Astronaut Kathryn Sullivan, the first woman to walk in space, will discuss "The Future of Space Exploration" at 7:30 p.m. on April 9 at Washington University. The event is sponsored by the university's McDonnell Center for the Space Sciences. Sullivan will deliver an address at 7:30 p.m. at the event, which is free and open to the public. Sullivan, who will be in St. Louis April 9-11, is scheduled to meet with members of the Washington faculty and students throughout Thursday.

On Friday, April 10, Sullivan will deliver an address at 7:30 p.m. at the St. Louis Science Center's McDonnell Star Theater in Forest Park. The address by Sullivan is the "First Annual Distinguished Lecturer in the Space Sciences," sponsored by the Science Center in cooperation with Washington University's McDonnell Center. The Associates of the St. Louis Science Center Inc. are providing financial support for the program, which is free and open to the public.

Sullivan served as a mission specialist aboard Space Shuttle mission STS 41-G, which launched from Kennedy Space Center on Oct. 5, 1984. During the eight-day mission, she successfully conducted a three and one-half hour extravehicular activity designed to demonstrate the feasibility of orbital satellite refueling.

In 1985, she was appointed by President Reagan to the National Commission on Space, a 15-member panel that recently examined goals for the future of the U.S. space program. Since joining NASA in 1978, Sullivan's research interests have focused on remote sensing and planetary geology. She qualified as a systems engineer operator in NASA's WB-57F high-altitude research aircraft in 1978 and has participated in several remote sensing projects in Alaska. She was the lead chase photographer for the second manned Space Shuttle flight and was involved in software development for the first and second flights of the Space Shuttle.

Sullivan received a bachelor's degree in earth sciences from the University of California, Santa Cruz, in 1975, and a doctorate in geology from Dalhousie University, Halifax, Nova Scotia, in 1978. She became an adjunct professor of geology in 1985 at Rice University, Houston, Texas, where she has taught since 1984. In conjunction with Sullivan's visit, she will participate April 11 in a "High School Science Teachers Short Course in Planetary Geology," offered by the University's McDonnell Center for the Space Sciences in collaboration with the St. Louis Science Center. In addition to Sullivan, instructors are Raymond E. Arvidson, Ph.D., Washington professor of earth and planetary sciences, and graduate students Jeffrey Plaut and Benoit Rivard.

Challenges facing America
Symposium features science fiction writer

Ben Bova, former editor of Omni and Analog magazines, will be the keynote speaker for Washington University's Council of Students of Arts and Sciences (CSAS) symposium, titled "The Future: Challenges Facing America as She Enters the 21st Century."

Bova, whose lecture is part of the Assembly Series and is free and open to the public, will speak on "The Future: Predicting It and Planning for It" at 11 a.m. Wednesday, April 8, in Graham Chapel.

A science fiction writer, Bova is the author of more than 50 books that examine the impact of high technology in solving present-day problems, and space exploration and its effects on society. Two of his recent books are The High Road and Assured Survival: Putting the Star Wars Defense in Perspective.

A six-time recipient of the Hugo Science Fiction Achievement Award, Bova was Editor of Analog magazine for seven years. He was editorial director and vice president of Omni magazine for four years.

Bova was a technical editor for America's first space project, Vanguard, and worked for 12 years at the Avco Everett Research Laboratory.

Martin Israel named acting dean of faculty

Martin H. Israel, Ph.D., professor of physics, has been named acting dean of the Faculty of Arts and Sciences at Washington University, according to Chancellor William H. Danforth. Israel succeeds Richard N. Rosett who recently resigned as dean.

Israel is associate director of the McDonnell Center for the Space Sciences and is internationally recognized for his research in cosmic-ray astrophysics.

"Professor Israel will bring an understanding of Washington University and the Faculty of Arts and Sciences to this position," according to Danforth. "His administrative and academic experience will be a valuable asset in continuing the forward motion of arts and sciences. His broad appreciation of the liberal arts, his interest in undergraduate education and his international leadership in science will serve the institution well."

Israel served as chairman of the search committee that recommended his predecessor as dean of the Faculty of Arts and Sciences. Israel has served as associate director of the McDonnell Center since 1982.

A 1962 graduate of the University of Chicago, Israel received a doctorate from the California Institute of Technology in 1969. He joined the Washington faculty in 1968.

He is a Fellow of the American Physical Society (APS), and past chairman of the Cosmic Physics Division of APS.

Currently, he is a member of NASA's Space and Earth Sciences Advisory Committee and NASA's Astrophysics Council.

In his research, Israel and his colleagues have developed innovative instruments to study the composition of cosmic rays. These detectors are sent aloft in spacecraft and stratospheric balloons. His pioneering work earned Israel the NASA Exceptional Scientific Achievement Award in 1980.
Afterschool, tutorial program volunteers make impact on youth

Most days, Danielle Eidenberg, Amy Holtzman, J'Laine Krueger, Sam Ramirez and Jamie Lew are busy leading active campus lives. But on Tuesday, Wednesday and Thursday afternoons, these Washington University students put aside their academic roles and become playmates, dance instructors, hand-holders, etc., to a group of very energetic youngsters. It's all in an afternoon's work for student volunteers in the Kinloch (Mo.) Afterschool Program, which is sponsored by the Campus Y.

As part of the program, volunteers work with youngsters age 6 to 12. Kinloch Afterschool is designed for children who have working parents and might otherwise return to an empty home after school. Volunteers also help serve meals to the youth.

In a related program called Kinloch Tutorial, Washington students tutor the youth and participate in games with them. The tutorial program, which has 10 student volunteers, is for children in kindergarten through ninth grade. Both programs are based at the Kinloch YWCA. Tutorial sessions are held on Saturdays.

