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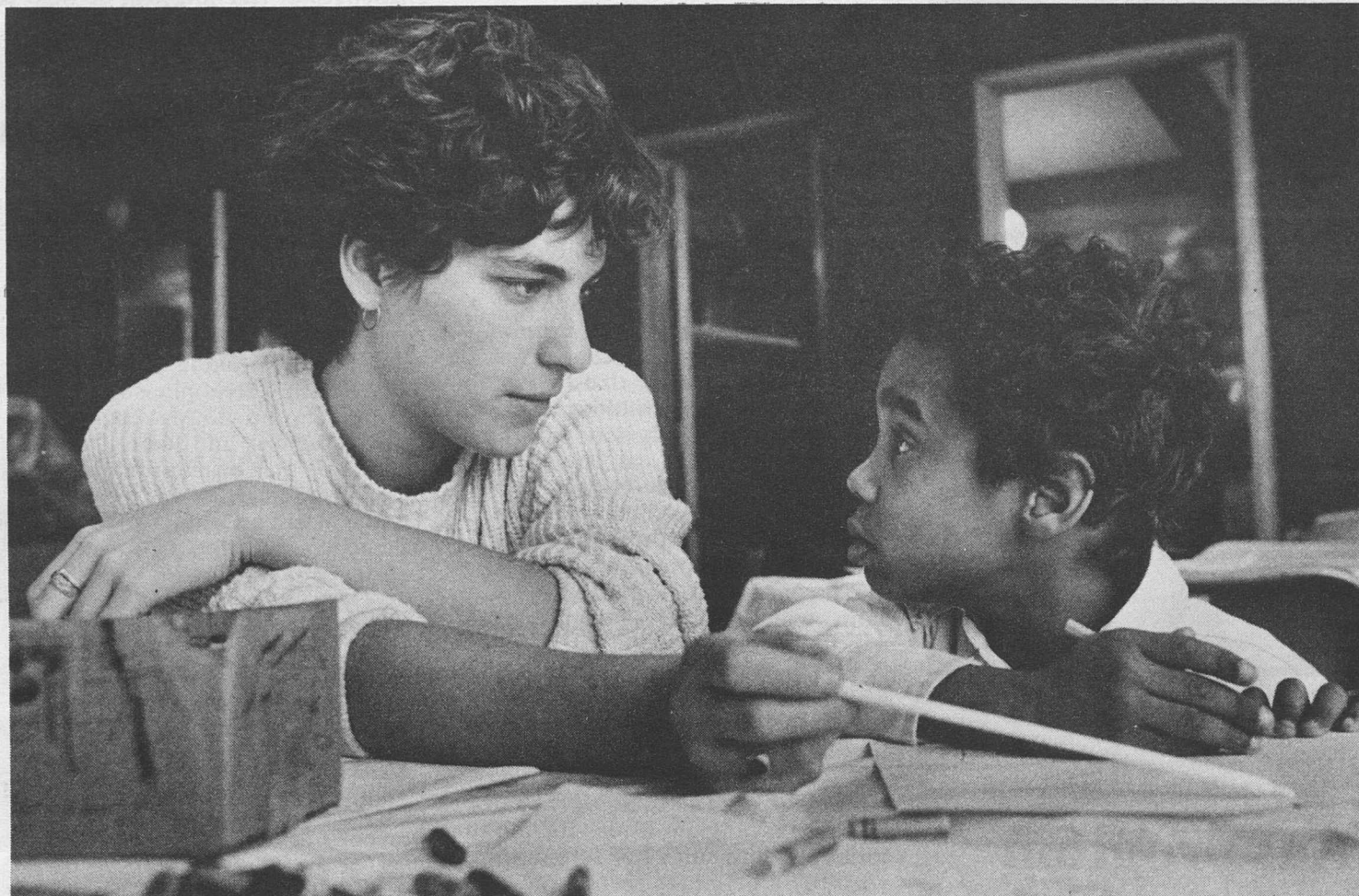
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RECORD

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Vol. 11 No. 28/April 2, 1987



Keeping company: Tyran Harris, 6, a participant in the Kinloch Afterschool Program, enjoys the company of Danielle J. Eidenberg, a Washington University junior majoring in anthropology. As part of the program, which is sponsored by the Campus Y, Washington students entertain and instruct the youngsters, age 6 to 12. Kinloch Afterschool, which is based at the Kinloch YWCA, is designed for children who have working parents and might otherwise return to an empty home after school. The Campus Y also sponsors the Kinloch Tutorial Program. See story on Page 2.

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.

Astronaut to discuss future space exploration

Astronaut Kathryn Sullivan, the first woman to walk in space, will discuss "Future of Space Exploration" at noon Thursday, April 9, in Room 201, Crow Hall, at Washington University. The lecture, which is free and open to the public, is sponsored by the University's McDonnell Center for the Space Sciences and the Department of Earth and Planetary Sciences.

