuts," said Lokken. "Half of what the federal government spends money on — Social Security, defense and interest on the national debt — are off-limits. That means across-the-board cuts of at least 25 to 30 percent in all other programs."

To date, proposed federal cuts affecting universities total about \$29 billion over five years. The conservative estimate of impact on Washington University, should all these cuts come to pass, totals approximately \$20.3 million per year, Lokken said.

"In order for Congress to meet its promises to cut taxes and balance the budget, specific programs of interest to higher education are targeted for elimination and reduction. What we will do is fight for the programs that are important to Washington University students and faculty, like student financial aid and research funding," Lokken said.

Eliminating interest subsidies

Proposed cuts indicate the elimination of the In-school Student Loan Interest Subsidy for students with federal Stafford loans. Currently the government pays the interest on student loans while a student is in school. Eliminating this program would save \$9.6 billion over five years. Washington University students could lose about \$600,000 in interest subsidies a year. The Stafford Loan Program has been the single most effective form of federal aid for Washington University students. Without this subsidy, student loan debt would increase dramatically.

"Recent national focus group interviews revealed that most people think the

Continued on page 8

Carl Tolman, former chancellor, dies at 97

Carl Tolman, 11th chancellor of Washington University, died from complications of a stroke Monday, Feb. 13, at his home in Kirkwood. He was 97 years old. During his 68-year association with Washington University, Tolman served many academic and administrative posts, including professor and chair of geology (now the Department of Earth and Planetary Sciences), dean of the Graduate School of Arts and Sciences, vice chancellor, dean of faculties, and chancellor.



Carl Tolman

"Carl Tolman was for 68 years one of the great people at Washington University," said Chancellor William H. Danforth. "As a friend, as a faculty member, and as an academic leader, he was always far-sighted and wise and kind and gentle. We will all miss him."

Tolman came to Washington University as an assistant professor of geology in 1927, the year he received a Ph.D. from Yale University. Tolman also earned a master of science degree from Yale in 1925 and an undergraduate geology degree from the University of British Columbia in 1924. Before college, Tolman, who was born to American parents in the northwest territories of Canada in 1897, served with the Canadian Expeditionary Force on the Western Front. During World War I, he was badly wounded and taken prisoner in 1917.

After the war, in 1919, he was repatriated from Germany and discharged with significant disability. Shortly after his discharge, Tolman began a career with the Geological Survey of Canada, which included geological reconnaissance in the mountains of British Columbia and the Precambrian terrain of Quebec.

When Tolman accepted his first teaching post at Washington University, he was actively involved in several geological organizations, including the Quebec Bureau of Mines, Missouri Geological Survey, U.S. Geological Survey and numerous mining organizations in the United States, Canada and abroad. He continued these scientific and professional associations, and his work ranged from geological exploration to detailed geological mapping and mineral deposit investigation. His specialty was economic and Precambrian geology, and much of

Continued on page 7

In this issue ...

Welghing the odds..... 2
Surgeons' experience and patients' history are key in choosing gallbladder removal method

Stopping a killer..... 3
Arnold W. Strauss, M.D., and colleagues have identified numerous genetic mutations that cause Sudden Infant Death Syndrome

Finding solutions..... 6
Architecture students design emergency shelters for homeless

Medical Update



Movie patron Marvin Nieberg learns about assistive learning devices from Elizabeth Mauzé, an audiologist at Central Institute for the Deaf (CID). Mauzé and CID volunteers recently were at the Galleria 6 Theatres in Richmond Heights to bring attention to the fact that, in compliance with the Americans With Disabilities Act, these devices now are available in many area movie theaters. Local movie patrons can ask at the box office for assistive devices, which benefit people with mild to profound hearing impairment.

Risk factors

Patient history should play role in deciding gallbladder removal method

An estimated 650,000 Americans will have their gallbladders removed this year because of painful gallstones. The method of choice is laparoscopic surgery — a procedure that removes the organ through a half-inch incision in the patient's abdomen.

The procedure, which arrived in the United States six years ago, is popular because its small incisions mean less pain and a faster recovery for patients.

In up to 10 percent of laparoscopic gallbladder surgeries, however, unexpected findings during the operation can make it risky to continue. To avoid serious complications, surgeons often switch to the traditional approach and remove the gallbladder through a large abdominal incision.

Until now, surgeons had no way to predict which gallbladder patients were more likely to have a problem that could warrant switching to a large incision. New research from the School of Medicine identifies several risk factors that may help surgeons pinpoint these patients before surgery. Awareness of the risk factors may help surgeons prevent serious injuries to their patients, said Steven M. Strasberg, M.D., professor of surgery and the study's lead author. The study was published in the December 1994 issue of the *Journal of the American College of Surgeons*.

The researchers found, of the 628 patients who underwent elective laparoscopic gallbladder surgery, those most likely to undergo a switch to a large, traditional incision had a medical history of gallbladder inflammation, had experienced 10 or more gallbladder attacks, were over age 65 or were male.

The investigators also found that surgeons were more likely to switch to a large incision if they had performed fewer than 50 laparoscopic gallbladder surgeries. This suggests that experience plays a role, Strasberg said.

The researchers recommend that surgeons who infrequently perform laparoscopic gallbladder surgery or those who have performed few of these procedures, such as surgeons-in-training, be aware of the risk factors.

"If they have a patient with one or more risk factors, they should ensure that an experienced surgeon is available to assist in the laparoscopic procedure or refer the patient to a more experienced colleague," Strasberg said. "Patients also should feel comfortable asking their surgeon how many laparoscopic gallbladder surgeries he or she has performed."

No patients in the study experienced serious complications, such as injury to the bile duct, from laparoscopic surgery. That's due, in part, to surgeons' willingness to convert to a large incision soon after the first sign of difficulties, Strasberg said.

Injury to the bile duct, which carries bile from the liver to the stomach, can be life-threatening and almost always results in a prolonged hospital stay. While these injuries are rare in traditional gallbladder surgery, they are slightly more common in patients undergoing the laparoscopic surgery.

In the study, surgeons converted 32 patients (5.1 percent) to a traditional, large incision. The surgeries were performed by Strasberg and Steven Gallinger, M.D., at Mount Sinai Hospital in Toronto, Canada.

When to convert

The most common reasons for conversion are related to obstruction of the surgeon's view. In laparoscopic surgery, surgeons operate using long-handled instruments and a miniature video camera that are inserted through four half-inch incisions. The video camera projects a magnified image from inside the body to TV monitors, where surgeons focus their attention.

Adhesions, bleeding and gallbladder inflammation all can contribute to obscuring a surgeon's view. If the surgeon can't see well enough to correctly determine the anatomy, the patient should be converted to an open incision, Strasberg said.

In 66 percent of the converted patients, the reason for switching to an open incision was dense adhesions related to inflammation from prior gallbladder attacks. Twelve percent of patients were converted because of bleeding. The bleeding was easily controlled once the surgeon con-

verted to a large incision. No patients required a blood transfusion.

Using the study patients' records, the researchers determined that 7 percent of the patients were at high risk for conversion to large incision. These patients either had a history of acute gallbladder inflammation or were men over 65 who had experienced more than 10 gallbladder attacks.

Patients in the high-risk group faced more than a 30 percent chance of conversion to a large incision. This compares with patients in the low-risk group, which had less than a 1 percent chance of conversion.

Compared with traditional gallbladder surgery, laparoscopy offers patients a shorter hospital stay, usually one day, and a one- to two-week recovery period. Conventional surgery often requires a 6- to 9-inch incision and up to five days in the hospital followed by a four- to six-week recovery period.

The advantages of laparoscopic surgery make it attractive to patients. But Strasberg cautions that surgeons should weigh the multiple risk factors and their own experience when deciding whether to avoid more technically challenging laparoscopic gallbladder surgeries.

— Caroline Decker

CenterNet conference scheduled for March 1

Bruce C. Vladeck, Ph.D., administrator of the Health Care Financing Administration, will be the next speaker for CenterNet, the Academic Health Center Television Network. He will speak from 12:30 to 1:30 p.m. on Wednesday, March 1, in Room 607 of the Medical Library and Biomedical Communications Center.

Vladeck will address Medicare and Medicaid issues affecting academic health centers. Viewers from medical centers nationwide will be able to ask Vladeck questions during the video-conference.

For more information or to reserve a seat, call 362-2793.

BJC Health System offers patient care improvement grants

The BJC Health System has begun offering grants for projects that investigate ways to improve healthcare delivery within the BJC system.

The new grant program, called the BJC Innovations in Healthcare Program, is open to all BJC employees as well as School of Medicine faculty and staff involved with clinical operations at BJC.

"Washington University faculty and staff are very tightly integrated in healthcare delivery at Barnes, Jewish and St. Louis Children's hospitals," said Bradley Evanoff, M.D., assistant professor of medicine and co-director of the Innovations in Healthcare Program. "We are looking for ways to improve care at BJC, and we hope medical school faculty and staff will participate in this program."

The program will be administered by the BJC Center for Quality Management. It will consider projects designed to improve coordination of clinical services, to test innovative approaches to patient care (including new therapies or diagnostic procedures) or to increase the efficiency of system operations by improving quality or lowering costs.

Those interested in applying for grants must obtain an application packet and submit their proposals by March 15. Selected grants will be awarded July 1.

A maximum of \$20,000 will be awarded for individual projects. Projects must be completed within 18 months. Another cycle of applications, review and funding will take place later this year.

Applications will be reviewed based on the following standards:

- The proposed project should be consistent with the program goal, which is to improve the value of BJC's healthcare delivery.

- It should be a clearly defined project with a measurable outcome.

- Innovative change should be the goal.

- The study should have the likelihood of completion or implementation at BJC.

An informational meeting will be held from noon to 1 p.m. on Monday, Feb. 27, in the Shaffer Conference Room in the McDonnell Medical Sciences Building.