"These kids really need some direction. They need help in finding out what they want in their lives," says sophomore Amy E. Holtzman, a program leader for Kinloch After-school who is majoring in Spanish and international development. "We try and make them feel good. When we play games, we encourage them to develop their own ideas. It means a lot to them."

"It's genuine love that they're expressing to these children. It's not a front. So many kids don't get that in the home."

—Nonie M. Smith
YWCA director

The after-school program is in its fourth year, while the tutoring sessions began in 1965. Kinloch Tutorial is the Campus Y's oldest community service program. Other tutorial programs sponsored by the Y are High School Tutorial, where volunteers tutor students at University City High School, and Tutoring Bilingual Children, where tutors teach English to foreign students at Hamilton Elementary School.

Nonie M. Smith, center director for the Kinloch YWCA, says the after-school and tutorial programs provide a valuable service to the community's youth. "The volunteers are superb," she says. "They are doing a wonderful job. They're the type of people we need out here."

"It's genuine love that they're expressing to these children. It's not a front. So many kids don't get that in the home."

—Nonie M. Smith

"I want to do that (volunteer) when I get big, so I can help people who need it." A participant in both programs, she is in the sixth grade at Washington Elementary School in Florissant.

But the Kinloch youth aren't the only ones who benefit from the programs. Tutoring helps the University students as well. "It feels good to be needed," says junior Sam Ramirez, a biology major. "The kids get excited when they see us."

"You get so caught up on campus, you forget there's a real world out there," comments sophomore J'Laine Krueger, an art history major. Volunteers who work for both programs, "volunteering has opened my eyes to reality."

"Volunteering also is "fun," says Holtzman. "That's one of the reasons I do it. After a session with these energetic youngsters, I feel great."

Carolyn Sanford

The symposium will include a panel discussion featuring Bova, Martin Israel, Ph.D., professor of physics and associate director of the University's McDonnell Center for the Space Sciences; William McKinnon, Ph.D., associate professor of earth and planetary sciences, and Larry Haskin, Ph.D., Ralph Morrow Distinguished University Professor of Earth and Planetary Sciences. The discussion, continued from p. 1,
titled "The Future of the Space Program," will be held from 2 to 5 p.m. in the Women's Building Lounge. An informal wine and cheese reception will follow from 5:30 to 5 p.m.

A second panel discussion, titled "Looking Forward: The Arts in the 21st Century," will be at 7 p.m. on Thursday, April 9, in the Women's Building Lounge. The faculty panel includes Donald Finkel, poet; Barbara Jones, film critic; Barry Schachtman, painter; Robert Wykes, composer, and Burton Wheeler, moderator.

"We want to make sure that all the symposium events are free and open to the public," Spiegel says.

In addition to the symposium, a special exhibition, "Rocks and Relics," will be held from 2 to 5 p.m. on Thursday and Friday in the Campus Y gallery. The exhibition will feature a display of rocks and minerals, as well as a collection of historical photographs and documents related to the University.

For more information on the lecture, call 889-5285.

‘To be a teacher’ seminar subject

A seminar exploring the rewards and challenges of teaching will be held at 4:15 p.m. Wednesday, April 8, in Room 201, Danziger Hall. The seminar, titled "Looking Forward: The Arts in the 21st Century," was free and open to the public. It was co-sponsored by the University's Department of Education and the Career Center.

Teachers speaking at the seminar will be Washington University alumni Luberta Clay of Childgrove Elementary School, Sandra Snodgrass of Lindberg Senior High School, Amy Spiegel of Childgrove School and Larry Wells of Hillsboro Senior High School. Also speaking at the event will be Ruth Christopherson, an alumna who previously taught elementary school, and Robert Menchhofer, a former businessman currently majoring in education at the University.

Symposium —

He also has served as director of the National Space Institute.

Aside from Bova's lecture, the symposium will include a panel discussion featuring Bova, Martin Israel, Ph.D., professor of physics and associate director of the University's McDonnell Center for the Space Sciences; William McKinnon, Ph.D., assistant professor of earth and planetary sciences, and Larry Haskin, Ph.D., Ralph Morrow Distinguished University Professor of Earth and Planetary Sciences. The discussion, continued from p. 1, titled "The Future of the Space Program," will be held from 2 to 5 p.m. in the Women's Building Lounge. An informal wine and cheese reception will follow from 5:30 to 5 p.m.

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All events are free and open to the public.

CSAS is the student governing board of the College of Arts and Sciences, which sponsors each spring. CSAS chose the symposium topic to devote an academic subject.

Symposium events are co-sponsored by the Assembly Series, Student Union, the Student-Faculty Inclusionary Committee and the Union Undergraduate English Association.

For more information on the lecture, call 889-5285.

Spring concert features violinist

The Washington University Symphony Orchestra will perform its annual Spring Concert at 5 p.m. Sunday, April 5, in Holmes Lounge, Ridgley Hall. The concert is free and open to the public.

Conducted by Seth Carlin, professor of music, the concert will feature violin soloist Manuel Ramos, a member of the St. Louis Symphony first violin section.

For more information on the concert, call 889-5581.

Editor: Sean Killingsworth, 889-5254, Campus Box 1070
Assistant Editor: Bridget McDonald, 889-5302, Campus Box 1070
Editor, Medical Record: Joni Weserhouse, 662-8525, Medical School Campus Box 8065
Contributing writers: Debra Bernardo, Joyce Bono, Tony DiMartino, Regina Engelken, King McKinley and Carolyn Sanford
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Masterpiece of 19th-century American art

A 150-year-old ambassador of goodwill enjoys an active life in the Gallery of Art in Steinberg Hall. Although it no longer embarks on national and international tours, it still makes regular appearances at Gallery exhibitions and poses for photographs to be reproduced in national publications.