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 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 the second flights of the Space Shuttle.

Sullivan received a bachelor's degree in earth sciences from the University of California, Santa Cruz,

in 1973, 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.

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.

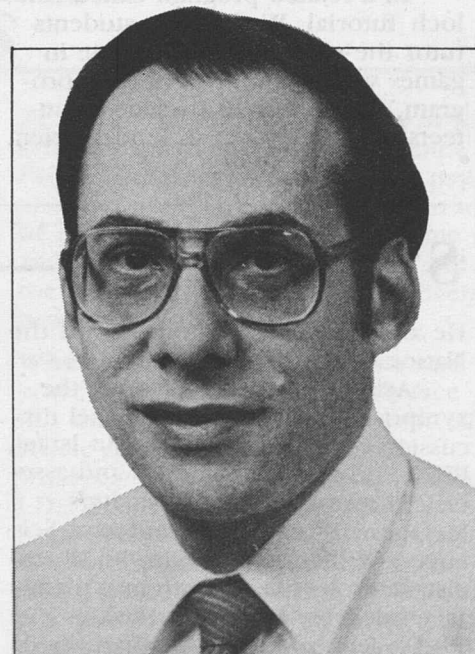
A science fiction writer, Bova is the author of more than 50 books that examine the impact of high

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.

Continued on p. 2



Martin H. Israel



Five-year-old Jamahl Harris finds a comfortable shoulder to rest on, courtesy of Sam S. Ramirez, a junior majoring in biology who volunteers in the Kinloch Afterschool Program.

'It feels good to be needed'

Afterschool, tutorial program volunteers make impact on youth

Most days, Danielle Eidenberg, Amy Holtman, 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 young people.

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

"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

out what they want in their lives," says sophomore Amy E. Holtman, a program leader for Kinloch Afterschool 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."

The afterschool program is in its fourth year, while the tutoring sessions began in 1963. 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 afterschool 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."

Smith says the tutoring program has improved the children's report cards and changed their attitudes about school. Approximately 34 youths participate in the tutorial sessions, while roughly 39 are in the afterschool program.

"The tutoring helps them to really understand their schoolwork," she says. "They're motivated about school."

Gena M. Lewis, a Washington senior, agrees. The sociology major has been a program leader for the tutorial program since her sophomore year. "I've definitely seen an improvement in their studies," she says, "and the youngsters who've been in the program a long time have grown more open toward other people. Many of them were shy at first."

Observing University volunteers has prompted Laurisha A. Wright, 12, to "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 Wedgewood Elementary School in Florissant.

But the Kinloch youth aren't the only ones who benefit from the programs. Volunteering 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 who volunteers for both programs. "Volunteering has opened my eyes to reality."

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

Carolyn Sanford

'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, Duncker Hall. The seminar, titled "To Be a Teacher," is free and open to the public. It is co-sponsored by the University's Department of Education and the Career Center.

Teachers speaking at the seminar will be Washington University alumna Luberta Clay of Jefferson Elementary School, Sandra Snodgrass of Lindbergh 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. Marilyn Cohn, Ph.D., director of teacher education at Washington, will serve as moderator.

The seminar is based on Cohn's book *To Be a Teacher*, which provides a realistic look at the profession through five case studies of successful teachers. With the exception of Menchhofer, all the speakers are featured in the publication. Cohn wrote the book with Robert Kottkamp of Rutgers University and Eugene Provenzo of the University of Miami.

For more information on the event, call the education department at 889-6791.

Spring concert features violinist

The Washington University Symphony Orchestra will perform its annual Spring Concert at 3 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 Saint Louis Symphony first violin section.

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

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Symposium — continued from p. 1

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,

titled "The Future of the Space Program," will be held from 2 to 3 p.m. in the Women's Building Lounge. An informal wine and cheese reception will follow from 3:30 to 5 p.m.

A second panel discussion, titled "Looking Forward: The Arts in the 21st Century," will be at 7 p.m. 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, moder-

ator. All events are free and open to the public.

CSAS is the student governing board of the College of Arts and Sciences. Each spring, CSAS sponsors a symposium devoted to an academic subject.

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

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

'Masterpiece of 19th-century American art'

A 136-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 land," Bolas says. Other members of the group in the foreground of the painting are his daughter, his friend Flanders Calloway and an unnamed guide tying his shoe.

The artist's first effort to auction the painting through the American Art Union was defeated. So in 1852, Bingham heightened the painting's drama by adding storm clouds and craggy cliffs. Nathaniel Phillips, a piano merchant, acquired 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 caught 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 World'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 1964 — 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.