To obtain a grant application packet, call Diana Bose at 454-8696 or contact her by electronic mail (bose@osler.wustl.edu).

Record

Editor: Deborah Parker, 935-5235, Box 1070

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

Executive editor: Susan Killenberg

Editor, medical news: Diane Duke,

362-9662, Medical School Box 8065

Assistant editors: Carolyn Sanford,

935-5293; Susannah Webb, 935-6603,

Box 1070

Production: Galen Harrison

Record (USPS 600-430; ISSN 1043-0520), Volume 19, Number 21/Feb. 23, 1995. 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 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

Strauss studies cardiac diseases in children

In 1975, after Arnold W. Strauss, M.D., finished a pediatrics residency and a fellowship in pediatric cardiology at St. Louis Children's Hospital, he approached the head of the pediatrics department at the School of Medicine about joining the faculty. Philip R. Dodge, M.D., encouraged Strauss to first undertake research training to further his aspirations for an academic career.

Dodge then suggested that Strauss talk to P. Roy Vagelos, the head of the biochemistry department, about doing research in his laboratory. "I thought Strauss was very talented, and I called Roy and said, 'This is a winner. You've got to take him,'" recalled Dodge, now professor emeritus and lecturer in pediatrics.

Strauss, a quick learner, went on to become one of the most productive young scientists in Vagelos' laboratory. Today, Strauss is director of the Division of Cardiology for the Department of Pediatrics and professor of pediatrics and of molecular biology and pharmacology. He also is on the cutting edge of pediatric cardiology research and has a reputation as an outstanding physician and teacher.

"When he joined my lab, he had a reputation of being an excellent clinician, and he was one of those people who are able to be excellent both at the bench and the bedside," said Vagelos.

"These people are very few and are extremely valuable at medical schools."

Soon after Strauss went to work in his laboratory, Vagelos was offered a position at Merck & Co. Inc. in Raritan, N.J., as chief of research. As Strauss tells it, Vagelos went to Merck and also took his entire 25-member staff with him. "He was committed to helping us learn research, so he took us all to New Jersey."

Strauss said his two years in Vagelos' laboratory at Merck were when he "sort of fell in love" with doing research. "That was a great time because I had to do research — I couldn't practice medicine. I didn't see a patient for two years."

At the end of the two years, Dodge offered Strauss a teaching position at Washington University and Vagelos wanted him to stay at Merck. "It was a bit of a decision," he said. "But I just felt committed to Dodge in part and also really liked taking care of patients. And I believed in the sort of academic lifestyle of being able to investigate and look into things without a profit motive."

The son of a Methodist minister and a homemaker who always helped the less fortunate, Strauss said his decision to go into medicine was a natural one. "I think I got interested in medicine because I liked science and related subjects in school, and my family was very oriented toward care of other people. I think medicine is the obvious combination."

Strauss' high school French teacher was the person who influenced him the most academically, and when the time came, encouraged him to apply to Ivy League schools. "I guess you could say she was the one who introduced me to a high-powered academic life," he said.

Strauss was accepted at Stanford University on a full academic scholarship and moved to California in 1966 without ever seeing the school. Because he had grown up in the small town of St. Joseph, Mich., Stanford was very different from anything he had experienced. He became involved in the Vietnam War protests and said he believes going to Stanford shaped beliefs he still holds.

Although Strauss knew he wanted to be a doctor, he decided to major in philosophy. He thought studying ethics would be a good foundation for his career.

The path to Washington University

While he was at Stanford, he applied to Washington University's medical school. In those days, Strauss recalled, the dean of admissions did all the interviewing himself and decided who would be chosen during student interviews. "He met with a number of us at Stanford, individually, and after about 20 minutes, he told me I had been accepted."

During his junior year of medical school, he decided he wanted to be a pediatrician. Dodge, his attending physician during his pediatric rotation, made a big impression on him. He thought Dodge was unusually insightful in treating his patients.

Strauss' decision to specialize in cardiology was more complicated. He greatly admired the chief of pediatric cardiology at the time, David Goldring, M.D., and liked cardiology because he felt as if he could make a difference with the very sick children in the Intensive Care Unit. But Strauss also was interested in endocrinology.

Fate intervened, however, and Strauss decided to become a pediatric cardiologist, as he jokingly tells the story. The person he needed to talk to in endocrinology was out of town, and when it came time to make a decision, the cardiology fellow tipped the scales in favor of cardiology over a beer.

Strauss has no regrets about his decision and said he believes cardiology is the perfect specialty for him.

for two years. He taught me a lot, and I taught him a lot. It was a very mutually beneficial time."

For about four years, the two researchers studied how proteins travel from where they're made inside a cell to the bloodstream. In the mid-1980s, the same question also surfaced about mitochondria, which are the energy sources or "powerhouses" of cells. Strauss wanted to explore how proteins cross membranes to get into mitochondria. "And the reason I started getting interested in it was that no one else was really working in the area, it was new and nobody really understood it. We were really interested in a very basic question: How do proteins move around in the cell?"

Strauss and the others in his laboratory began applying

this research to SIDS in 1987, when Dan Kelly, an adult cardiology fellow, began working in Strauss' laboratory. He was interested in human mutations that caused heart disease.

Bountiful research

Their interest was based on an earlier finding by a group of Danish researchers. In the early 1980s, this group of Danish researchers recognized a deficient form of the enzyme Medium Chain Acyl-Coenzyme A Dehydrogenase (MCAD) in some cases of SIDS.

Strauss' laboratory then cloned the gene and confirmed its link to fatty acid metabolism. "Kelly really was the main impetus for us moving in that direction and was extremely productive in the laboratory, just like Jeff Gordon had been. And that sort of changed the whole focus of what we had been doing," Strauss said.

If MCAD is faulty, it cannot complete its mission of converting fatty

acids into energy. Sugars provide a human's fuel for four or five hours and then the body begins using fatty acids as a major source of energy, especially in the heart, Strauss explained. But if MCAD isn't working, energy gradually gets cut off, damaging the heart and liver.

"This has turned out to be a very fruitful area and was a novel area and actually still is," Strauss said. "There are very few other people who work in this area."

Strauss and his laboratory have identified numerous faulty forms of MCAD and also have found that deficiencies in other enzymes needed to break down fat can cause SIDS. One of their latest findings is the MCAD mutation named G583A, which can kill babies only a few days old.

Major advances have been made in SIDS research in the last 10 years. Strauss said researchers in the area went from knowing virtually nothing to discovering there are at least 10 enzymes with almost 25 different mutations and knowledge there must be hundreds more in this pathway.

Contributing to the body of knowledge about a disease like SIDS, he said, has been one of the most satisfying aspects of his career. "I think the idea that by doing research you contribute something that helps change people's lives — not just one person's life but the community — is what really makes what I do most satisfying."

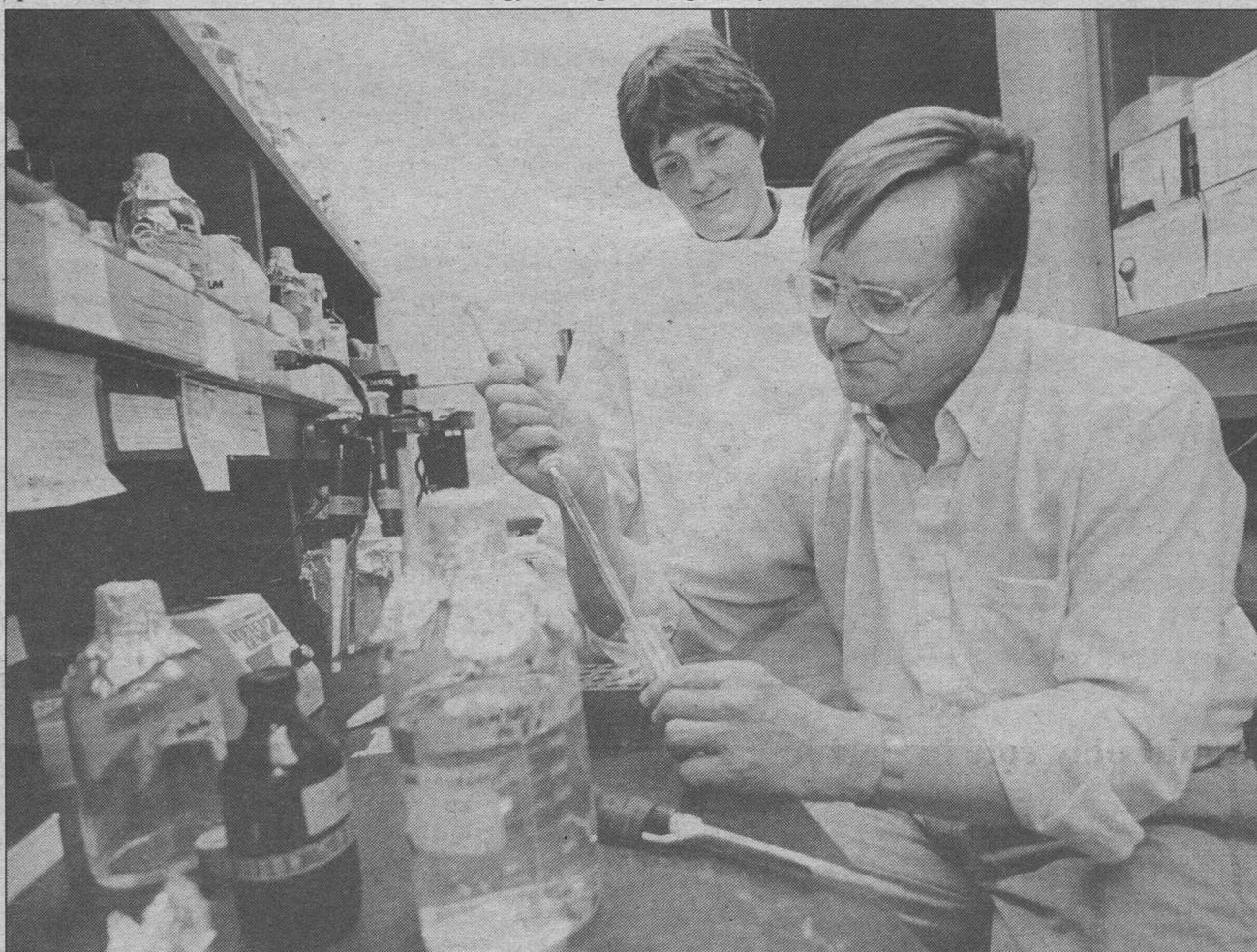
Strauss said training his fellows and watching them become productive scientists is a bit like watching your children become adults. "Jeff Gordon is doing stuff that nobody else in the world is doing, and Dan Kelly is doing some really, really interesting things, and I know they're going to contribute for another 30 or 40 years. I feel like I'm making a difference."