The ambassador is the oil-on-canvas painting "Daniel Boone Escorting Settlers Through the Cumberland Gap" by American artist George Caleb Bingham (1811-79), who moved from Virginia to Missouri with his family at the age of nine. Known as "the Missouri Artist," he served in state politics as a legislator, state treasurer during the Civil War and state adjutant general in 1875.

Bingham painted the 30-by-50-inch work in New York City in 1851. Daniel Boone, the central figure, is leading a white horse ridden by his wife. According to Gerald D. Bolas, director of the Gallery of Art, the painting is an allegorical representation of the biblical story of Mary and Joseph's flight into Egypt with their infant, Jesus, to escape King Herod's "massacre of the innocents."

"Daniel Boone as Joseph and Mrs. Boone as Mary are carrying their infant, the young nation, into a new world," Bolas says. Other members of the group in the foreground of the painting are his daughter, her friend Flanders Calloway and an unnamed guide tiring his horse.

The artist's first effort to auction the painting through the American Art Union was defeated. So in 1852, Bingham donated the painting to the Art Union (the New York firm that produced the painting by adding storm clouds and craggy cliffs. Nathaniel Phillips, a piano manufacturer, bought the painting in 1852 in St. Louis.

The history of the painting after the middle 1850s is unclear. Apparently, federal troops seized the painting from a St. Louis auction house and took it to Boston. Phillips must have bought up with his "Daniel Boone," because a Nathaniel Phillips of Boston donated the painting to Washington University in 1890.

The University's first recorded loan of the painting was in 1910 when "Daniel Boone" traveled to an unspecified location in Columbia, Mo. Between 1934 and 1970, it was exhibited in many United States cities, including Los Angeles, Denver, Houston, New York and Washington, D.C. Its international travels have included Spain, Italy, Austria and Belgium.

"Daniel Boone" has attended two New York City's Fairs — one in 1939 (where it remained on loan to the Museum of Modern Art until the end of World War II) and one in 1946 — and has twice visited the Smithsonian Institution in Washington.

In 1970, the administration of the gallery took the painting off the travel circuit because it was too valuable to be loaned. "The painting is without question, the most famous and valuable work in our collection, although nobody knows what it is actually worth," says Bolas.

"The painting was purchased by Phillips, "The Jolly Flatboatmen." was sold in December by Sen. Claiborne Pell, D-R.I., to Richard Manoogian, a Michigan businessman, for $6 million, the highest price paid to date for an American painting. "One of the reasons that painting brought so much is there are not that many Binghams," Bolas says. "As compared to other artists whose works bring record-breaking prices, the supply of Bingham's of the quality of the one purchased by Manoogian is rather small."

Bolas says the acquisition increased the value of Bingham's paintings and represented a new level of interest in his work, "While it is impossible to know the value of our painting, we know it is one of the three or four unique Bingham's in existence today. It is the one great historical painting from Bingham's works."

"Daniel Boone" has been reproduced in publications including American Heritage (1969 and 1977), U.S. News and World Report (1973), Newsweek (1982), the National Park Service's "Cumberland Gap" pamphlet (1985), and advertising for U.S. savings bonds (1977). It also graces a postcard that is sold in the Gallery of Art and the front cover of the Washington University Gallery of Art Illustrated Checklist of the Collection.

The painting has appeared on national network television, in educational films, history books, catalogs, brochures, biographies and fiction about Daniel Boone, newspapers and magazines.

Joseph D. Kern, curator registrar at the Gallery of Art, calls the painting "a masterpiece of 19th-century American art. We fondly consider it an icon of American history. It might be one of the greatest early American history paintings, because it combines not just American history painting, but the American Hudson River landscape style, too."

Bolas adds, "The painting has a well-established place in American mythology. It speaks to the way Americans like to see themselves — as cleanly shaven heroes guiding beautiful women into the light, fulfilling their notion of manifest destiny — while the cameras are rolling!"

"The mystic and nationalistic dimensions amplify the significance of this work," he says.

If you visit the Daniel Boone Government Building (formerly the Daniel Boone Hotel) on Broadway in Columbia, Mo., and think you spot this painting in the lobby, don't be fooled. What you have found is a copy by another 19th-century Missouri artist, W. F. Hardy. The original "Daniel Boone" is not likely to be sold.

Joyce Bono.

Stanley Tasker's new paintings on exhibit in Bixby Gallery

The School of Fine Arts will present an exhibit of new works by Professor Emeritus of Art Stanley Tasker, beginning April 5 to 26, in Bixby Gallery on the campus. An artist's reception will be from 3 to 5 p.m. Sunday, April 5.

The exhibit will feature new paintings by the artist, Libby Reuter, director of Bixby Gallery, says. "Stanley Tasker's excellence as a teacher is already well known. This exhibit will give the public a chance to see the work of Stanley Tasker the artist. Many of the paintings are recent works expressing the landscape of rural Illinois, his home since retirement."

Tasker, who retired from Washington in May 1986, taught freshman and sophomore drawing classes for more than 30 years. He received the Distinguished Faculty Award for excellence in teaching in 1981 and has earned numerous awards and critical acclaim for his landscapes and still lifes. The U.S. Department has commissioned his work, as have private collectors and various groups, including the Washington University Alumni Association.

Born in Scotland, Tasker served as a pilot in the Royal Air Force from 1942-46. He came to the United States under a Ministry of Education grant and studied at the Art Institute of Chicago, where he earned his bachelor's and master's degrees between 1951 and 1953. Tasker joined the faculty of the School of Fine Arts in 1955. In 1958, he pioneered the Summer Art Workshops, where, for a modest fee, talented area high school students come to the University for drawing instructions. This program is still in operation under the direction of Jeffrey Pike, coordinator of illustration in the school's design department.