Another painting by Bingham, "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



George Caleb Bingham's "Daniel Boone Escorting Settlers Through the Cumberland Gap."

American painting. "One of the reasons that painting brought so much is there are not that many Bingham's," 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."

"The sale of 'The Jolly Flatboatmen' clearly establishes a new level of value for Bingham's paintings and represents a new level of interest in his work," says Bolas. "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 history 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 (1983), 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. Ketner, 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." The latter is represented in "Daniel Boone" by the wild-looking scenery

— the dark rocks and blasted tree trunks.

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. State 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



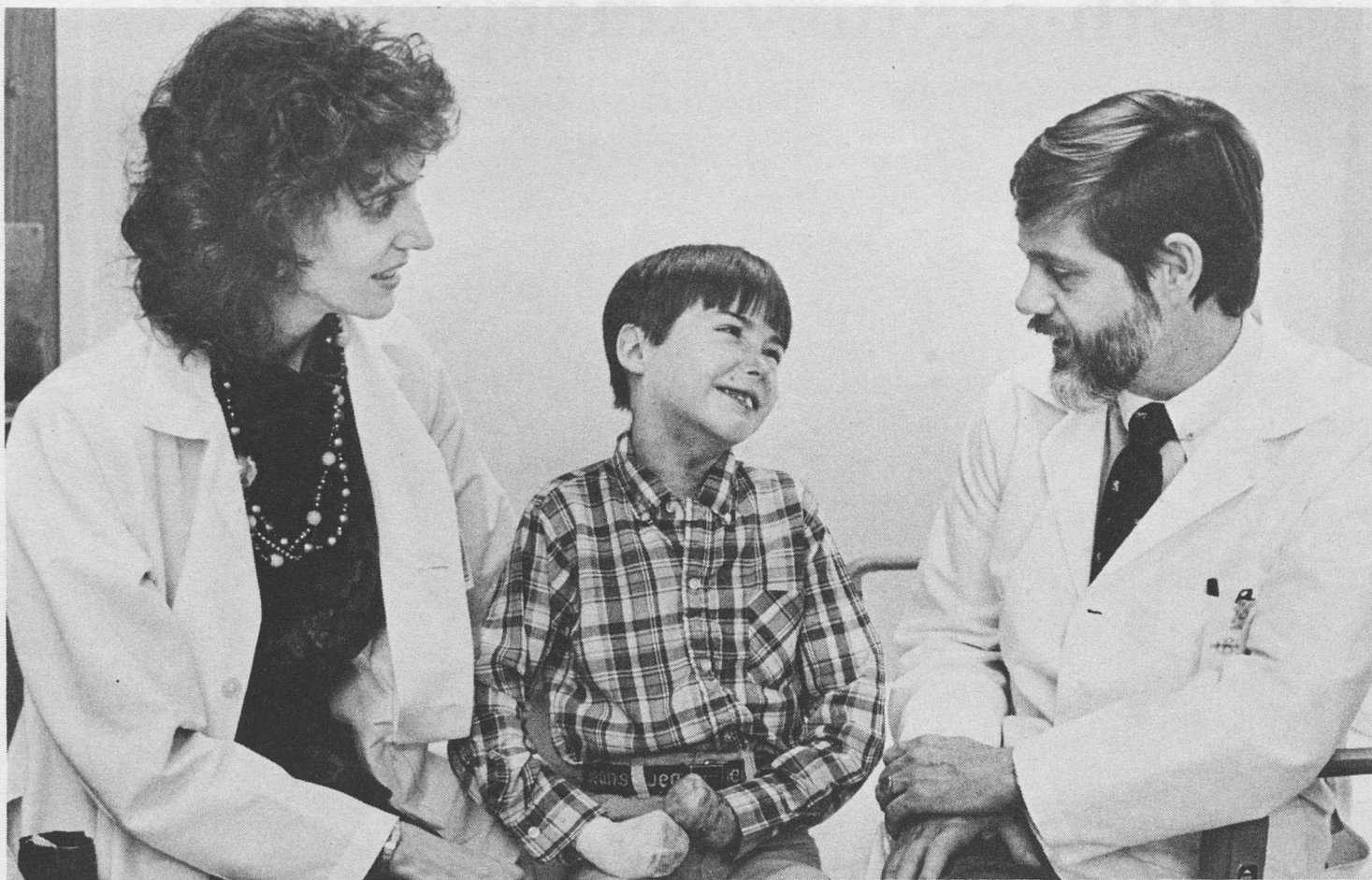
Stanley Tasker

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 Workshop 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 4 p.m. weekdays and 1 to 5 p.m. weekends. For more information, call 889-6597.

MEDICAL RECORD



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.

EB registry

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 Musculoskeletal 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 1983 through a \$25,000 donation from Dystrophic 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.