Strauss has greatly influenced a large number of his fellows, Gordon said. "He serves as a role model to many, many young people who wonder whether it is possible or even desirable to attempt an integration of both science and medicine."

Harvey Colten, M.D., the Harriet B. Spoeherer Professor and head of the Department of Pediatrics, said Strauss also has done a masterful job of guiding the pediatric cardiology division. "Together with the pediatric cardiothoracic surgeons, we now are taking care of large numbers of children with cardiac disease covering the full spectrum of complexities and severity," he said.

Although Strauss' list of accomplishments is lengthy and impressive, his philosophy about his job is simple. "The whole motivation for me in all of this is to help people," he said.

— Diane Duke



Professor Arnold W. Strauss, M.D., and Cindy Powell, M.D., who is doing a fellowship in pediatrics, prepare a gel on genomic DNA.

...by doing research you contribute something that helps change people's lives — not just one person's life but the community...."

Although he is modest and soft-spoken, Strauss' enthusiasm for his job is evident as he talks about the different aspects of research, treating patients and teaching.

He said his wife of 25 years, Patricia, does all of the work at home so he can do his job. He also has two daughters, Natasha and Lara. "My family has influenced me, and I get a lot of support from them," he said.

For Strauss, there are different types of enjoyment in his career. "When you take care of a patient and the patient gets better, this is a very emotionally satisfying short-term pleasure," he said. "But it's not intellectually as satisfying as investigating why they have this disease, and how they got the disease."

Questions in fat metabolism

Strauss studies how defects in particular proteins or enzymes involved in the breakdown of fatty acids cause disease. When enzymes are faulty, they can't do their jobs of converting fatty acids into energy and begin to affect the heart and liver. As a result, these enzyme deficiencies in humans are a major cause of Sudden Infant Death Syndrome (SIDS), Reye's Syndrome, heart muscle disease and skeletal muscle disease.

Strauss began studying fat metabolism when a research fellow named Jeff Gordon, M.D., who now chairs the Department of Molecular Biology and Pharmacology at the School of Medicine, came to work in Strauss' lab in 1982. Their efforts laid the groundwork for the research Strauss continues today. "Jeff worked in my lab

Calendar

Feb. 23–March 4



Exhibitions

"Arts Connection." Features self-portraits by a dozen children from the Darst-Webbe and Peabody housing projects. Through Feb. 25. Sponsored by the School of Architecture with the Center for Contemporary Arts (COCA) and the Guardian Angels Settlement. COCA, 524 Trinity Ave., University City. Hours: noon-8 p.m. Tuesdays through Thursdays; noon-5 p.m. Fridays and Saturdays. 725-6555.

"The Matter of History: Selected Works by Annette Lemieux." Mixed-media art exhibit addresses the Holocaust, the Third Reich and the many personal ways in which war interrupts life. Through March 26. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-4523.

"William H. Gass: Worlds Within Words." An exhibit of the books, letters and manuscripts of William Gass, the David May Distinguished University Professor in the Humanities, author and director of the International Writers Center. Through March 22. Special Collections, level five, Olin Library. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5400.



Films

February is Filmboard's faculty and staff appreciation month. An employee and a guest can attend movies free of charge.

Thursday, Feb. 23

7 and 9 p.m. Filmboard Classic Series. "The Innocents" (1961). Room 100 Brown Hall. Cost: \$3. **For 24-hour Filmboard hotline, call 935-5983.**

Friday, Feb. 24

4 p.m. Jazz Film Series. "Lady Sings the Blues" (1972). Sponsored by the American Culture Studies Institute. Room 149 McMillan Hall. 935-5216.

7 and 9:30 p.m. Filmboard Feature Series. "Dead Poets Society" (1989). (Also Feb. 25, same times, and Feb. 26 at 7 p.m.) Room 100 Brown Hall. Cost: \$3.

Midnight. Filmboard Midnight Series. "Tron" (1982). (Also Feb. 25, same time, and Feb. 26 at 9:30 p.m.) Room 100 Brown Hall. Cost: \$3.

Tuesday, Feb. 28

7 p.m. Chinese Film Series. "A Girl From Hunan" (1986), with English subtitles. Sponsored by the Dept. of Asian and Near Eastern Languages and Literatures. Room 219 South Ridgley Hall. 935-5156.

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.

Wednesday, March 1

7 and 9 p.m. Filmboard Classic Series. "1001 Rabbit Tales" (1982). (Also March 2, same times.) Room 100 Brown Hall. Cost: \$3.



Lectures

Thursday, Feb. 23

11:15 a.m. Social work lecture. "View From an IRG (Study Section): Perspectives on Grant Reviewers," William R. True, assoc. prof. of community health, St. Louis U. Second Floor Conference Room, Administrative Center, 1130 S. Hampton Ave. 935-5741.

1:10 p.m. Social work lecture. "The Common Sense Approach to Child Welfare: Adoption and Foster Care," Zena Oglesby Jr., exec. director, Institute for Black Parenting, Los Angeles. Brown Hall Lounge. 935-4909.

1:30 p.m. Geometry seminar. "Minimal Tori in Complex Projective Spaces (cont.)," Quo-Shin Chi, assoc. prof. of mathematics. Room 199 Cupples I Hall. 935-6726.

2:30 p.m. Mechanical engineering seminar. "Soot Formation Mechanism and Sooting Limit in Diffusion Flames," S.H. Chung, prof., Dept. of Mechanical Engineering, Seoul National U., Seoul, Korea. Room 100 Cupples II Hall. 935-6055.

4 p.m. Chemistry seminar. "Main Group Elements in Unusual Environments," Alan H. Cowley, prof., Dept. of Chemistry, U. of Texas, Austin. Room 311 McMillan Lab.

4 p.m. Molecular oncology seminar. "A Novel Mammary Specific Gene and Its Implication to Breast Cancer," Tim Fleming, asst. prof., depts. of Ophthalmology and Visual Sciences and Genetics. Third Floor Aud., St. Louis Children's Hospital.

4:15 p.m. French lecture. "Simone de Beauvoir sous l'Occupation," Ingrid Galster, prof. of French and Spanish, U. of Aachen, Aix-la-Chapelle, Germany. Hurst Lounge, Room 201 Duncker Hall.

4:30 p.m. Math colloquium. Roever colloquium. "On the Geometry of Conservation Laws," Robert Bryant, prof. of mathematics, Duke U., Durham, N.C. Room 199 Cupples I Hall.

Friday, Feb. 24

Noon. Cell biology and physiology seminar. "Regulation of Intercellular Communication: Why Are There So Many Gap Junction Proteins?" Eric C. Beyer, asst. prof., depts. of Medicine and Cell Biology and Physiology, and assoc. prof., Dept. of Pediatrics. Room 426 McDonnell Medical Sciences Bldg. 362-6945.

Noon. Environmental engineering seminar. "Technical and Regulatory Developments in Groundwater Remediation," Keith Piontek, environmental engineer, CH2M Hill, St. Louis. Room 216 Urbauer Hall.

Noon. Left Forum meeting. "The Civil Rights Movement in St. Louis, A Participant's View," Percy Green, longtime civil rights activist. Lambert Lounge, Room 303 Mallinckrodt Center. 935-6808.

3:30 p.m. Linguistic studies/philosophy-neuroscience-psychology colloquium. "Why Don't Other Species Have Simple Languages?" Terrence Deacon, assoc. prof. of biological anthropology, Boston U., and research assoc. in neuroscience, McLean Hospital, Harvard Medical School. (Reception follows.) Room 110 January Hall.

4 p.m. Geometry seminar. "Classification of PDE Admitting Conservation Laws," Robert Bryant, prof. of mathematics, Duke U., Durham, N.C. Room 199 Cupples I Hall.

4 p.m. Molecular microbiology seminar. "Molecular Handles on Adaptive Mutation," Susan Rosenberg, asst. prof., Dept. of Molecular Genetics and Carcinogenesis, U. of Alberta, Edmonton, Canada. Room 775 McDonnell Medical Sciences Bldg.

4 p.m. Music lecture. "Music, Trance and Neurobiology," Judith Becker, prof. and chair of musicology, School of Music, U. of Michigan, Ann Arbor. Room B-8 Blewett Hall. 935-5581.

Saturday, Feb. 25

11 a.m. Linguistic studies/philosophy-neuroscience-psychology colloquium. "Insights About Mammalian Brain Development and Evolution From Neural Transplantation Research," Terrence Deacon, assoc. prof. of biological anthropology, Boston U., and research assoc. in neuroscience, McLean Hospital, Harvard Medical School. Room 110 January Hall. 935-7445.

11 a.m. University College Saturday Seminar. "The Energy of Freedom: The African American's Protest Ideology and the Rise of American Nationalism, 1945-1965," Gerald L. Early, prof. of English and director, African and Afro-American Studies Program. Room 362 McDonnell Hall.

Monday, Feb. 27

4 p.m. Cognitive psychology colloquium. "Linguistic and Conceptual Control of Visual Spatial Attention," Gordon Logan, prof., Dept. of Psychology, U. of Illinois, Urbana-Champaign. Room 162 McDonnell Hall. 935-6546.