Bixby Gallery hours are 10 a.m. to 1 p.m. weekdays and 1 to 5 p.m. weekends. For more information, call 889-6597.

Joyce Bono.
MEDICAL RECORD

Campaign locates patients with thin skin

The School of Medicine is one of four centers taking part in a massive national campaign to locate patients with a rare skin disorder called epidermolysis bullosa (EB). The centers — under a five-year, $2 million grant from the National Institute of Arthritis and Musculo- skeletal and Skin Disease — are creating a national patient registry on EB. The registry would compile information about various forms of the disease, and would provide a list of patients who may be interested in participating in research projects.

Other centers collaborating on the registry are the University of Alabama-Birmingham, the University of Washington School of Medicine in Seattle and Rockefeller University in New York, which is coordinating the registry.

"A patient registry is important for many diseases, but it's crucial with EB," says Eugene A. Bauer, M.D., professor of dermatology and director of the EB center at Washington University. "EB occurs so rarely that it's difficult to compile statistics and interpret data unless several centers are collaborating. A patient registry would make that possible.

Washington University is responsible for locating and enrolling EB patients from 14 Midwestern states: Colorado, Indiana, Illinois, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota and Wisconsin.

"We hope to hear from patients or families of patients who have been diagnosed with EB," said Maxine Tabas, M.D., co-director of the center. "We also expect a larger number of patients to be referred by other physicians."

EB is a genetic disorder that causes painful blisters over almost the entire body, as well as in the mouth, and the digestive and urinary tracts. It's often called the "thin skin" disease, because the slightest touch — the friction of clothes, a warm bath — can create blisters.

There are 14-16 varieties of EB, and no known cure. Estimates are that one of every 50,000 infants is born with the disease, which is often fatal. There have been some advances in drugs and dressings, but researchers are still working to improve treatments and to learn more about the causes of EB.

Since EB became eligible for government research funding under the Orphan Disease Act of 1983, there has been a surge in research and a sparking of public and Congressional awareness in the disease. The federal government has allocated $3.9 million for EB research in fiscal 1987.

Scientists at Washington have been studying the biology and treatment of the disease for more than 20 years. Its EB center was created in 1985 through a $25,000 donation from Erythema Epidermolysis Bullosa Research Association (D.E.B.R.A.).

For more information about EB, or to enroll in the patient registry, contact Sheila Gibbons, coordinator at the Washington University EB Center, 362-2304.

Eugene Bauer, M.D., director of the EB center and Maxine Tabas, M.D., co-director, talk to EB patient Bobby Davis from Council Bluffs, Iowa. Davis has Epidermolysis Bullosa, a disease that causes his skin to blister at the slightest touch.

Sobel receives distinguished scientist award

Burton E. Sobel, M.D., Tobias and Horntesc Lewin Professor of Cardiovascular Diseases at the School of Medicine, has received the 1987 Distinguished Scientist Award of the American College of Cardiology. An internationally renowned cardiologist, Sobel was honored both for his outstanding contributions to cardiovascular research and for his ability to inspire young scientists.

Sobel is director of the cardiovascular division at the School of Medicine. His innovative research on heart function has led to treatments such as thrombolytic therapy, which could save thousands of lives each year. In 1984, he published results of a pilot study using an experimental chemical called t-PA, tissue plasminogen activator. In six out of seven patients, t-PA stopped a heart attack in progress by quickly and safely dissolving the blood clot blocking a coronary artery. Comparable results have been obtained in additional studies of more than 200 patients in collaborative trials involving 15 medical centers.

At the medical school, Sobel is director of a Specialized Center of Research (SCOR) that is investigating the heart's response to ischemic injury and trying to identify new therapeutic approaches for heart disease. The research involves 40 scientists from 12 departments, and in 1984 received renewed funding for a five-year program from the National Heart, Blood and Lung Institute.

A faculty member at Washington since 1973, Sobel is chief of cardiology at Barnes Hospital. He received the doctor of medicine degree magna cum laude from Harvard Medical School, held an internship in pediatrics at Washington University, and trained as an assistant in medicine at Harvard Medical School.

Sobel is a member of many professional societies, research advisory committees and editorial boards. Currently, editor-in-chief of the Journal of the American College of Cardiology, he has lectured nationally and internationally, and has published more than 300 articles on his research.

Dental School seeks volunteers

The School of Dental Medicine is seeking volunteers to serve as patients for senior students when they take their licensing examinations this spring.

Volunteers who are selected as patients will receive free dental treatment during the licensing examinations scheduled for May 18-22. To identify suitable candidates, free screenings will be held until April 3 at the Dental School, located at 4559 Scott Ave. near the intersection of Euclid and Barnes Hospital Plaza. The screenings will include medical history, X-rays, an examination and diagnosis of dental work that is needed, but no treatment.

For more information or to make an appointment, call the School of Dental Medicine at 454-0300.

A one-day conference titled "Kids, Chemicals and Families" will bring together four national leaders in substance abuse treatment and prevention on Friday, May 1 at the Clarion Hotel.

This is the 25th annual Community Mental Health Conference. It is being presented jointly by the School of Medicine, Cooperating School Districts of St. Louis County, and Family & Personal Support Centers of Greater St. Louis.

Keynote speaker at the conference luncheon is Susan Forward, Ph.D., ABC Talkradio speaker (KXOK in St. Louis), author, and founder of a sex abuse clinic in California. Her speech is titled "Substance Abuse and Child Abuse ... A Dangerous Legacy."

Mark S. Gold, M.D., a graduate of Washington University and founder of the National Cocaine Helpline and the Psychiatric Diagnostic Laboratories of America, will discuss the cocaine epidemic. Gold has won numerous awards and works closely with the White House and its Office of Drug Abuse Policy.