Sobel receives distinguished scientist award

Burton E. Sobel, M.D., Tobias and Hortense 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 cardiac 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 and residencies in medicine at Peter Bent Brigham Hospital, 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 of the journal *Circulation*, he has lectured nationally and internationally, and has written 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 patients, 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, oral 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.

'Kids, Chemicals and Families' conference set for May

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.

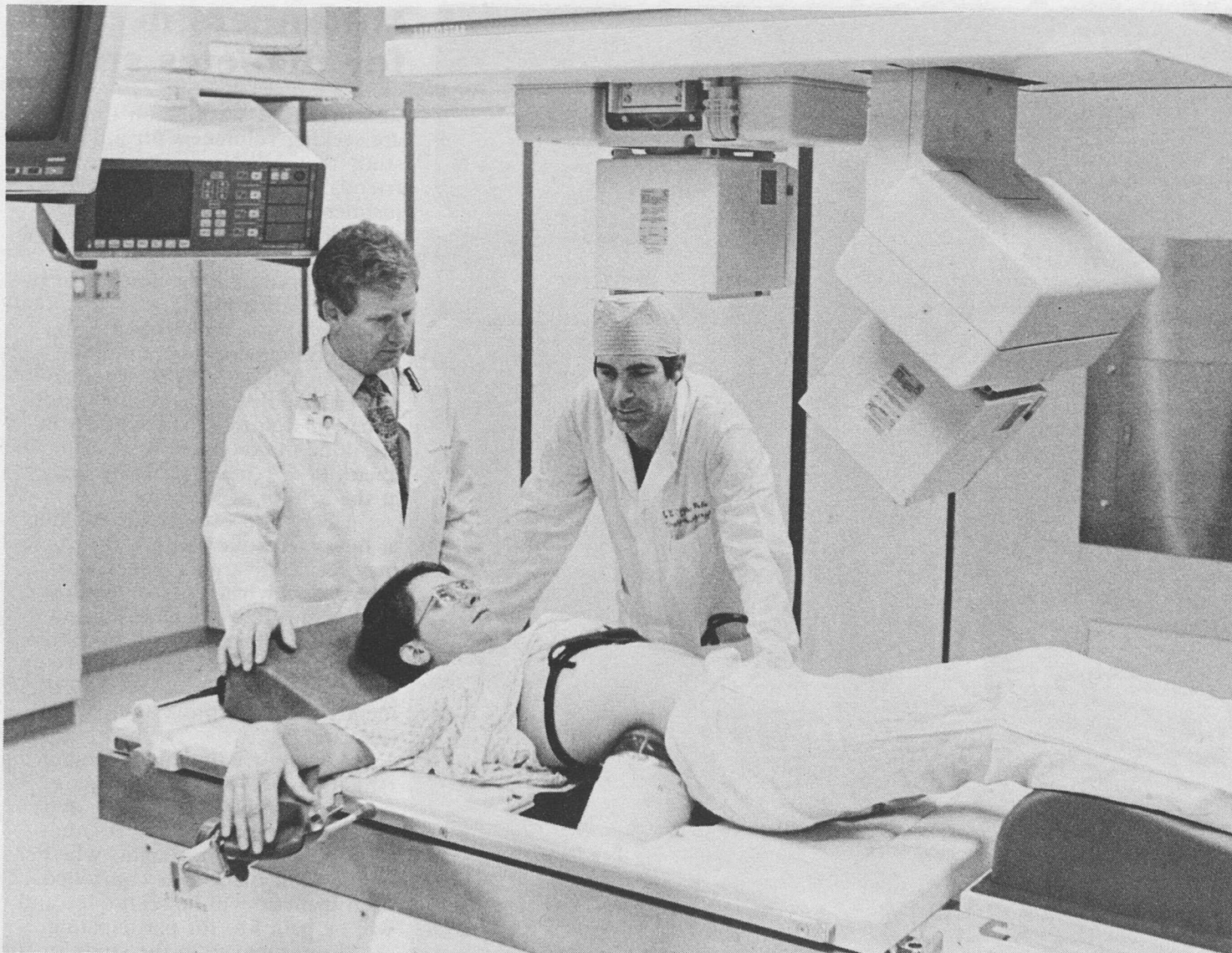
Rokelle Lerner, M.S., co-founder and director of Children Are People, Inc., an agency that works with children who are substance abusers or have parents who abuse, will discuss the effects of drug abuse on children. Lerner pioneered prevention and early intervention programs for

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.

MEDICAL RECORD



Bruce McClennan, 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.

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 respira-

tion, 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 im-

provement in technology for the treatment of kidney stones," says Ronald B. Evens, 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.

The run, conducted by the St. Louis Track Club, is sponsored by the

Children's Hospital Development Board and Pizza Hut.



