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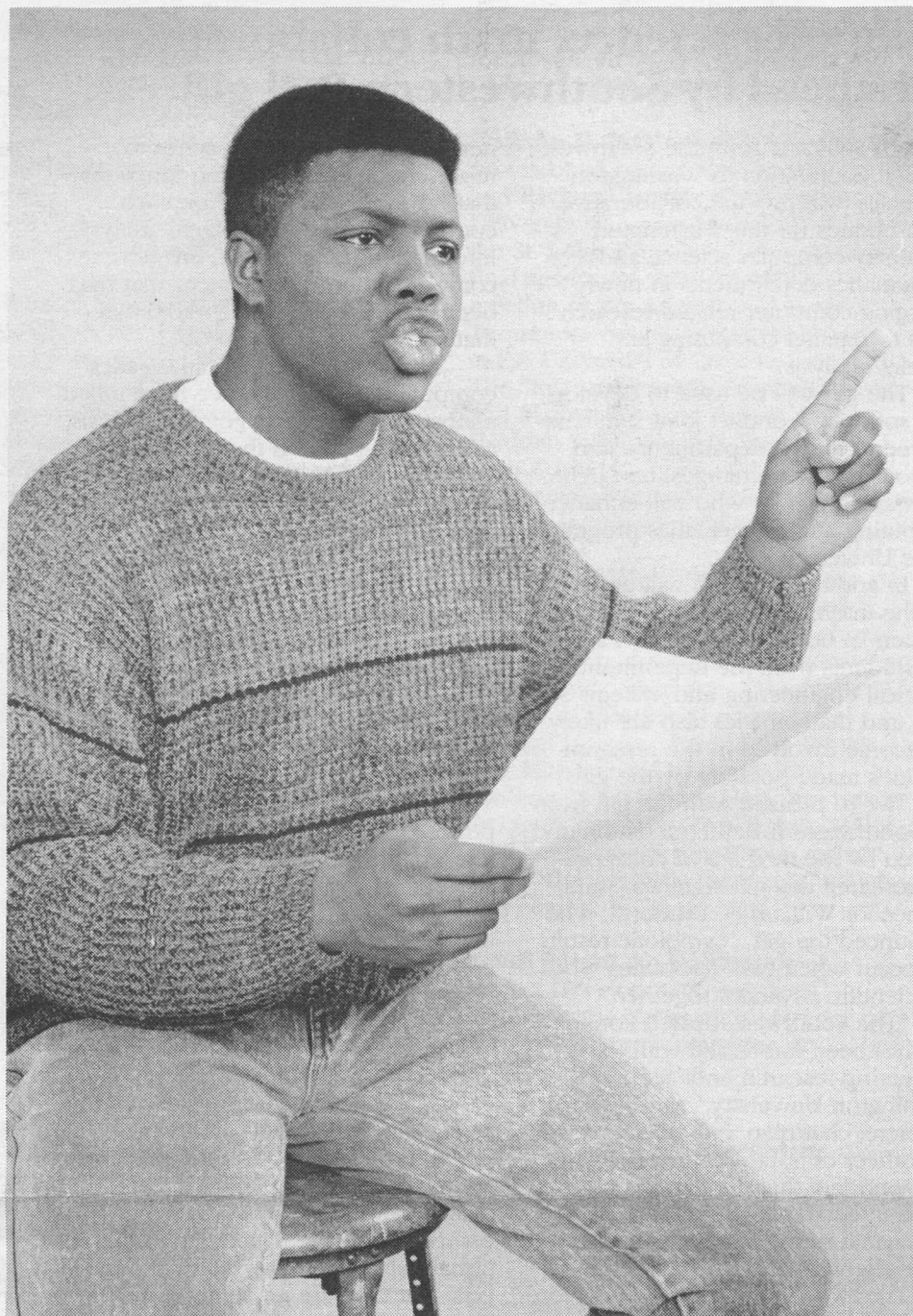
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Black History Month: Lee Clark, a senior majoring in economics, portrays Malcolm X during a staging of "The Meeting," a drama of a fictional encounter between Malcolm X and Martin Luther King Jr. Clark's performance is part of a program titled "Black Anthology: Voices of Black America," which will be held at 8 p.m. Sunday, Feb. 4, in Edison Theatre. The program, which commemorates February's designation as Black History Month, features students presenting music, dance, narrative histories of black Americans, and poetry and speech recitations of famous blacks' works. The cost for the event, which is sponsored by the Department of Residential Life, is \$3 with a Washington University ID and \$7 for the general public. For more information, call 889-6679.