Tuesday, Feb. 28

Noon. Social work lecture. "Evaluation and Measurement of Individual Development Accounts," Shirley Emerson, Deb Page-Adams and Li Chen Chang, doctoral candidates, George Warren Brown School of Social Work, and research assistants, Center for Social Development. Brown Hall Lounge. 935-7433.

4 p.m. Diabetes research group meeting. "Cloning of G-Protein Activated Potassium Channels in Pancreatic Islet Cells," Jorge Ferrer, fellow in medicine (metabolism), Dept. of Internal Medicine. Pathology Library, Room 3723 West Bldg. 362-7440.

4 p.m. Chemistry seminar. "Transition Metals in Organic Chemistry: Peptide-based Phosphine Ligands and Stoichiometric Iron Chemistry," Scott Gilbertson, asst. prof., Dept. of Chemistry. Room 311 McMillan Lab.

Wednesday, March 1

6:30 a.m. Anesthesiology Grand Rounds. "Acute Renal Failure," Steven Miller, asst. prof. of medicine, Dept. of Internal Medicine. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6973.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Women and Mood Disorders," Stephen Pariser, assoc. prof., depts. of Obstetrics and Gynecology and Clinical Psychiatry, Ohio State U., Columbus. Clopton Aud., 4950 Children's Place. 362-3122.

11 a.m. Assembly Series/CHIMES lecture. "A Better Understanding of Washington," Linda Wertheimer, political correspondent, National Public Radio. Graham Chapel. 935-5285.

12:10 p.m. Art exhibit lecture. "Gallery Talk," Connie Homburg, curator, Gallery of Art. Lecture based on the ongoing exhibit "The Matter of History: Selected Works by Annette Lemieux." Gallery of Art, upper gallery, Steinberg Hall. 935-5490.

3 p.m. Math analysis seminar. "Minimal Problems for the Density of the Hyperbolic Metric," Mario Bonk, prof. of mathematics, U. of Michigan, Ann Arbor. Room 199 Cupples I Hall.

4 p.m. Biochemistry and molecular biophysics seminar. "Thermodynamic Signatures of Conformational Changes Induced by Site Specific Protein-DNA Association," Ruth S. Spolar, asst. scientist, U. of Wisconsin, Madison. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, March 2

1:30 p.m. Geometry seminar. Title to be announced. Ed Wilson, prof. of mathematics. Room 199 Cupples I Hall. 935-6726.

2:30 p.m. Mechanical engineering seminar. "The Lateral Buckling of Slender Beams: An Historical Perspective," David A. Peters, prof., Dept. of Mechanical Engineering. Room 100 Cupples II Hall.

4 p.m. Chemistry seminar. "Molecular Self-assembly of Soluble Hydrogen-bonded Aggregates: Organic Synthesis Using Physical-organic Chemistry," George Whitesides, prof., Dept. of Chemistry, Harvard U. Room 458 Louderman Hall.

4 p.m. Earth and planetary sciences colloquium. Carl Tolman Colloquium. "Precambrian Greenstones, Mantle Plumes

and Supercontinents," Kent C. Condie, prof. of geochemistry, Dept. of Geoscience, New Mexico Institute of Mining and Technology. Room 362 McDonnell Hall. 935-5610.

4:30 p.m. Math colloquium. Title to be announced. Ralf Spatzier, U. of Michigan. Room 199 Cupples I Hall. 935-6726.

Friday, March 3

Noon. Cell biology and physiology seminar. "Pumping Ions: Structure-function Studies in a P-type ATPase," Jack H. Kaplan, prof., Dept. of Biochemistry and Molecular Biophysics, Oregon Health Sciences U., Portland. Room 426 McDonnell Medical Sciences Bldg.

Noon. Environmental engineering seminar. "Superfund Reform," Maxine Lipeles, prof., Dept. of Engineering and Policy and acting head, Dept. of Environmental Engineering. Room 216 Urbauer Hall.

1 p.m. Solid-state engineering and applied physics seminar. "Data Distortion Due to Magnetic Media Microstructure," E. Glavin, graduate student, Dept. of Electrical Engineering. Room 305 Bryan Hall.

4 p.m. Microbial pathogenesis seminar. "New Mechanisms of Immune Evasion From African Trypanosomes," John Donelson, prof., Dept. of Biochemistry, Howard Hughes Medical Institute, U. of Iowa, Iowa City. Room 775 McDonnell Medical Sciences Bldg. 362-7059.

6 and 8 p.m. Washington University Association Travel Lecture Series. "The Great Canadian Train Ride," Doug Jones, lecturer and filmmaker. Graham Chapel. Cost: \$4.50. 935-5212.



Music

Friday, Feb. 24

8 p.m. Fortepiano recital. Seth Carlin, prof., Dept. of Music. Program: "Sonata No. 58 in C major, Hob. XVI/48" by Franz Joseph Haydn, "La Chasse" by Johann Ladislaus Dussek, "Sonata opus 34, No. 2 in G minor" by Muzio Clementi, "Variations to 'The Lass of Richmond Hill'" by Johann Hummel, and "Sonata opus 10, No. 1 in C minor" by Ludwig van Beethoven. Women's Bldg. Lounge. 935-5581.

Sunday, Feb. 26

2:30 p.m. Symphony orchestra concert. Directed by Dan Presgrave. Program includes "Threnody to the Victims of Hiroshima" by Krzysztof Penderecki. Saint Louis Art Museum Aud., 1 Fine Arts Drive, Forest Park. 935-5581.

7:30 p.m. A capella invitational performance. "Jammin' Toast" combines the talents of the Fleet Street Singers of Stanford U., Off The Beat of the U. of Pennsylvania, along with the Pikers, WU men's singing group, the Greenleaves, WU women's singing group, and Mosaic Whispers, WU co-ed singing group. (Also, Feb. 25, same time.) Friday's performance features Mosaic Whispers; Saturday's features the Greenleaves. Edison Theatre. Cost: \$6 for the general public; and \$4 for WU students, faculty and staff. 935-6543.



Performances

Friday, Feb. 24

8 p.m. Performing Arts Dept. presents "Blood Wedding," a fiery tale of a young woman who spurs rivalry and revenge by fleeing an arranged marriage. Written by famed Spanish poet and playwright Federico Garcia Lorca and performed by students. (Also Feb. 25, same time, and Feb.

26 at 2 p.m.) Drama Studio, Room 208 Mallinckrodt Center. Cost: \$8 for the general public; and \$6 for senior citizens, WU faculty, staff and students. 935-6543.



Miscellany

Saturday, Feb. 25

8 a.m.-12:30 p.m. Math contest. Open to St. Louis area students. Covers high school algebra, geometry, algebra trigonometry, elementary combinatorics, probability and mathematical reasoning and logic. Holmes Lounge, Ridgley Hall. 935-6763.

Noon-4 p.m. Self-defense seminar. The seminar, sponsored by the WU TaeKwon Do Club, is instructed by John Tompkins, sixth-degree black belt in the Chang-Han style, and covers basic and women's self-defense. Women's Bldg. Dance Studio. Cost: \$20 for pre-registration; \$25 at the door. To register, call Bill Van Zante at 781-5584 or Valerie Montalvo at 935-2056.

6 p.m. Black Alumni Council Scholarship Celebration. "A Tribute to Chancellor William H. Danforth," Terrie M. Williams, author and president, The Terrie Williams Agency, New York. The Cameron Youth Chamber Orchestra and The Bosman Twins will entertain. A portion of the proceeds will benefit Washington-DuBois Scholar-

ship for African Americans. St. Louis Airport Marriott Hotel, I-70 at Lambert Airport. Cost: \$40. 935-5645 or 935-5293.

Sunday, Feb. 26

4 p.m. Literary reading. William H. Gass, David May Distinguished University Professor in the Humanities, author and director of the International Writers Center, will read from his most recent novel "The Tunnel." Sponsored by the Assembly Series and the Bookmark Society. Edison Theatre. 935-5400.

Monday, Feb. 27

7-10 p.m. Office of Continuing Medical Education seminar. "Internal Medicine Review," a series of seminars covering topics from gastroenterology to rheumatology, will be held Mondays through May 22. The topic Feb. 27 is gastroenterology. Speakers are Erik P. Thyssen, clinical instructor, Dept. of Internal Medicine, and Trevor W. Lissos, instructor, Dept. of Medicine. Steinberg Amphitheater, Jewish Hospital. For schedules, cost and credit info., call 362-6893.

Wednesday, March 1

8 p.m. Literary reading. Fiction reading by T.M. McNally, novelist and prof. of English, Webster U. Hurst Lounge, Room 201 Duncker Hall. 935-5190.

Thursday, March 2

8 a.m. Office of Continuing Medical Education workshop. Third Annual General Surgery Refresher Course and Update. Continues through March 4. The Ritz-Carlton Hotel, 100 Carondelet Plaza, Clayton. For schedules, cost and credit info., call 362-6893.

Groundbreaking female journalist discusses reporting on Washington

National Public Radio journalist Linda Wertheimer will give the CHIMES Lecture at 11 a.m. Wednesday, March 1, in Graham Chapel. Her lecture, titled "A Better Understanding of Washington," is part of the Assembly Series and is free and open to the public.

Wertheimer has been with National Public Radio (NPR) since 1971, serving



Linda Wertheimer

award-winning news magazine "All Things Considered." As political corre-

first as the network's congressional correspondent and then as political correspondent — a position that she held from 1976 to 1989. Since that time she has been co-host of the network's

spondent, Wertheimer covered the House Judiciary Committee hearings on the impeachment of President Nixon and has covered state primaries and national conventions during the past four presidential election campaigns. Since 1976, she has anchored NPR's live coverage of nominating conventions and presidential debates.