The 4th annual Children's Hospital 5K Run and 1-Mile Fun Run is expected to draw more than 1,000 runners.

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 1983. 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 disorder 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.

MEDICAL RECORD



The envelope, please: Match Day 1987 brings fourth-year medical students (from left) Gary Gretch, Tim Pluard, J. Samuel Little and Grant Rogero to the stage in Cori Auditorium to find out where they will spend their residency. Residencies were matched with 101 students.

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 Lichty, 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.

Lichty 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 I (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 Lichty at 889-6522 or Connell at 361-4808.

Occupational safety expert delivered Sutter lecture

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 Interna-

tional 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.

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.



Donald Lindberg

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 Cen-

tral 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.

NOTABLES

Charles B. Anderson, M.D., head of the Division of General Surgery, and **Gregorio Sicard, M.D.**, associate professor of general surgery, led a continuing medical education symposium on Peripheral Vascular Disorders, held March 12 and 13 at the School of Medicine. Anderson spoke on "The Detection of Failing Vascular Access Grafts" at the University 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-America 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," at 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 Erasmus University at Rotterdam, Netherlands. The topic was "Diagnosis and Treatment of Craniofacial Malformations." At Copenhagen, Denmark, he was visiting professor to the Danish Orthodontic Society and lectured on "Computer-Assisted Imaging for Congenital and Acquired Head and Neck Disorders." Marsh edited a supplemental issue of the Cleft Palate Journal on "Long Term Results of Craniofacial Surgery." It included his publication on cranial base dysmorphism in craniosynostosis.

Gruia-Catalin Roman, Ph.D., associate professor of computer science, was an invited panelist at the Eighteenth Technical Symposium of the Special Interest Group on Computer Science Education. The symposium, held 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 around Roman's experience in teaching "CS 456 Software Engineering Workshop." CS 456, which celebrates its 10th year this spring, was 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 named director of university relations at Rice University in Houston, Texas.

Benson joined the University staff in 1983 as publications editor, and became associate director of publications in 1985. Prior to coming to the University, she was publications 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 other faculty from the chemistry department will make presentations at the annual meeting of the American Chemical Society April 5-10 in Denver. Other faculty include assistant professors **John Bleeke, 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 scientist **Tom Semkow**, three research associates, one staff member and 12 graduate and undergraduate students.

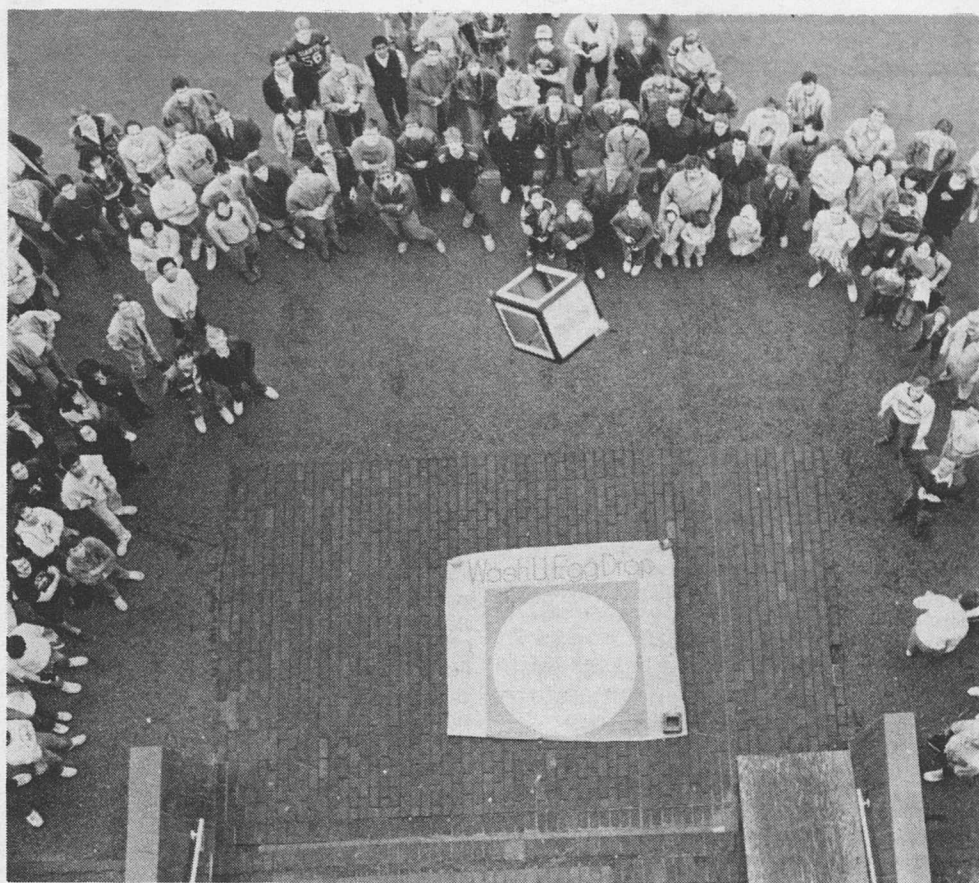
Lorraine Warren, area coordinator for activities in Residential Life, recently was elected secretary of the American College Personnel Association's Standing Committee on Multicultural Affairs (ACPA-CMA) at their 1987 conference held in Chicago. The overall goal of CMA is to enhance the professional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