Rokelle Lerner, M.S., co-founder and director of Children Are People, Inc. an agency that works with children who are substance abusers or have parents who abuse, will discuss the effects of drug abuse on children. Lerner pioneered prevention and early intervention programs for children at high risk of abusing drugs. She also played a key role in creating the "community approach" to chemical abuse prevention.

The conference is being sponsored by Anheuser-Busch Companies and Southwestern Bell Telephone. Elizabeth Smith, Ph.D., research assistant professor of psychiatry at the School of Medicine, is on the conference planning committee.

Cost of the program is $40 if paid before April 15, and $45 after that date. Cost to attend only the lunch session with keynote speaker Susan Forward is $25. Registration information is available through Family & Personal Support Centers at 371-6500.
Kidney stone crusher being tested

The Mallinckrodt Institute of Radiology and the Division of Urology at the School of Medicine will be the first in the U.S. to test a new kidney stone treatment system that uses shock waves to crush kidney stones without immersing patients in water.

One major advantage of the new Lithostar system is that it locates stones and releases shock waves in rhythm with respiratory motion. Because the kidneys move with respiration, accuracy of aim is improved, fewer shock waves are required and healthy tissue is preserved. Another important advantage is that, because the new method eliminates the water bath, follow-up radiographic examinations can be done without moving the patient.

Lithostar, which may also be effective at disintegrating gallstones, is expected to reduce the cost of treatment.

"Lithostar can be a major improvement in technology for the treatment of kidney stones," says Ronald B. Evans, M.D., Elizabeth E. Mallinckrodt Professor and head of radiology and director of the Mallinckrodt Institute of Radiology. "It should be of interest to everyone — patients, because it should be less traumatic; physicians, because it should allow a less complicated treatment; and medical insurance programs, because it should be less expensive."

Children's Hospital sponsors annual 5K run and fun run

Heptathlon world record-holder Jackie Joyner, the nation's top amateur athlete of 1986, and her brother, triple-jump Olympic gold medalist Al Joyner, will host the 4th annual Children's Hospital 5K Run and 1-Mile Fun Run April 18.

The event will begin at 9 a.m. in front of Children's Hospital. Both courses will wind through Forest Park to Steinberg Rink.

The Joyners, natives of East St. Louis, will greet runners, sign autographs and assist in awards presentations following the race. Master of ceremonies will be Bill Wilkerson of KMOX Radio.

Registration forms are available in the Children's Hospital development office, 454-6262. The registration fee is $5, and all participants will receive a commemorative T-shirt.

Bruce McClenann, M.D., professor of radiology (left), and Ralph Clayman, M.D., associate professor of radiology and urologic surgery are principal investigators of a new system that treats kidney stones without immersing patients in water.

Javits award funds Johnson's nerve research

Eugene M. Johnson, Jr., Ph.D., professor of pharmacology at the School of Medicine, will conduct research for the next seven years with more than $900,000 in funding from a Javits Neuroscience Investigator Award.

For the last decade, his laboratory has studied nerve growth factor (NGF), a protein discovered in the 1950s at Washington University by Nobel Prize winners Rita Levi-Montalcini and Stanley Cohen with Viktor Hamburger. Certain nerve cells in the peripheral nervous system — such as those that control blood pressure and those that transmit information about the senses — could not exist without NGF. It may also have the same function with certain nerve cells in the central nervous system.

Johnson has studied how NGF is transported in the nervous system, how it can prevent the death of neurons caused by certain drugs, which types of nerve cells require NGF for survival and how the requirements change as they develop, and the molecular mechanisms that enable NGF to prevent neurons from dying. His work for which the Javits award was given examines how NGF binds to the Schwann cell, believed to be a key cell in fostering nerve regeneration in the peripheral nervous system.

Johnson is the 10th Washington University faculty member to receive a Javits Award since the highly competitive awards program began in 1985. Award recipients are selected three times a year.

The Javits awards, given to investigators who have submitted regular research grant applications for competitive review, encourage research and research training in communicative and neurological disorders. The U.S. Congress gives the awards in honor of the late Sen. Jacob K. Javits of New York, on recommendation of the National Advisory Neurological and Communicative Disorders and Stroke Council of the National Institutes of Health. Javits was a victim of amyotrophic lateral sclerosis (ALS), more commonly known as Lou Gehrig's disease. ALS is a degenerative neuromuscular disease that attacks the nerve cells that control muscles.

Johnson received a bachelor's degree in pharmacology in 1966 and a Ph.D. in medicinal chemistry in 1970 from the University of Maryland.
An expert on occupational safety and health delivered the third Richard A. and Betty H. Sutter Visiting Professorship in Occupational and Industrial Medicine Monday, March 30, at the School of Medicine. Robert Murray, FRCP, OBE, president of the International Commission on Occupational Health, spoke at Clopton Auditorium. His lecture was titled, "The Changing Face of Occupational Medicine in the Twentieth Century." Murray is recognized throughout the world for his efforts to protect the worker in the workplace. He is an expert on the causes of occupational cancer and on how workers are affected by exposure to asbestos, lead and benzene. He is also known for his contributions to the history of occupational medicine.

Educated in Scotland and England, Murray served as a medical inspector of factories in the United Kingdom from 1947-1956. After five years with the Occupational Safety and Health Division of the International Labour Office in Geneva, he returned to England as a medical advisor for the Trades Union Congress. Since 1974, he has been an occupational health consultant, advising the International Labour Organization, the World Health Organization, and various industrial and insurance companies on occupational safety and health. He is visiting professor at the University of Bradford, and chairman of the Occupational Safety Committee of the Medical Commission on Accident Prevention.

St. Louis physician Richard A. Sutter, M.D., and his wife Betty, established the visiting professorship in 1985 to expand the understanding and practice of occupational medicine. Occupational medicine focuses on environment of the workplace and its effects on employee health, preventive medicine for workers, safety factors, and emergency and definitive surgical care and rehabilitation of the industrially ill and injured.