A 1965 graduate of Wellesley College in Wellesley, Mass., Wertheimer has been credited, along with colleagues Nina Totenberg and Cokie Roberts, with carving a path for women journalists in the previously male-dominated field of Washington reporting. She has been honored with various awards, including a 1988 Corporation for Public Broadcasting award for a series of special reports on the Iran-Contra affair. She won an Alfred J. duPont-Columbia University Citation for her reporting of the 1978 Panama Canal treaty debates live from the Senate floor.

For more information, call 935-5297.

Prospective multicultural students visit campus

The Office of Undergraduate Admission is expecting a record number of multicultural student applicants to visit campus in the next two months. The prospective students were invited to participate in two Multicultural Visit Weekends Feb. 23-26 and March 16-19, during which they will room with current students, visit classes, meet with faculty and administrators, and participate in a long list of scheduled activities.

The weekends were designed last year by student leaders of the multicultural groups on campus in conjunction with the Office of Undergraduate Admission to attract the students who make Washington University a diverse community.

One hundred and forty-five multicultural high school students have registered for the first weekend. And so far, 172 prospective students have signed up for the second weekend.

"Last year the multicultural weekends brought 231 prospective multicultural students to campus," said Cathy Ferguson, coordinator of special visit group programs. "This year, we have 317 signed up and we haven't reached the second weekend's registration deadline. Our stu-

dents are very excited about the numbers."

Most of the students participating in the first weekend will arrive on campus Thursday, Feb. 23, to attend a welcoming reception followed by an Association of Black Students forum and an Asian Students Association meeting.

Throughout the morning of Friday, Feb. 24, the visitors will have the opportunity to visit classes, talk with faculty and students and tour campus. A special program will address the questions of future pre-medical students, and lunch will coincide with a graduate and professional schools program fair. That afternoon, prospective students can attend information sessions presented by Student Financial Services personnel, as well as individual programs offered by the College of Arts and Sciences and the schools. Evening events include dinners and mixers for students and parents.

On Saturday, Feb. 25, visiting students can tour St. Louis in the morning, and attend a presentation by multicultural student groups in the afternoon, a program featuring remarks by Chancellor William H. Danforth and multicultural entertainment in the evening, and a Black Alumni Council Dinner at night.

Orchestra performs tribute to Hiroshima victims

The Washington University Symphony Orchestra, under the direction of Dan Presgrave, will perform Krzysztof Penderecki's "Threnody to the Victims of Hiroshima" during a Sunday, Feb. 26, concert at the Saint Louis Art Museum Auditorium in Forest Park. The 2:30 p.m. concert, sponsored by the Department of Music in Arts and Sciences, is free and open to the public.

"Threnody to the Victims of Hiroshima" is a powerful lamentation for those killed in the 1945 bombing of the Japanese city. Scored for 52 strings, Penderecki's work avoids traditional tonality and calls for the strings to be played in tone clusters, groups of neighboring quarter tones that produce a strong dissonance when sounded together. At times, the musicians play the highest possible sounds that their instruments can produce.

"Threnody" requires virtuosity from

the players for creating certain effects produced by bowing on and below the bridge, and by tapping on the body of the instrument," said Elizabeth Macdonald, director of strings in the Department of Music and the conductor for the piece.

Penderecki, one of the best-known composers of the postwar era, was born in Poland in 1933. He wrote "Threnody to the Victims of Hiroshima" in 1960, a time when experimentation with electronically produced music was gaining popularity in Europe.

The other works on the concert program are "Piano Concerto" by Aram Khachaturian, with Carolbeth True, soloist, and "Symphony No. 7 in A Major" by Ludwig van Beethoven. True teaches piano at Webster University and performs with the St. Louis Jazz Repertory Quintet, as well as with her own Carolbeth Trio.

For more information, call the Department of Music at 935-5581.

Entries sought for book collection contest

Olin Library will accept entries for the eighth annual Carl Neureuther Student Book Collection Competition Feb. 28-March 15. The competition is designed to encourage Washington University students to pursue lifelong learning by reading for personal and intellectual enhancement, collecting books and developing personal libraries.

Awards will be given in undergraduate and graduate categories. First-place winners in each category win \$750. Second-place winners receive \$500.

Collections may be of any size and on any subject, and should reflect the owner's intellectual, personal or recreational interests. Judging will be based on such

factors as thematic unity, personal value to the collector and scope of the collection. Judging will be conducted by a panel of volunteers drawn from the faculty of Washington University and from the St. Louis community.

Any registered, full-time student of Washington University is eligible. Students should submit an entry form, a written bibliography of the collection that demonstrates its scope, and a two- to four-page essay describing the collection and its personal value to the collector.

Entry forms are available from 8:30 a.m. to 5 p.m. weekdays at the Olin Library Administration Office. For more information, call 935-5400.

Sports

Compiled by Mike Wolf, director, and David Moessner, asst. director, sports information.

Women net hoop title, men's streak snapped

Already savoring one of its finest athletic years in school history, Washington University added another University Athletic Association (UAA) championship to its bulging trophy case this past weekend. The women's basketball team assured itself of its seventh UAA title in eight seasons while the men's team saw its school-record 16-game winning streak come to an end at 17th-ranked New York University (NYU).

The women secured their league crown, earning just their second win at fifth-ranked NYU with a 67-62 showing. Senior Jennifer Hendricks, Omaha, Neb., scored a career-high 24 points — including four clutch free throws in the final 19 seconds. With one league game remaining, WU holds a half-game lead over second-place Emory. Even if the Bears were to lose next Saturday to the University of Chicago, WU would claim the UAA's automatic NCAA bid via the tie-breaking formula. Junior Dana Bryant, Franklin, Tenn., led the Bear charge in Friday's 68-53 win at Brandeis University, supplying 18 points on 6-of-7 shooting.

The Bears have won 12 of 13 and are moving into prime position to host a NCAA first round tournament game on Wednesday, March 1.

The men's team stretched its league-record UAA winning streak to 18 games with an 88-73 road victory at Brandeis. The victory gave the Bears their 21st win of the year, which breaks the school mark for victories in a regular season.

WU's bid to become the first UAA men's team to go unbeaten in league play was denied on Sunday as NYU defeated the Bears 82-80. With the loss, the Red and Green also saw their NCAA Division III road winning streak come to an end at 14 games.

This week: Saturday, Feb. 27, vs. University of Chicago (UAA), 5:30 p.m. (women) and 7:30 p.m. (men)

Men's season record: 21-3 (12-1 in UAA)

Women's season record: 18-6 (11-2 in UAA)

Swim teams set standards at UAA

Seven varsity records fell and one NCAA provisional qualifying standard

was met as the WU men and women's swimming and diving teams met the challenge at last weekend's UAA championships. Competing against top-drawer Division III competition, the women finished fourth and the men fifth in the eight-team fields. Perhaps more telling is that out of 200 total "swims," the Bears set personal bests in 123 and season bests in 44.

Senior Omar Ahmad, Manchester, Mo., extended his season by reaching the NCAA "B" standard in the 100-yard backstroke with a WU-record time of :53.27. Ahmad earned all-UAA honors by placing second in both that event and the 50-yard freestyle. He also swam lead leg on a trio of third-place relays. Sophomore Jason Price, Tucson, Ariz., and junior Joe Napoli, Chicago, joined Ahmad on the all-UAA list, with Price placing third in both the 100-yard and 200-yard freestyle and Napoli finishing third in the 100-yard breaststroke. Napoli's time in the 100-yard breaststroke set a new varsity mark, as did his 200-yard breaststroke. Junior Robert Powers, Shreveport, La., bettered his own school record in the 400-yard individual medley.

On the women's side, sophomore Christine O'Brien, Billings, Mont., was the Bears' sole individual all-UAA performer with a third-place showing in the 200-yard butterfly. O'Brien also swam lead leg on WU's third-place 400-yard freestyle relay school-record effort. First-year student Liz Burow, Minneapolis, and sophomore Erin Orzel, Lisle, N.Y., set WU records in the 100-yard breaststroke and 200-yard breaststroke, respectively.

Tracksters head to UAA

Senior All-America Antone Meaux, Cincinnati, already on the top of the 1995 UAA leaderboard in the 55- and the 200-meters, moved to the head of the class in the long jump over the weekend. Surpassing the NCAA Division III provisional standard, Meaux leaped 23-2³/₄ to place third in Saturday's multidivisional Southern Illinois Open. Junior Julie Pearman, Desloge, Mo., led the women's effort, posting the second-fastest time of the UAA indoor season in the 800.

The Bears are idle until the UAA Indoor Championships, to be held March 3-4 in Waltham, Mass.

Architecture students address needs of homeless population

When four Washington University architecture students applied their advanced design skills to specific housing problems in St. Louis they learned more than how to design an emergency shelter. They got an education about the complicated social problems contributing to homelessness and the resources available to such people.

The seminar, titled "Housing for the Homeless," was offered jointly during the fall semester by the Washington University School of Architecture and St. Louis University's School of Law and Department of Public Policy. The semester-long project culminated in a three-hour public presentation this month at St. Louis University by the 10 graduate students and advanced undergraduates taking the class. Thomas L. Thomson, professor at the Washington University School of Architecture and one of three faculty members teaching the course, expected an audience of about 10. Instead, there were 35. Representatives from the Salvation Army, the Housing Authority, numerous lawyers and city aldermen all came to hear the students' suggestions.

The class divided into three groups and each group chose a different segment of the homeless population to focus on: families, individuals with drug dependencies, and individuals with criminal records. Each team comprised a Washington University student in architecture,

and one student each from St. Louis University in public policy and in law. One team had two architecture students.

Homelessness could thus be addressed from three aspects — law, public policy and architecture — by each group and woven into a single cohesive proposal. The 80-page proposals covered everything from funding and acquisition of needed land and buildings to architectural designs for temporary shelters, child care centers, job training and counseling activities. The students' research included meeting with people at various city agencies that provide similar help. There they learned about the complicated funding process involved in providing shelter and services to the homeless. Many people the students consulted attended the final presentation.