Murray L. Weidenbaum, Ph.D., director of the Center for the Study of American Business and Mallinckrodt Distinguished University Professor, gave two lectures March 13 at Stanford University. "Winners and Losers in Corporate Takeovers" was presented to the Center for Economic Policy Research and "Public Policy and Corporate Takeovers" was given to the Hoover Institution.

John Zaborszky, Ph.D., chairman of systems science and math in the School of Engineering, has been named a foreign member of the Hungarian Academy of Sciences. Tibor Vamos, member of the Praesidium Hungarian Academy of Sciences, formally bestowed the honor on Zaborszky at a reception March 19 at the Whittemore House.

Have you done something noteworthy?

Have you: Presented a paper? Won an award? Been named to a committee or elected an officer of a professional organization? The *Washington University Record* will help spread the good news. Contributions regarding faculty and staff scholarly or professional activities are gladly accepted and encouraged. Send a brief note with your full name, highest earned degree, current title and department along with a description of your noteworthy activity to Notables, Campus Box 1070. Please include a phone number.



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 best engineering design with his "Venetian Blinds"; Rexford Hill, a freshman in computer science and electrical engineering, who received the crowd appeal award for "The Saga Special"; and Georg Jander, a senior in computer science, who had the slowest descent with "Quiche if I Lose."

Bears tie school record for victories

Despite a 66-64 loss to North Carolina Wesleyan College in the NCAA South Regional championship, the men's 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 equaled 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 64-62 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.

Despite the season-ending loss, Washington added an illustrious list of accomplishments to its basketball annals.

Notable feats in 1986-87 were: making their first-ever appearance in the NCAA Division III national tournament; earning a final national ranking of 15; winning 20 or more games for only the second time in the school's 72 seasons of basketball; winning the Washington University Lopata Classic for the third consecutive year, as well as the MIT Coed Classic; being ranked as one of Division III's leaders in 3-point field goals made per game with 5.9 average; and posting a 19-3 record against Division III schools.

Four of the five players who started the last 54 games together return next year, with the Bears replacing senior Brent Rueter.

NEWSMAKERS

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 save lives. Howard Sochurek of *National Geographic* magazine describes, from first-hand experience, these new technologies in the January issue. Klaus Sartor, M.D., associate professor of radiology, explained to Sochurek the problems of convincing 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 beaten, raped or arrested."

When does life end? Doctors and other health care professionals face this dilemma every day. In a Feb. 28 article on this subject from the *Washington Post*, J. Stuart Showalter, J.D., lecturer (adjunct) in allied health professions, says, "It comes down to what society will permit. With death under medical control, it is 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

April 2-11

LECTURES

Thursday, April 2

4 p.m. 29th Joseph W. Kennedy Memorial Lecture, "New Nuclear Reaction Mechanism with Heavy Ions," John R. Huizenga, prof. of chemistry and physics, U. of Rochester. Room 458, Louderman Hall.

4 p.m. Central Institute for the Deaf (CID) Research Seminar, "Visual Vestibular Interactions in Guiding Eye Movements," Gary Paige, director of vestibular and ocular motor lab, WU medical school. Second floor aud., CID Clinics and Research Bldg., 909 S. Taylor Ave.

4 p.m. Public Affairs Thursday Series, "Italian and American Unions Compared: One or Two Exceptional Cases?" Carol Mershon, WU asst. prof. of political science. Eliot 200 C & D.

4 p.m. Assembly Series Lecture, "Shakespeare's Originality: Hamlet, Falstaff, Shylock," Harold Bloom, Sterling Professor of the Humanities, Yale U. Graham Chapel.

4 p.m. Philosophy Dept. Colloquium, "Wittgenstein as Radical Conventionalist," John Humphrey, WU doctoral candidate. Hurst Lounge, Duncker Hall.

8 p.m. Dept. of Germanic Languages and Literatures presents Swiss writer Paul Nizon, WU critic-in-residence, reading from his work. Hurst Lounge, Duncker Hall.

Friday, April 3

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

Noon. Dept. of Music Lecture Series, "The 'Unwelcome Guest' Regaled: Liszt, Carl Friedrich Weitzmann, and the Augmented Triad," R. Larry Todd, of Duke U. Blewett B-8.