Sutter, who received the doctor of medicine degree in 1935 from Washington University, is founder of the Sutter Clinic, Inc., which since 1946 has provided occupational medical service to more than 1,500 companies in the St. Louis area. He was director of the clinic until 1984, when it was bought by Barnes Hospital.

Sutter continues to serve as a consultant at the clinic. He is also a lecturer in industrial medicine and rehabilitation at the School of Medicine, and is on the clinical staffs of Barnes, Deaconess, and Lutheran hospitals. He was recently named as emeritus member of the International Commission on Occupational Health.

His wife Betty is a former director of the executive committee of the St. Louis chapter of the American Cancer Society and a former St. Louis Globe-Democrat Woman of the Year. She has served as the first president of the St. Louis Tuberculosis and Health Society as well as president of the American Medical Association Medical Auxiliary.

Volunteers needed for diabetes study

Researchers at Washington University are seeking volunteers for a new study that will attempt to learn how friends and family can influence adjustment to diabetes, and whether the disease affects memory and problem-solving.

The study will be conducted by Wemara Lichiy, Ph.D., a postdoctoral fellow with the university's Aging and Development Program, and Cathleen Connell, Ph.D., a research associate with the Center for Health Behavior Research. The work is being done in conjunction with the Diabetes Research and Training Center at the School of Medicine.

Lichiy and Connell are looking at how metabolic control of diabetes may relate to various mental processes, and what types of support friends and relatives can offer to help with adjustment. In the future, the findings will be used to develop programs and individualized treatment plans to improve the patient's self-care.

A total of 240 diabetic volunteers ranging in age from 20 to 69 are needed for the current study. Type 1 (juvenile onset) and Type II (adult onset) diabetics are sought, whether or not their diabetes is controlled. Each diabetic will be seen once and will be paid $10 for participating.

To participate in the study or for more information, contact Lichiy at 889-6222 or Connell at 361-4808.

Lindberg delivers Brodman lecture

Donald A. B. Lindberg, director of the National Library of Medicine, will deliver the seventh annual Estelle Brodman Lecture at 4 p.m. Thursday, Apr. 16, in Moore Auditorium at the School of Medicine.

The lecture, entitled "Towards a Unified Medical Language System," is free and open to the public.

One of the world's foremost leaders in the field of medical informatics and author of numerous books and journal articles, Lindberg has explored the problems of biomedical communication and technology application for more than 25 years.

Before joining the National Library of Medicine, Lindberg was a professor of pathology at the University of Missouri, Columbia. He received his medical degree from Columbia University in New York. He has held many offices and editorships and is a member of the Institute of Medicine.

The Estelle Brodman Lecture is sponsored by the School of Medicine Library and honors the former library director, herself a distinguished authority in the field of information technology.

For more information on the lecture, call 362-2773.

Development names Kraus special programs director

Madeleine Kraus has been named director of Special Programs in the Office of Medical Alumni and Development at the School of Medicine.

Announcement of her appointment was made by Mark W. Bates, assistant vice chancellor and director of alumni and development programs.

In her position, Kraus will assist in major gift development for the School of Medicine including such areas as capital projects, scholarship funds and establishing endowed professorships.

Before joining the School of Medicine, Kraus spent five and one-half years as coordinator of development and public information at Central Institute for the Deaf, a sponsoring institution of the medical center. She also has served on development committees for Smith College, The Anglican Institute, and Community School.

Kraus holds a bachelor of arts degree in history from Smith College in Northampton, Mass.
Charles B. Anderson, M.D., head of the Division of General Surgery, and Gregorio Sicard, M.D., associate professor of general surgery, led a committee meeting of the American Association of Colleges of Medicine to discuss the topic of craniofacial surgery at the annual meeting of the American Association of Colleges of Medicine. Anderson spoke on the "Detection of Failing Vascular Access Grafts" at the University of Washington School of Medicine and Dentistry on April 1 in Newark, N.J. He also spoke on the "Clinical Assessment and Management of a Donor" at the Mid-American Transplant Association Transplant Symposium, held April 3 at the Adams Mark Hotel in St. Louis.

Anthony C. Griffin, a medical school senior, presented a paper titled "The Psychological Effects of Craniofacial Surgery in Infancy: A Follow-up Study of the American Cleft Palate Association meeting held March 14 in San Antonio.

Jeffrey L. Marsh, M.D., director of the Division of Pediatric Plastic and Reconstructive Surgery, participated in a symposium at the University of Amsterdam at Rotterdam, Netherlands. The topic was "Diagnosis and Treatment of Craniofacial Deformities," a study of craniofacial deformities in northern Denmark, he was visiting professor to the Dutch Orthodontic Society and lectured on "Computer-Assisted Imaging for Congenital and Acquired Head and Neck Deformities." He provided a supplemental issue of the Cleft Palate Journal on "Long-Term Results of Craniofacial Surgery." It included his published work on cranial base dysmorphology in craniosynostosis.

Gruka-Catalin Roman, Ph.D., associate professor of computer science, was an invited panelist at the Eighth Technical Symposium of the Special Interest Group on Computer Science Education. The symposium, held on February 19-20 in St. Louis, was organized in conjunction with the ACM Computer Science Conference. The panel’s topic was "Teaching Formal Requirement Specifications." Much of the panel discussion centered on Roman’s experience in teaching "CS 456 Software Engineering Workshop." CS 456, which celebrates its fifth anniversary, has been one of the very first software engineering courses in the nation. The course offers the students the unique opportunity to experience the application of modern software engineering techniques in the context of a realistic simulation of an industrial organization.