The seminar is an important learning experience, said Thomson. "The students learned to collaborate with each other in a multidisciplinary format where they are all going toward the same goal."

Taking a comprehensive approach

In their solutions, each team recognized the importance of combining physical shelter with social services, such as job training, counseling and, in some cases, clinical treatment for drug or alcohol addiction or on-site child care. The proposals included detailed drawings of sleeping, counseling and dining spaces as well as building exteriors.

"The architectural designs were important because the physical reality of a structure and its interior spaces really helps people visualize what is possible," said Jeff Frahm, one of the architecture graduate students in the seminar. "I saw our task as taking the policy part of the proposal and realizing it in a physical sense."

Brenda Drain-Williams, executive director of the St. Louis Housing Authority, was one of the attendees. "All three groups offered a thorough and comprehensive approach to addressing the needs of the homeless population," she said. "As these students indicated, the homeless problem is a complex public policy issue that requires a holistic approach."

In Mara Minarik's project, for example, child care became a top priority because her population group was families, mostly single women with children. First Minarik's group examined what the problems were and what help already was provided by various city agencies. Then they decided what services were important to offer.

"We found that on-site child care had to be provided at every step, from emergency shelter to transitional housing to affordable permanent housing," said Minarik, who is in the dual-degree program at the School of Architecture's Urban Research and Design Program and the George Warren Brown School of Social Work.

In addition to child care, Minarik's group found that job training services, family therapy, and alcohol and drug rehabilitation also needed to be provided.

This group proposed three separate buildings in the Hyde Park area of St. Louis: a shelter for 13 families, transitional housing for 16 families and affordable housing for 31 families. All three buildings are within walking distance but not connected. By creating three related buildings within the community, Minarik said some services for all three groups could be provided at a single location. For example, people using the emergency shelter could walk to the job-training facilities in the transitional housing complex.

Creating a sense of community

The students tried to create a sense of community, both within the buildings and within the neighborhood as a whole.

"One of the most important issues is community involvement," Frahm said he learned. "An ugly building stigmatizes a project like this and if people can see your architectural drawings and they are beautiful, it helps them visualize the finished project and gain their support."

Frahm's project, which also included architecture student Evan Bronstein and St. Louis University students Brian Gagnon and Carlos Provencio, focused on people with alcohol and drug addiction, and mental disabilities. The "metaphorical base of the project" is the Mullanphy Building at 2118 Mullanphy St., said Bronstein. The building, established in 1909 by millionaire philanthropist Bryan Mullanphy, was St. Louis' first homeless shelter and provided help to settlers traveling west.

The four-story building would provide a framework for the program, with a 24-hour emergency shelter in the basement that provided at least two meals a day, shower facilities, sleeping space, personal storage space, and access to counseling for approximately 80 people.

As people move through the program they go higher in the building. The ground floor would house counseling areas, post office boxes and voice mail for residents, as well as dining facilities.

The second and third floors hold single and multi-occupant rooms. The group added the multi-occupant rooms because their research revealed that people going through counseling often benefited from the support of others in the same situation.

The seminar provided critical hands-on experience and affirmed for many of them their interest in homeless issues. "This is definitely exactly what I want to do," said Minarik. Minarik recently was hired in a part-time position at the Historic Preservation and Urban Design Commission for the City of St. Louis. Frahm also works part time at the Regional Housing Alliance, which helps resolve housing problems.

— Debby Aronson



An ironworker for BSI Constructors Inc. helps set the structural steel for the roof of the new psychology building. Construction, which is on schedule, is expected to be completed in fall of 1995.

Newspaper 'empowers' inner-city teens — from page 1

by School of Art lecturer and illustrator David Gray, and Washington University senior art students Moira Lynn Gleason and Joshua Marsh. Other volunteers include Russell Vanacek, a Clayton High School art teacher, and Roseanne Weiss of the forum.

Spurr said the project is exciting because it has so much potential to influence the lives of young people. One objective is to help teens learn that they can make a living from the visual arts.

"These students are learning a lot of very marketable skills and I hope the experience will lead some of them to pursue careers in communications or the arts," Spurr said.

"It's important to me that these students understand how these sorts of careers can empower them and help them make a difference in their lives and the lives of others," she added.

Spurr designed and developed the "New Art in the Neighborhood" program, which began last year with a program that attracted 11 area students, ranging in age from 12 to 17.

Last year, each student wrote a book

about his or her family history — a process that included taking photographs, creating illustrations and designing the final layout.

It took the students a while to settle in and feel comfortable, said Spurr, who admits she was surprised by the group's transition from a somewhat tentative beginning to a more or less self-policed team that came to take the project very seriously.

"The project became very important to the students and their families," Spurr said. "We had a huge crowd of family and friends — about 80 people — who showed up for a two-hour program featuring the students' book projects. Everyone was very impressed and proud of what their children had accomplished."

The "New Art in the Neighborhood" program is made possible through the support of the Monsanto Fund, the Arthur and Helen Baer Charitable Foundation, the Regional Arts Commission and Washington University School of Art.

— Gerry Everding

Campus Watch

The following criminal incidents were reported to the Hilltop Campus Police Department Feb. 13-20. Readers with information that could assist the investigation of these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness on campus.

Feb. 13

10:30 a.m. — A student's bicycle was reported stolen from the rack at Umrath Residence Hall around 11 a.m. Feb. 12.

1:30 p.m. — A student's vehicle was reported damaged while parked in the tennis court lot sometime between 8 a.m. Feb. 9 and 7:30 p.m. Feb. 12.

3:15 p.m. — A student's vehicle was reported damaged near the Millbrook parking garage sometime between 3 and 7:45 a.m.

5:45 p.m. — A student's bicycle was reported stolen from a rack near Cupples II Hall sometime between 3:45 and 5:30 p.m.

Feb. 15

6:23 p.m. — A guest reported that she observed a man in the women's locker room in the Athletic Complex.

Feb. 17

4 p.m. — A student's currency and watch

were reported stolen from Millbrook Apartments sometime between 1 and 2:30 p.m.

11:30 p.m. — A student's textbooks were reported stolen from a book bag in the study room at Rubelmann Residence Hall sometime between 3 and 5 a.m.

Feb. 18

6:15 p.m. — Jewelry belonging to a student was reported stolen from Millbrook Apartments sometime between 9:30 a.m. Feb. 6 and 6 p.m. Feb. 7.

8:20 p.m. — An unknown person reportedly threw a bottle through a window of Alpha Epsilon Pi.

Several students in Umrath Residence Hall and Millbrook Apartments reported that they had received harassing telephone calls from an unknown male caller Feb. 15-19. One student reported receiving harassing calls over the past three weeks.

For The Record

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

Of note

A watercolors exhibit by **Sheldon S. Helfman**, professor of architecture, was displayed at the University City Library. The show, Helfman's 14th solo exhibit, was titled "Sheldon Helfman: Common Ground." ...

Peter D. Lukasiewicz, Ph.D., assistant professor of anatomy and neurobiology and of ophthalmology and visual sciences, received a \$589,049 three-year grant from the National Eye Institute for a project on "Synaptic Transmission and Its Modulation in the Retina." ...

Julio E. Perez, M.D., professor of medicine, received a \$964,235 four-year grant from the National Heart, Lung and Blood Institute for a project titled "Quantitative Ultrasonic Imaging for Myocardial Viability." ...

Diane M. Radford, M.D., assistant professor of surgery, received a \$514,000 four-year grant from the U.S. Army Research and Development Command for a project on "Tumor Suppressor Genes in Early Breast Cancer and Its Progression." ...

James L. Thomas, Ph.D., research assistant professor of obstetrics and gynecology, received a \$536,198 four-year grant from the National Institute of Child Health and Human Development for a project titled "Placental 3B-Hydroxysteroid Dehydrogenase/Isomerase."

Speaking of

Gerald Early, Ph.D., professor of English and director of the African and Afro-American Studies Program, was the keynote speaker during the Balch Institute's conference on the 30th anniversary of the 1964 Civil Rights Act. During the conference, which was held in Philadelphia, he spoke on "The Meaning of Diversity." He also presented a talk on the Harlem Renaissance at the National Alliance of Black

School Educators' annual conference in Los Angeles. ...

During an international colloquium on The Architect and Power held in Paris, **Gerald Gutenschwager**, Ph.D., professor of architecture, presented a paper on the use of building permits and the history of planning in the United States. The colloquium was sponsored by the Finnish Institute in Paris. Gutenschwager was one of only two American participants. ...

Daniel Keating, J.D., associate dean and professor of law, **Lynn LoPucki**, LL.M., William R. Orthwein Professor of Law, and **Ronald Mann**, J.D., associate professor of law, served as panelists at the American Bankruptcy Institute's Regional Bankruptcy Conference for State Trial Court Judges held at the John M. Olin School of Business. The professors discussed trends in bankruptcy scholarship. ...

Charles Leven, Ph.D., professor emeritus of economics, presented a paper titled "Myth and Mythology of Measuring the Quality of Urban Life" at the University of Glasgow in Scotland. His talk was presented to the university's Department of Social and Economic Research. ...

At the Fourth World Congress on Sleep Apnea, **Jay F. Piccirillo**, M.D., assistant professor of otolaryngology and director of the Clinical Outcomes Research Office, delivered a poster presentation titled "Development of the Obstructive Sleep Apnea Quality of Life Measure." Piccirillo co-authored the poster with **Dorothy Edwards**, Ph.D., assistant professor of occupational therapy and of neurology. In addition, **Kenneth Schechtman**, Ph.D., research associate professor of medicine and associate professor of biostatistics, presented a paper on statistical and design problems in sleep apnea research. **Donna White**, data control coordinator in otolaryngology, also was a congress participant. ...