Richard Leakey to give lecture

Paleoanthropologist Richard E. Leakey, director of Kenya's Wildlife Services, will deliver the William C. Ferguson Memorial Lecture at 4 p.m. Monday, Feb. 5, in Graham Chapel.

Leakey, who co-authored the 1977 book *Origins: What New Discoveries Reveal About the Emergence of Our Species and Its Possible Future*, will speak on "The Origins of Mankind." The lecture, which is part of the Assembly Series, is free and open to the University community. Seating for the general public will be limited.

Leakey is the son of legendary paleoanthropologists Louis and Mary Leakey. Throughout two decades of search in the hostile environment of Kenya's Lake Turkana, teams organized and led by Leakey have discovered "more and better pre-man and early man fossils" than any other scientific endeavor, according to a Time magazine article.

As director of Kenya's Wildlife Services, Leakey is working to halt the poaching crisis that threatens to wipe out what few elephants remain in Kenya's game parks. His agenda also includes convincing the world that wearing, buying or selling ivory is a crime.

Since Leakey was appointed director last spring, his radical anti-poaching crusade has drawn both fire and praise. According to a January 1990 Outside magazine article, Leakey, "the man who made one career out of disputing the theory that our earliest

ancestors were 'killer apes,' was commanding his own guerrilla army in a war to save Kenya's elephants. Poachers were shot first, questioned later; anyone found 'loitering' in the parks was considered a potential target."

The author of that magazine article, Eric Ransdell, also writes that "four months and 30 dead poachers after Leakey's appointment, elephant killings, according to his department, had dropped from three a day to one a month. And his trademark, the hominid-skull neckties he has made by Schretter & Co. of Baltimore, had taken on a wholly different meaning."

Unlike others who view the elephant in exclusively prehistorical terms, Leakey, former director of the National Museums of Kenya, sees the animal as a profit generator. Tourism is the country's primary industry and elephants are its biggest asset. "I cannot see wildlife as anything but an integral part of development," Leakey has told The New York Times. "What is important," he says, "is that first and foremost Kenya benefits from its actions to save the elephant."

The author of numerous research papers and books, Leakey is the recipient of the 1989 Outsider of the Year Award given by Outside magazine honoring individuals in the conservation field.

For more information on the lecture, call 889-4620.

'Powerful combination'

University, Monsanto extend biomedical research agreement

Washington University and Monsanto Co. announced that they have extended their eight-year research agreement for an additional four years. This extension brings total funding commitments to nearly \$100 million. The joint announcement came from Chancellor William H. Danforth and Richard J. Mahoney, Monsanto's chairman and chief executive officer.

The Washington University/Monsanto Biomedical Research Agreement is the largest research collaboration between an American company and an American university. The agreement provides a framework for university and corporate researchers to collaborate in extensive investigations of proteins, peptides and other molecules that modulate cellular function.

Such a collaborative program seeks to shorten markedly the time between fundamental discoveries and the development of novel preventive and therapeutic products for human disease. Key to Monsanto's participation in the program is the research, development and marketing capabilities of Searle, Monsanto's wholly owned pharmaceutical subsidiary.

First signed in June 1982, the collaboration began with a \$23.5 million commitment for five years. In 1986, after a favorable review by an independent panel of respected scientists, the agreement was extended through 1990 and was increased to approximately \$62 million. This new extension calls for more than \$9 million per year for each of the years 1991 through 1994.