Noon. Dept. of Cell Biology and Physiology Seminar, "Early Steps in Exocytosis in Mast Cells," Wolfhard Almers, U. of Washington, Seattle. Cell Biology Library, 4914 South Bldg.

1:20-4 p.m. Department of Anatomy and Neurobiology O'Leary Prize Presentation. Room 928, McDonnell Sciences Bldg.

2 p.m. Dept. of Engineering and Policy Seminar, "Federal and State Land Use Regulations," Daniel R. Mandelker, WU Stamper Professor of Law. 104 Lopata.

3:30 p.m. Dept. of Mathematics Complex Analysis Seminar, "Integral Representations," Marco Peloso, WU graduate student in mathematics. 199 Cupples I.

4 p.m. Dept. of Cell Biology and Physiology Seminar, "Glia-Neurone Interactions in the Drone Retina," Jonathan Coles, U. of Geneva, Switzerland. Cell Biology Library, 4914 South Bldg.

4 p.m. Dept. of Music Lecture Series, "Rhetoric and Music in 17th Century England," Mary Springfels, director of early music from the Newberry Library, Chicago. Blewett B-8.

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

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

Monday, April 6

4 p.m. Dept. of Biology Seminar, "Proline Metabolism in Soybean Nodules: Regulation of Ureide Biosynthesis and Energy Transfer," Dan Kohl, WU professor of biology. Rebstock 322.

4 p.m. Dept. of Psychology Colloquium, "Searching for Human Talent Through Achievement in Mathematics," Horacio J.A. Rimoldi, director of Centro Interdisciplinario de Investigaciones en Psicología Matemática Y Experimental, Buenos Aires, Argentina. Eads 102.

8 p.m. School of Architecture Lecture Series, "Le Corbusier, Nature and the Organization of Form," Geoffrey Baker, reader to the School of Architecture, Brighton Polytechnic. Steinberg Aud.

Tuesday, April 7

4 p.m. Cell and Molecular Biology Program, "Molecular Basis of Cell Motility," Edward Korn, of National Heart, Lung and Blood Institute, NIH. Cori Aud.

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

Wednesday, April 8

11 a.m. CSAS Symposium, "The Future: Predicting It and Planning for It," Ben Bova, author of *The High Road*. Graham Chapel.

4 p.m. Molecular Approaches to Biology Seminar, "Does Replication of Mitochondrial DNA Use a Site-specific Swivel?" Robert Low, WU asst. professor of pathology and biological chemistry. Erlanger Aud.

4:15 p.m. Dept. of Education and the Career Center Seminar, "To Be a Teacher," featuring teachers Luberta Clay, Sandra Snodgrass, Amy Spiegel and Larry Wells, all WU alumni; former teacher and WU alumna Ruth Christopherson; and Robert Menchhofer, WU education major. Marilyn Cohn, author of *To Be a Teacher* and director of teacher education at WU, will serve as moderator. Room 201, Duncker Hall.

Thursday, April 9

Noon. McDonnell Center for the Space Sciences Seminar, "Future of Space Exploration," NASA astronaut Kathryn Sullivan, first woman to walk in space. Sponsored by WU's McDonnell Center for the Space Sciences and the Dept. of Earth and Planetary Sciences. 201 Crow.



Astronaut Kathryn Sullivan

2:30 p.m. Dept. of Mechanical Engineering Lecture, "Non-linear Problems in Rotor Dynamics," Andrew D. Dimarogonas, WU Palm Professor of Mechanical Design. Room 100, Cupples II.

4 p.m. Philosophy Dept. Colloquium, "Descartes on Colors," John Cottingham, professor, U. of Reading. Hurst Lounge, Duncker Hall.

4 p.m. Central Institute for the Deaf Research Seminar, "Speech Perception by Adults: Cochlear Implant Patients," Richard Tyler, assoc. prof. and director of audiology, dept. of otolaryngology, U. of Iowa. Second floor aud., CID Clinics and Research Bldg., 909 S. Taylor.

8 p.m. Dept. of Germanic Languages and Literatures Lecture, "Regionaldialekt und Standardsprache in deutschsprachigen Ländern," Klaus J. Mattheier, Max Kade Distinguished Visiting Professor at the University of Michigan. Hurst Lounge, Duncker Hall.

8:15 p.m. Asian Art Society Lecture, "Son of Heaven: Imperial Arts of China: The Making of an Exhibition," Robert L. Thorp, curator for "Son of Heaven" exhibition that will bring almost 200 works of art from China to three U.S. cities in 1988-89. Steinberg Aud.

Friday, April 10

3:30 p.m. Dept. of Mathematics Complex Analysis Seminar, "The Poincaré Metric on a Plane Domain," Al Baernstein II, WU prof. of mathematics. 199 Cupples I.