Mark R. Rank, Ph.D., associate professor of social work, participated in a panel discussion on "What the Republican-led Congress Will Mean to Afri-

can Americans" at the University of Missouri-St. Louis. The discussion was part of a seven-week workshop for minority high school students interested in journalism careers. The workshop is sponsored annually by the Greater St. Louis Association of Black Journalists. ...

Doris Rubio, a doctoral candidate in social work, and **Marla Berg-Weger**, Ph.D., associate coordinator of field education and lecturer in the George Warren Brown School of Social Work, presented a talk titled "Role Indication and Caregiver Strain: A Structural Equation Approach" during the American Public Health Association's meeting in Washington, D.C.

On assignment

John Drobak, J.D., professor of law, will advise the Republic of Georgia on drafting its new constitution. He will consult with the drafters on constitutional provisions that can help the growth of a market economy. The project is under the auspices of the U.S. State Department's Conference on Security and Cooperation in Europe. ...

Daniel R. Mandelker, J.S.D., Howard A. Stamper Professor of Law, consulted with the U.S. Council on Environmental Quality on a nationwide study of environmental assessment's effectiveness. He has submitted a working paper to the council on the legal problems raised by environmental assessment. The council expects to file a report with Congress this year. ...

The University of Missouri's board of curators appointed **John C. Morris**, M.D., associate professor of neurology, to the Missouri Alzheimer's Disease and Related Disorders Advisory Board. He was appointed to a four-year term. ...

Alan Templeton, Ph.D., professor of biology, was elected president of the Society for the Study of Evolution. The society, an international group with

membership in more than 50 countries, was founded in 1946 in St. Louis. ...

Cynthia Weese, F.A.I.A., professor and dean of the School of Architecture, served as honorary chair of a benefit event at the Grandel Square Theatre Great Hall in St. Louis. The event, sponsored by the Landmarks Association of St. Louis, featured a booksigning by Mary Bartley, author of "St. Louis Lost," and a tour of the Isaac H. Lionberger House. The house is the only surviving St. Louis work by renowned architect H. H. Richardson.

To press

David Gillespie, Ph.D., professor of social work, wrote an article titled "Ethics in Research" that was published in the Encyclopedia of Social Work. Gillespie also wrote an article titled "Linking Disaster Preparedness and Organizational Response Effectiveness" that was published in the Journal of Community Practice. He wrote the second article with Washington University alumna **Mahasweta Banerjee**, Ph.D., adjunct assistant professor (part time) of social work. ...

Nancy Morrow-Howell, Ph.D., associate professor of social work, wrote an article titled "The M Word: Multicollinearity in Multiple Regression" that was published in the journal Social Work Research and Abstracts. ...

Aaron Rosen, Ph.D., professor of social work, wrote an article on "Problem Specificity and Use of Problem-solving Strategies" that was published in the Journal of Social Service Review.

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, or p72245cs@wuvmd.wustl.edu. Items must not exceed 75 words. For information, call Sanford at 935-5293.

Tolman served University for 68 years —from page 1

his work centered in the great Precambrian Shield of Canada and the St. Francis Mountain Precambrian area of Missouri.

During World War II, Tolman took a leave of absence from the University to serve in Washington, D.C., as a mineral specialist with the Foreign Economic Administration, a government organization concerned with obtaining critically needed mineral supplies from abroad. Upon his return to campus in 1946, Tolman was named chair of the Department of Geology and dean of the Graduate School of Arts and Sciences. He served in both capacities until he was appointed vice chancellor, dean of faculties — the principal academic officer of the University, in 1954.

In 1961, when then-chancellor Ethan A. H. Shepley reached the mandatory retirement age of 65, Tolman was appointed chancellor until he turned 65 the following year. Under his one-year stewardship as chancellor, Tolman successfully steered the University through a time of transition and ended the year with a budget \$30,000 in the black after beginning with a deficit of \$1.5 million. Upon his mandatory retirement from academic administration and teaching, he was appointed professor emeritus of geology.

In 1963, Tolman accepted a senior foreign service position with the U.S. Department of State as science attaché in Tokyo, where he reported on science and related matters in Japan and the Far East. When that assignment concluded in 1965, Tolman transferred to the United Nations to manage a program to help train mining engineers in the Philippines. While in Manila, he helped establish a graduate program in economic geology at the University of the Philippines, where he held the rank of visiting professor of geology.

When he returned to the United States in 1969, Washington University conferred upon Tolman an honorary doctor of science degree, which he added to the honorary doctor of science degree he received from the Missouri School of Mines (now University of Missouri-Rolla) in 1962. His contributions to the field of geology were recognized with the Carl Tolman Symposium on the Geology and Mineral Resources of the Precambrian St. Francois Terraine, Southeastern Missouri, at the annual meeting of the Geological Society of America in 1981.

Tolman, who is listed in past editions of "American Men in Science" and both "Who's Who in America" and "Canadian Who's Who," belonged to the following organizations: Sigma Xi, the scientific honorary, Beta Pi, the engineering honorary, Geological Society of America, Society of Economic Geologists, Mineralogical Society of America, American Association for the Advancement of Science, American Association of Mining and Metallurgical Engineers, the national and Missouri Society of Professional Engineers and the Clayton Rotary Club.

Tolman is survived by his wife of 67 years, Irene Robertson Tolman; two daughters, Lexie (Tolman) Snyder of Severna Park, Md., and Joan (Tolman) Mayer of St. Louis; seven grandchildren; and five great-grandchildren. A memorial service was held Feb. 19 at the First Congregational Church in Clayton followed by a reception at the Whittemore House. Contributions may be made to the Washington University Tolman Fellowship in the Department of Earth and Planetary Sciences, Campus Box 1169, Washington University, One Brookings Drive, St. Louis, Mo., 63130.

Phyllis Ray appointed coordinator of conferences on Hilltop Campus

Phyllis R. Ray has been appointed manager of conference planning and guest housing, effective immediately, according to George Burris, director of Housing and Food Service.

Ray succeeds Jamesetta "Tootie" Williams, who retired as director of conference planning and guest housing on Dec. 31. Ray formerly served as assistant director from 1993-94. "We're very pleased to have someone of Phyllis Ray's quality who is able to step in and take responsibility for our conference program," said Burris.

As manager of conference planning, Ray's responsibilities include scheduling, planning and coordinating all conferences on the Hilltop Campus and overseeing guest housing facilities and ar-

rangements. She additionally coordinates housing for summer school students and



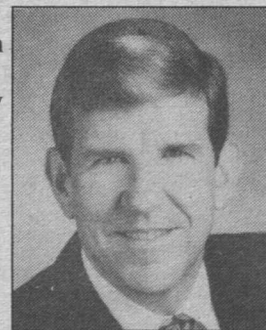
Phyllis R. Ray

hires and trains the 13-member student staff for the conferences, which are held in the summer. Ray came to Washington University in 1987 as an accounting clerk and also has worked as a researcher in Development Services. She received a bachelor's degree in business administration from the University of Missouri-St. Louis in 1992.

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).

"Hands-on Strategy: The Guide to Crafting Your Company's Future" is the title of a new book by **William C. Finnie**, Ph.D., adjunct associate professor of marketing. In the book, Finnie bridges the gap between strategy abstractions of MBA programs and the real world of competitive business. He shows managers how to transform an arsenal of strategic weapons into a coherent strategy that will help them win their daily battles for profits and market share. Drawing on his nearly three decades as a corporate strategist and his years as a business educator, Finnie provides a framework through which to deploy the most effective strategy concepts and paradigms. Step-by-step he outlines a four-cycle approach that has been successfully used in more than 100 corporations. (John Wiley & Sons Inc., New York; Chichester, England; Brisbane, Australia; Toronto; and Singapore)



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. Note: All positions require three letters of recommendation.

Associate Director of MBA Admissions 950147. John M. Olin School of Business. Requirements: Bachelor's degree with formal business education, master's degree in business administration preferred; demonstrated interpersonal and communication skills; ability to deal with a diverse student population; ability to market the MBA program using personal selling and marketing techniques; demonstrated ability to work simultaneously with multiple projects; willingness and ability to travel, including weekend travel; university experience helpful; availability for some evening/weekend programs; sales experience preferred. Resumé required.

Systems Coordinator 950165. University Registrar. Requirements: Bachelor's degree; typing 40 wpm with accuracy; experience with copiers, typewriter, electronic telephone set, filing, mainframe data entry, personal computer word processing. Full job title is Systems Coordinator for Student Records, Commencement and Classroom Scheduling. Clerical tests required.

Men and Women's Cross Country/Track Coach 950170. Department of Athletics. Requirements: Bachelor's degree, master's degree preferred; demonstrated knowledge in cross country, track and field; organizational and administrative competency; supervisory abilities; ability to relate to students. Resumé required.

Administrative Assistant/Support Secretary 950183. Facilities Planning and Management. Requirements: Associate's degree or equivalent knowledge, bachelor's degree preferred; typing 50 wpm with accuracy; computer and word

processing experience; five years general office experience, preferably in maintenance, construction, architectural, or engineering office; organizational skills; ability to set priorities and meet deadlines; attentiveness to detail; dependability; ability to deal with a diverse spectrum of the University community and outside contractors; customer-oriented. Clerical tests required.

Government Grants Specialist II 950198. Accounting Services. Requirements: Associate's degree; four years fund accounting experience, including computer systems, preferably in a university environment; ability to read and understand guidelines for government grants; in-depth knowledge of the Public Health Service system for the electronic transmission of final reports; ability to process and prepare government grants final reports in a timely manner; excellent interpersonal and communication skills. Resumé required.

Mail Services Technician 950199. John M. Olin School of Business. Requirements: High school graduate or equivalent; typing 25 wpm with accuracy; Missouri driver's license with excellent driving record; ability to routinely lift 50-plus pounds; excellent manual dexterity; excellent organizational and communication skills; attention to detail; team player; ability to complete pickups and deliveries in a reliable and timely manner; ability to stand most of the day and carry items upstairs; capacity to learn and retain customer names and locations; knowledge of U.S. mail process; two years of postal or mail service experience preferred, specifically metering mail; familiarity with mail meters and equipment. Clerical tests required.