Benson named publications director

Mary Ellen Benson, associate director of publications at Washington University, has been named director of publications at the University, effective March 1, 1987.

She succeeds William F. Noblitt, who has been director of publications at the University relations at Rice University in Houston, Texas.

Benson served the University staff in 1981 as publications editor, and became associate director of publications in 1983. Prior to coming to the University, she was a publication manager at the University of Puget Sound, Tacoma, Wash., and a free-lance writer and teacher.

Demetrios Sarantites, Ph.D., professor of chemistry, and four faculty from the chemistry department will make presentations at the American Chemical Society April 5-10 in Denver. Other faculty include assistant professors John Blecke, Ph.D., Andrew Maverick, Ph.D., Lee Sobotka, Ph.D., and John Taylor, Ph.D. Seventeen others associated with the department also will participate. They include senior research associates, one staff member and 12 graduate and undergraduate students.

Lorraine Warren, area coordinator for activities in Residential Life, recently was elected secretary of the American College Personnel Association's Standing Committee on Multicultural Affairs (ACPA-CMA) at their 1987 conference held in Chicago. The overall goal of CMA is to enhance the professional development of ethnic minority members of ACPA within the field of college student development.

Murray L. Weidenbaum, Ph.D., director of the Center for Policy Research and "Public Policy Studies" at Washington University, has been named director of university relations at Rice University in Houston, Texas.

Saroget of Women in Communications Policy Research and "Public Policy and Corporate Takeovers" was presented to the Center for Economic Research Associates, Inc. and the Journalism Foundation of Metropolitan St. Louis.

Unidentified flying egg: Despite the rain, some 200 students and other onlookers turned out March 22 at Shepley Hall for the annual Egg Drop Contest, the finale of Engineers' Weekend. The object was to design a container that would protect a raw egg during successive falls from heights of up to 11 stories. Awards went to Paul Ho, a junior in electrical engineering and biology, who won the contest with his "Titanian Invisible", who won the contest with his "Titanian Invisible", and a surprisingly large number killed themselves shortly after having been beheaded, dropped or crushed.

Bears tie school record for victories

Despite a 66-64 loss to North Carolina Wesleyan College in the NCAA South Regional championship, the Bears' basketball team, coached by Mark Edwards, finished the 1986-87 season as one of the top teams in school history with a 21-7 record. The 21-victory total equalled Washington's record for wins in a season, which was last accomplished in 1964-65.

The Bears advanced to the regional title game with a hard-fought 69-68 decision over Rust College of Holly Springs, Miss., while North Carolina Wesleyan got past Centre College in the other first round contest. In the third-place game, Rust defeated Centre 72-65.

The Bears' Jon Bergman and Kevin Suiter were named to the all-tournament team, with Bergman scoring 36 points and Suiter 31.

WASHINGTON UNIVERSITY FACULTY and staff make news around the globe. Following is a digest of media coverage they have received during recent weeks for their scholarly activities, research and general expertise.

Medicine's new vision — incredible devices that can look into the body as never before are helping doctors to convince neurosurgeons on the effectiveness of the new technology.

Teen suicide — a prominent item in recent national news — is the topic of a lengthy article in the Feb. 22 edition of the Philadelphia Inquirer. In the article, Lee N. Robins, Ph.D., professor of sociology in psychiatry, says, "Young people seem to be particularly vulnerable to shame and a surprisingly large number kill themselves shortly after having been beheaded, dropped or crushed.

When does life end? Doctors and other health care professionals face this dilemma every day. In a Feb. 28 article on this topic in the Philadelphia Inquirer, Lee N. Robins, Ph.D., professor of sociology in psychiatry, says, "Young people seem to be particularly vulnerable to shame and a surprisingly large number kill themselves shortly after having been beheaded, dropped or crushed. When death is near, the person is essentially a question of how you make death neither too easy nor too agonizing and prolonged. Health care providers can expect to continue to be caught in the middle."
CALENDAR

LECTURES

Thursday, April 2


4 p.m. Public Affairs Thursday Series, "Italian and American Unions Compared: One Man's Reaction," Carol Mer shark. WU best prof of political science. Eliot 200 C.


5 p.m. Dept. of Germanic Languages and Literatures presents Swiss writer Paul Niton, WU permanent resident, reading from his work. Hunt Lounge, Duncker Hall.

Friday, April 3
10 a.m. Dept. of Chemistry Lecture, "Re- laxation and Equilibration Processes in Heavy-Ion Collisions." John R. Huizenga, prof. of chemistry and physics, U. of Rochester. Room 311, McMillen.


1-2:45 p.m. Department of Anatomy and Neurobiology O'Leary Prize Presentation. Room 928, McDonnell Sciences Bldg.


3 p.m. Dept. of Mathematics Complex Analysis Seminar, "Integral Representations," Marco Peloso, WU graduate student in mathemat- ics 199 B.


5 p.m. Political Science Department Lecture, "Mrs. Thatcher and the Urban Crisis in Britain," Michael Parkinson, University of Liverpool. Eliot 200 C.

6 and 8:30 p.m. WU Association Film Travel Lecture Series, "Legend of a Lost Crown," Howeder Meyers and Lucia Pertigo, films. Graham Chapel. For ticket info., call 889-5122.

5 p.m. Political Science Department Lecture, "Mrs. Thatcher and the Urban Crisis in Britain," Michael Parkinson, University of Liverpool. Eliot 200 C.

8 p.m. "Stanley Tasker Retrospective Exhibition With New Works," paintings by WU pro- fessor emeritus. Opening reception from 3 to 5 p.m. April 5. Through April 26. Bixby Hall.

10 a.m.-4 p.m. LSAT Test Preparation Seminar, "Practice Exams and Strategies," WU's Center for Academic Development.