7:30 p.m. First Annual Distinguished Lecturer in the Space Sciences, featuring astronaut Kathryn Sullivan, the first woman to walk in space. Sponsored by the St. Louis Science Center in cooperation with WU's McDonnell Center for the Space Sciences. McDonnell Star Theater, St. Louis Science Center, Forest Park.

Saturday, April 11

9 a.m.-4 p.m. University College French Foreign Language Seminar with WU French language instructors. Stix International House, 6470 Forsyth Blvd. Cost is \$100 a day. To register, call 889-7899.

PERFORMANCES

Friday, April 3

8 p.m. Performing Arts Dept. Presents "A Funny Thing Happened on the Way to the Forum" at Edison Theatre. (Also April 4, 10 and 11, same time, Edison.) General admission is \$5; WU faculty, staff and students and senior citizens, \$4.

MUSIC

Thursday, April 2

8 p.m. Newberry Library Concert, "Music From the Shakespeare Plays, 1600-1680." Sponsored by the music dept. Steinberg Aud.

Saturday, April 4

3 p.m. Dept. of Music Voice Recital with Robert O'Connor and Jeannine Pellissier, both WU undergraduate students in music. McMillan 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 Gargoyle, Mallinckrodt Center.

EXHIBITIONS

"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 889-4523.

"Published! One Hundred First Books." 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, level 5. 8:30 a.m.-5 p.m. weekdays.

"Vaughan Grylls Photo-Mosaic Murals." Through April 5. Gallery of Art, upper gallery, east wall. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Leslie Laskey Retrospective." Through April 26. Gallery of Art, lower gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Stanley Tasker Retrospective Exhibition With New Works," paintings by WU professor emeritus. Opening reception from 3 to 5 p.m. April 5. Through April 26. Bixby Gallery, Bixby Hall. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends.

"MFA Thesis Exhibit — Part One." Through April 1. Gallery of Art, upper gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

FILMS

Thursday, April 2

7 and 9:15 p.m. WU Filmboard Series, "Death by Hanging." \$2. Brown Hall.

Friday, April 3

7 p.m. Italian Film Series, "Love and Anarchy." 210 Ridgley Hall.

7:30 and 9:45 p.m. WU Filmboard Series, "F/X." \$2. Brown Hall. (Also Sat., April 4, same times, and Sun., April 5, at 7:30 p.m., Brown.)

Midnight. WU Filmboard Series, "Eating Raoul." \$2. Brown Hall. (Also Sat., April 4, same time, and Sun., April 5, at 9:45 p.m., Brown.)

Monday, April 6

7 and 9:15 p.m. WU Filmboard Series, "Guess Who's Coming to Dinner." \$2. Brown Hall. (Also Tues., April 7, same times, Brown.)

Wednesday, April 8

7 and 9 p.m. WU Filmboard Series, "The Magician." \$2. Brown Hall. (Also Thurs., April 9, same times, Brown.)

Friday, April 10

7 p.m. Italian Film Series, "Amarcord." 210 Ridgley Hall.

8 and 10 p.m. WU Filmboard Series, "101 Dalmations." \$2. Brown Hall. (Also Sat., April 11, same times, and Sun., April 12, at 2 p.m., Brown.)

Midnight. WU Filmboard Series, "A Boy and His Dog." \$2. Brown Hall. (Also Sat., April 11, same time, and Sun., April 12, at 4 p.m., Brown.)

SPORTS

Friday, April 3

3 p.m. Men's and Women's Track and Field, WU Invitational. Francis Field. (Continues 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. Principia College. Tao Tennis Center.

Wednesday, April 8

4 p.m. Women's Tennis, WU vs. U. of Missouri-Rolla. Tao Tennis Center.

Friday, April 10

1 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 Thurtene, the junior men's honorary, as a promotion for their carnival.

Tuesday, April 7

7-9 p.m. LSAT Test Preparation Seminar, sponsored by the Learning Center. Umrath 302. (Also April 8 and 9, same time.) Materials \$10. To pre-register, call 889-5939.

Thursday, April 9

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

Friday, April 10

6 - 11 p.m. Thurtene Carnival will be held on the campus parking lot at the corner of Millbrook and Skinner boulevards. (Continues on 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 Sunday, April 12.

Saturday, April 11

10 a.m. Thurtene Throng 10 Kilometer Road Race in Forest Park, east of the intersection of Forsyth and Skinner 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 11 at the race starting point. For more info., call 862-2396.

3:30-6 p.m. Host Family Picnic With International Students. Free to International Students. Lawn of Stix International House, 6470 Forsyth Blvd.

Calendar Deadline

The deadline to submit items for the April 16-25 calendar of the *Washington University Record* is April 9. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. Incomplete items will not be printed. If available, 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.