The program supports 50 research projects involving 120 University scientists. To date, the research has resulted in more than 40 patented or patent-pending discoveries that could eventually lead to commercially useful products.

"The association between Washington University and Monsanto Company has been extraordinarily rewarding, not only in terms of stimulating research activities, but also in fostering the sort of cooperation among scientists that is fundamental to success," said Chancellor Danforth. "We look forward to continuing this partnership and to the achievements

in health care that it inspires."

"Extension of this research agreement reaffirms Monsanto's belief that the interaction between a great university and a great company is an extraordinarily fertile ground for invention and innovation," Mahoney said. "That powerful combination, with specific attention to maintaining the integrity and autonomy of the academic process, can be a catalyst for increased economic competitiveness."

The agreement was originated by David M. Kipnis, M.D., Adolphus Busch Professor and head of the Department of Internal Medicine at Washington University, and Howard A. Schneiderman, Ph.D., Monsanto's senior vice president for research and development and chief scientist. The extension guarantees continuation of what generally is considered a unique and successful model of university/industry cooperation.

According to the agreement, patent rights on all inventions are owned by the University, and Monsanto has the right to an exclusive license under mutually acceptable terms.

Decisions on which University research projects will receive financial research support are made by an advisory committee consisting of 10 representatives, half from each institution. Kipnis serves as program director.

Researchers must submit a proposal that the advisory board judges on the basis of merit. The award process involves the same sort of rigorous review that characterizes grant deliberations at the National Science Foundation and the National Institutes of Health. Approximately 30 percent of the funding is expended in support of exploratory projects and the balance is directed toward special or applied research.

"This agreement has enabled both institutions to pursue their strengths with assistance from the other," said Kipnis. "Together we can accomplish more than either is capable of alone. The track record of this association is outstanding and our extended collaboration should continue to speed the development of new and vitally important health care products."

Dennis Martin is named assistant provost

Dennis J. Martin, director of financial aid at Washington University, has been appointed assistant provost, according to Provost Edward S. Macias, Ph.D. Martin retains his position as director of financial aid. The appointment was effective Jan. 1.

"Dennis Martin will play a pivotal role in the administration's effort to assist the schools on student-related issues such as financial aid," says Macias. "His appointment as assistant provost is a tribute to his fine administrative talents."

Martin, a 1975 alumnus of Washington University, was named director of financial aid in 1986 after serving as assistant director of the National Association of Student Financial Aid Administrators in Washington, D.C. Before moving to Washington, he also worked as a financial aid counselor, assistant director and associate director of financial aid at the University.

Martin's responsibilities as assistant provost, in addition to administering the financial aid program, will include working with the provost on such issues as student

retention and the demographic characteristics of applicants. He will work closely with the deans and the University registrar on these issues as well.

Martin has written numerous financial aid articles and was selected as a 1989-90 participant in the Leadership St. Louis program. His professional affiliations include serving as chairman and vice chairman of the Commission on Financing Higher Education for the National Association of Independent Colleges and Universities. The commission is working on a federal policy for financing higher education.

Martin graduated Phi Beta Kappa from Rutgers College in 1974 with a bachelor's degree in English and received a master's degree in English literature from Washington in 1975.



Dennis J. Martin

Children's dance program promotes creativity, fun

Children's dance classes that promote individual creativity while teaching basic body awareness and coordination will begin Feb. 3 at Washington University.

The classes will be held on 10 Saturdays in Mallinckrodt Center's Dance Studio, Room 207. The cost for the 10 sessions is \$70.

Christine Graham Alberts, artist-in-residence in dance at the University, will teach the classes. Alberts, who is an experienced dance instructor, has a bachelor's in ballet and a master's in modern dance from Indiana University.

The classes are divided by age: children ages 2-3 will meet from 9 to 9:45 a.m.; children ages 4-5 will meet from 10-10:45 a.m.; and children ages 6-7 will meet from 11-11:45 a.m.