Director of Computer Support 950200. School of Law. Requirements: Bachelor's degree; three to five years experience in a managerial or technical supervisory role in a computer support department; extensive experience in the operation, maintenance and repair of a wide range of personal computer equipment; experience with NOVELL network administration;

training experience strongly preferred; strong managerial, organizational and planning skills; demonstrated verbal and written communication skills; demonstrated ability to problem-solve and analyze computer support needs. Resumé required.

Coordinator of Custodial Services 950201. Facilities Planning and Management. Requirements: Bachelor's degree preferred; two years supervisory experience preferred, particularly with a quality control emphasis, such as housekeeping department of major hotel chain or hospital; 24-hour availability for emergencies and willingness to work during evening, graveyard shifts and on weekends; ability to accept hands-on involvement; energetic, enthusiastic, personable individual with a passion for detail and thoroughness; willingness to be outspoken about concerns; compassionate attitude in listening to problems; proven ability to take a pro-active approach to management with an obsession for providing the campus community with a pleasing environment that meets their various needs; ability to promote teamwork among the community contractor and University staff. Resumé required.

Executive Secretary 950202. Office of the General Counsel. Requirements: Some college; proficiency in WordPerfect 5.1; typing 60 wpm with accuracy; one year experience in a law firm preferred; self-motivation; ability to perform duties with minimal supervision. This is a floating position between the general counsel's office on Hilltop and Medical campuses. Clerical tests required.

Programmer Analyst III 950203. Computing and Communications. Requirements: Bachelor's degree; good language and people skills; ability to work with minimal supervision; ability to learn quickly and adapt to new circumstances; experience with use and management of desktop computers; knowledge of desktop database technology in a client/server environment highly desired; familiarity with DOS, Macintosh systems; knowledge of

NOVELL, Appletalk, Windows and TCP/IP networking highly preferred. Resumé required.

Senior Project Leader 950206. Computing and Communications. Requirements: Bachelor's degree; strong conceptual, analytical, quantitative and communication skills; five years business systems experience; ability to design and implement information systems; ability to lead others in project development. Resumé required.

Assistant Director of Recruitment (two positions) 950208 and 950209. Office of Undergraduate Admission. Requirements: Bachelor's degree, preferably from Washington University; ability to effectively relate to prospective students and parents; demonstrated leadership ability in extra-curricular activities; flexibility; strong organizational skills; self-motivation; ability to perform effectively in team and individual work settings; willingness to work long days and weekends; a high level of energy; strong dedication toward providing a "personalized touch" is important; a sense of humor. These are two-year appointments with the possibility of an extension. Resumé 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 resumé 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.

Statistical Data Analyst 940663-R. Biostatistics. Requirements: Bachelor's degree, master's degree preferred; SAS experience with data analysis or data management. Will be assisting investigators in the design of experiments, clinical trials and epidemiological studies.

Network Engineer 940772-R. Medical Networking Services. Requirements: Bachelor's degree in computer science or electrical engineering, plus three years related experience; working knowledge of TCP/IP, DECNET, LAT, Appletalk, IPX, LAST, LAD Protocols.

Programmer Analyst I 950541-R. Ophthalmology. Requirements: Bachelor's degree; experience using SAS; experience in research data management preferred; experience with IBM personal computer (DOS and Windows); ability to upload, download and manage disk files and directories.

Project Assistant 950542-R. Ophthalmology. Requirements: Master's degree in public health or epidemiology; three years experience in academic coordinating center, managing clinical studies; experience with statistical and database programming, preferably SAS.

Senior Editorial Assistant 950607-R. Neurology. Requirements: Bachelor's degree; experience with library searches using the computer; ability to learn several word processing packages and the on-line Euclid and Access systems; typing 45 wpm.

Payroll/Personnel Systems Assistant 950618-R. Microbiology. Requirements: High school graduate or equivalent, some college preferred; experience in bookkeeping, accounting or related field; experienced with FIS preferred; typing 50 wpm.

Secretary II 950625-R. Ophthalmology. Requirements: High school graduate or equivalent, some college preferred; knowledge of medical terminology preferred; experience with Microsoft Word/Macintosh; typing 50 wpm.

Coordinator II 950627-R. Gastroenterology. Schedule: Part time, 20

hours per week. Hours: 4-9 p.m. Mondays and Tuesdays, 9 a.m.-2 p.m. Thursdays, and 8 a.m.-1 p.m. Saturdays. Requirements: High school graduate or equivalent; some office-related experience; experience with medical insurance claims/records; IBM-computer experience; typing 30 wpm.

Secretary I 950633-R. Neurology. Schedule: Part time, 20 hours per week, flexible. Requirements: High school graduate or equivalent, some college preferred; experience with library research using computers preferred; typing 50 wpm.

IBC Assistant II/Floater II 950638-R. Washington University Shared Billing Collection Service. Requirements: High school graduate or equivalent; two years related work experience; knowledge of IDX scheduling, BAR and CERNER application systems, third-party reimbursement, including HMO and PPO; knowledge of medical terminology. Position located at West Campus.

Facilities Maintenance and Service Coordinator 950657-R. Olin Residence Hall. Requirements: High school graduate or equivalent; a combination of seven years experience and education, including supervisory experience; hands-on experience as well as theoretical knowledge; ability to organize all housekeeping functions; experience in purchasing.

Manager, Programming and Development 950658-R. Finance Office. Requirements: Bachelor's degree in management information systems, business, management or related field; three years IS project management and supervisory experience; five additional years of system analysis and design.

Systems Network Technician 950687-R. Washington University Shared Billing Collection Service. Requirements: High school graduate or equivalent, bachelor's degree preferred; two years IDX support-related experience; working knowledge of managed care systems, preferably using IDX applications preferred.

University could lose \$20 million yearly — from page 1

(interest subsidy) comes from the bank, not the federal government," Lokken said. "People don't see this as a hand-out. They don't want it cut. Those interviewed believe a college education is a necessary stepping stone to both personal and national success and an investment in America's future. If they had to make a decision between reducing the deficit and cutting student aid programs, most would choose not to cut."

Spending for "campus-based" student aid programs might be reduced by about \$3 billion over five years. Such programs include the Supplemental Educational Opportunity Grant, Perkins Loan, College Work Study and State Student Incentive Grant, which leverages the Missouri Student Grant Program. Without campus-based aid, Washington University could lose \$4.3 million a year.

"From the standpoint of Washington University and its students, cuts of this magnitude amount to the end of a meaningful role for the federal government in assisting students as they fulfill their educational goals," said Dennis Martin, assistant provost and director of financial aid. "Helping needy students attend college has been a national priority since the G.I. Bill in the late 1940s. The current federal student aid programs have their roots in the National Defense Education Act of 1958."

"Aside from the harsh reality that talented students from low- and middle-income families and financially independent graduate and professional students depend upon these programs to attend Washington University, these cuts raise broader public policy issues that touch who we are as a nation and what we value in our people," Martin continued.

Reducing the indirect medical education, or IME, adjustment by 50 percent or more would result in federal savings of \$13.5 billion over five years. The impact at the Washington University Medical Center would be an annual loss of about \$22.6 million. The IME adjustment compensates teaching hospitals and their medical schools for the high costs attributed to the comprehensive services they offer and the involvement of interns and residents in patient care.

Reducing research support

There is a good likelihood that the support costs of federally sponsored research (i.e. administration and facilities) may be targeted for cutbacks. Federal savings of \$1.6 billion over five years could be attained by reducing support costs for federally funded research. These savings could be achieved by a 10 percent reduction in all university support costs, or by imposing an arbitrary rate cap of 50 percent or less on reimbursement for support cost rates.

The overall impact of a reduction in research support costs at Washington University depends on the methodology used — whether it comes in the form of a rate cap or an across-the-board cut, Lokken explained. If reimbursements were reduced to 90 percent of current levels, Washington University could lose about \$5 million a year. If reimbursements were capped at a rate of 46 percent, the University would lose nine points from its current recovery rate, or \$9 million.

Federal funding in a wide variety of research areas, including science, technology, arts and the humanities, also is targeted for cuts.

— Susannah Webb

Q&A

Addressing employee questions concerning the Washington University community

Q: I have a question about the University's health insurance programs. It is my understanding that Washington University has approximately 2,600 full- and part-time employees. Why can't the University's health benefits coordinator find more reasonable rates for health insurance or allow employees to seek individual coverage through other companies and use the health allowance?

A: The University responds to our employees' individual healthcare needs and rising healthcare costs by offering four different plans — two preferred provider organizations (PPO) and two health maintenance organizations (HMO). PPOs and HMOs are the two most effective methods for managing healthcare costs.

The Blue Cross Blue Shield (PPO) health and dental premiums, the Partners (HMO) health rates and the Group Health Plan (HMO) health rates are all based on our University community claims experience. This means that our utilization has a direct impact on our rates.

Containing healthcare costs and the resulting premiums requires a commit-

ment by all of our employees. We must be better healthcare consumers, we must consider network providers, and we must shop and compare prescription drug costs. Because our employees pay the excess premium above the University allowance and because this excess is based on our own experience, we do influence the adjustment of our annual healthcare rates.

To date, the University has not considered offering employees the provision to "opt out" of our group healthcare plan and receive the University allowance.

— Tom Lauman, director of benefits, Office of Human Resources
(Note: Washington University employs 8,542 people.)

Submit questions about the University, which have broad appeal, to Q&A, c/o Susannah Webb, Campus Box 1070, or p72245sw@wuvmd.wustl.edu. Questions will be answered by the appropriate administrator. Though employee questions will appear anonymously in the Record, please submit your full name, department and phone number with your typed question. For information, call Webb at 935-6603.