8 p.m. Dept. of Germanic Languages and Literatures Lecture, "Romansch and the language of Swiss Germany," Klaus J. Mantheier, Max Kade Dis- trict Professor and Visiting Professor at the University of Michigan. Hunt Lounge, Duncker Hall.


7 p.m. "Know Your Campus." An exhibit of first books by highly regarded British and American authors, drawn from the University Libraries' collection of literature. Through April 30. Special Collections, Olin Library. 889-5122.

7-9 p.m. "Painter's Cap Night at the Rat," WU's discount for their carnival. WU vs. Principia College. Kelly Field.

8 p.m. WU Jazz Band and Vocal Choir Concert. The Garage, McMinnick Center.

EXHIBITIONS

April 2-11

Tuesday, April 7

4 p.m. Lewin Lecture, "The Late Antique Helen," George Kennedy, Professor of Classics, U. of North Carolina. Women's Bldg. Lounge.

Tuesday, April 8
11 a.m. CASYM Symposium, "The Future: Predicting It and Planning for It." Ben Bova, author of The High Road. Graham Chapel.

2:30 p.m. Molecular Approaches to Biology Seminar, "Does Replication of Mitochondrial DNA Use a Non-specific System?" Robert Low, WU ass' prof of palontology and biolog- ical chemistry. Eblingr.

4:15 p.m. Dept. of Education and the Career Center Seminar, "To Be a Teacher," featuring teachers Luberta Clay, Sandra Snod- gery, Amy Spiegel and Larry Wells, all WU. Alana's former teacher and WU alumna Ruth Christop- herson, and Professor Meno- chessforto. WU education major. Marilyn Cohen, author of To Be a Teacher. Director of education at WU will serve as moderator. Room 225.

Thursday, April 9

Thursday, April 10
8 a.m.-4 p.m. "Modern Art." Through April 5. Gallery of Art, upper gallery, 10 a.m.-5 p.m. weekdays. 1-5 p.m. weekends. For more info., call 809-4522.

Friday, April 3
8 p.m. Performing Arts Dept. Presents "A Boy Named Charlie Brown." Sponsored by the WU's Arts Board.

Sunday, April 5
4 p.m. "Amarcord." 210 Ridgley Hall.

MUSIC

Thursday, April 2

Saturday, April 4
5 p.m. Dept. of Music Vocal Recital with Robert O'Conarte and Jacqueline Pellicer, WU undergraduate students in music. McMi- lan Cafeteria.

Sunday, April 5
3 p.m. WU Symphony Orchestra Concert. Holmes Lounge.

Wednesday, April 8
8 p.m. WU Jazz Band and Jazz Vocal Choir Concert. The Gargache, McMinnick Center.

PERFORMANCES

Friday, April 3
8 p.m. Performing Arts Arts Dept. Presents "A Boy Named Charlie Brown." Sponsored by the WU's Arts Board.

Saturday, April 4
4 p.m. "Boy and His Dog." 82 Brown Hall. (Also Sat., April 11, same time, and Sun., April 12, at 2 p.m., Brown.)

WU Filmboard Series, "The Magician." 82 Brown Hall. (Also Thurs., April 9, 4 p.m., Sun., April 12, at 2 p.m., Brown.)

WU Filmboard Series, "A Boy and His Dog." 82 Brown Hall. (Also Sat., April 11, same time, and Sun., April 12, at 2 p.m., Brown.)

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SPORTS

Friday, April 3
3 p.m. "Women's Track and Field," WU Invitational. Francis Field. (Con- tinues Sat., April 4, starting at 10 a.m.)

Saturday, April 4
2 p.m. Baseball Doubleheader, WU vs. Principia College. Kelly Field.

Tuesday, April 7
3 p.m. Men's Tennis, WU vs. University of Missouri-Rolla. Taos Tennis Center.

Wednesday, April 8
3 p.m. Men's Tennis, WU vs. Missouri-Rolla. Kelly Field.

WU Invitational. Francis Field. (Con- tinues Sat., April 4, 11 a.m.-11 p.m.)

Friday, April 10
3 p.m. Baseball Doubleheader, WU vs. Maryville College. Kelly Field.

3 p.m. Men's and Women's Track and Field, WU Invitational. Francis Field.

MISCELLANY

Thursday, April 2
9 p.m. "Mug Night at the Rat," sponsored by the junior men's honorary, as a promotion for their carnival.

Tuesday, April 7
7-9 p.m. LSAT Test Preparation Seminar, "Practice Exams and Strategies," WU's Center for Academic Development.

Thursday, April 9
9 p.m. "Palmer's Cap Night at the Rat," sponsored by the junior men's honorary, as a promotion for their carnival.

Friday, April 10
6 - 11 p.m. Thurne Carnival will be held on the campus parking lot at the corner of Millbrook and Skinner boulevards. (Continues Sat., April 11, from 11 a.m.-11 p.m.) In case of rain, the carnival will be held from 11 a.m. to 6 p.m. on Saturday, April 12.

Saturday, April 11
10 a.m. Thurne Tractor thousand Marathon Race in Forest Park, east of the inter- section of Forbush and skinker boulevards. Race fees are $6 if received before Thursday, April 9, and $8 the day of the race. Packet pick-up and registration will be held at 9 a.m. April 12, in the race starting point. For more info., call 802-2596.

3-3:30 p.m. Host Family Picnic With Inte- rnational Students. Free to International Students. Lawn of Six International House, 61700 Forbush Blvd.

Calendar Deadline

The deadline to submit items for the April 10-25 calendar of the Washington University Record is April 5. All items, including the type and specific time, date, place, name of event, sponsor and admission cost. Incomplete items will not be included. Include speaker's name and identification and the title of the event, also include your name and telephone number. Address items to King McElroy, calendar editor, Box 1070.