Alberts will focus on teaching the children basic body awareness and coordination. "We do a lot of hopping and leaping in these classes," says Alberts.

A new program for children ages 8-10 also will be offered Tuesdays from 6:30-7:30 p.m. The first class will meet Feb. 6. That class will teach dance technique and creative movement.

"In this class the children are old enough to learn body positioning and basic dance principles," says Alberts. "By the time they are eight or 10, kids can learn more discipline and take more instruction." The 10-session



The children's dance program encourages individual creativity.

program on Tuesdays will cost \$80.

Alberts stresses that the children's dance program encourages individual creativity in a supportive and caring environment. She seeks to create a class where dance and body movement is fun for children of all ages.

For more information, call 889-5858 or 367-1321.

Clowning is among Y classes offered

Have you ever wondered how clowns paint on those faces, or keep all five of those plates in the air at once? Here's your chance to learn. The University's Campus YMCA-YWCA is offering 11 classes this spring, and among them is one called "Clowning."

The Campus-Y classes, running from four to eight weeks, begin the week of Feb. 5 — with the exception of the "Tai Chi" class, which will begin Tuesday, March 27, and the "Meditation" class, which will begin Wednesday, Feb. 21.

"Clowning," a four-week course covering the basics of a clown's performance, will meet from 6 to 7:30 p.m. on Tuesdays at the Campus Y in Umrath Hall's east basement. The course instruction will cover makeup application, juggling, mime and simple gags and skits.

"Razzamajazz," a seven-week fitness workout that includes stretching, cardiovascular conditioning and body toning exercises, will meet twice a week from either 5:30 to 6:30 p.m. or 6:30 to 7:30 p.m. on Mondays and Wednesdays, or from either 5:30 to 6:30 or 6:30 to 7:30 p.m. on Tuesdays and Thursdays in Umrath Hall. After the seven-week class, a four-week extension class will begin Monday, April 2, in Umrath Hall at the same session times.

"Yoga," a seven-week course, will meet from 5:15 to 6:45 p.m. on Mondays in Stix International House.

"Workout," a seven-week course that includes both calisthenics and aerobics, will meet from 8 to 9:15 p.m. on Mondays and Wednesdays or Tuesdays and Thursdays in Green-stuffs at Wohl Center. A separate Friday session that meets from 5:15 to 6:15 p.m. will be held in the Wohl West private dining hall.

"Aikido," a seven-week class on the self-defense technique derived from several martial arts, will meet on Wednesdays from 5:30 to 7 p.m. in

the Judo Room of the Lee Dorm basement.

"Tai Chi," a four-week course on the ancient Asian art of slow dance-like movements that promote balance and relaxation, will meet from noon to 1 p.m. on Tuesdays and Thursdays in Umrath Hall Lounge.

"Meditation," a four-week course on relaxation and stress-reducing techniques, will meet on Wednesdays from 7 to 9 p.m. in Stix International House.

"Public Speaking," a five-week class covering the skills needed for effective public speaking, will meet on Wednesdays from 6 to 7:30 p.m. at the Campus Y.

"Sign Language," a seven-week course that will teach students basic vocabulary as well as how to produce and read signs, will meet Mondays from 4:30 to 6 p.m. at the Campus Y.

"Chinese Cooking" will meet for seven weeks from 6:30 to 8 p.m. on Tuesdays at the Campus Y.

"Basic Auto Care," a seven-week course that will show students everything from how a car works to how to do a tune-up, will meet from 5:30 to 7:30 p.m. on Wednesdays at the Campus Y.

The seven-week classes cost \$30 for full-time Washington students and \$38 for non-students. "Clowning" costs \$18 for full-time University students and \$24 for non-students. The "Razzamajazz" extension class costs \$17 for full-time Washington students and \$22 for non-students. The Friday session of "Workout" costs \$15 for full-time Washington University students and \$19 for non-students. "Public Speaking" costs \$22 for full-time University students and \$27 for non-students. "Chinese Cooking" requires an additional \$15 fee for food costs.

YMCA and YWCA members receive a \$5 discount on class fees.

To register or for more information, call 889-5010.

Computer science, math collaboration enhanced by Southwestern Bell gift

A gift of \$600,000 from the Southwestern Bell Foundation to Washington University will provide collaborative opportunities for the Washington University computer science and mathematics departments in newly emerging computer-related research areas of parallel computing and wavelet analysis.

The gift will be used to develop new software, conduct joint seminars between the two departments, and support faculty exchanges, research and visiting faculty who will enhance computing and mathematics programs at the University.

In addition, the gift will encourage the interaction between graduate students in both departments. Faculty and students from the departments of electrical engineering and systems science and mathematics also are likely to become involved in the research activities made possible by the gift.

"We're pleased with the gift from the Southwestern Bell Foundation and excited by the new era of collaborative research this gift signifies," said Chancellor William H. Danforth, who announced the gift. "Symbiotic results can occur when two disciplines work on scientific advances together."

"The Southwestern Bell Foundation has been impressed with the pioneering research endeavors of Washington University," said Edward Whitacre, chairman and chief executive officer of Southwestern Bell. "We feel confident that the gift will advance understanding and applications of research of interest to both computer scientists and mathematicians."

The two departments will explore the mathematics of concurrent computation — massively parallel computer systems that operate fast enough to respond to the researcher's interactions.

They also will research wavelets and the "phi-transform." These are

new mathematical approaches to representing and analyzing functions that have a major impact on such computer processes as signal analysis, information transmission, image compression and other areas that have been calculated by more traditional mathematics.

Researchers in the mathematics/computer science interface have relied almost exclusively on Fourier analysis, a classical approach that is more than 150 years old. But wavelets and the phi-transform (also called the "Frazier-Jawerth transform" for Washington University mathematicians Michael Frazier, Ph.D., and Bjorn Jawerth, Ph.D., who developed the theory in the mid-80s) are potentially more valuable because they make it possible for scientists to sample a signal in both time and frequency, providing a better understanding of signal and image-handling processes.

Robert H. McDowell, Ph.D., professor and chair of the mathematics department, cites the "stunning success" of computer-aided-tomography (CAT) scan, which combines mathematics with sophisticated computing, as a benchmark of combining mathematics with computing.

"This revolutionary technology was made possible by the contributions of both disciplines," he says.

According to Jerome R. Cox, Sc.D., Harold B. and Adelaide G. Welge Professor of Computer Science and chair of the department, the disciplines of mathematics and computer science have been traditional cohorts in many science projects. But they are gradually growing closer to the point where they are mutually dependent on each other in some research areas.

"The Southwestern Bell Foundation gift will allow both camps to join forces in several innovative areas," Cox says.

Italian Renaissance music featured

The Waverly Consort will present a concert titled "Italia Mia: A Musical Tour of Italy in the Renaissance" at 8 p.m. Saturday, Feb. 10, in Edison Theatre.

Jessie Ann Owens, a specialist in early music, will deliver a pre-performance lecture at 6:30 p.m. in the Drama Studio, Room 208 Mallinckrodt Center. Her talk, titled "The Music of Renaissance Italy," will examine the close relationship between style and function in Italian Renaissance music. The lecture, which is free and open to the public, is part of a program offered by the Waverly Consort and is funded by the National Endowment for the Humanities.

Since its inception in 1964, the Waverly Consort has spearheaded the revival of "early" music as played on period instruments. In addition to performing medieval, Renaissance and baroque music on authentic reproduction instruments, the group strives to place that music into its social and political context.

To further this goal, the consort also has presented, both in New York and on tour, three highly successful, fully costumed stage productions combining poetry, music and visual art from these early periods.

The ensemble, which was formed by a handful of musicology students at New York University, made its 1966 Carnegie Hall debut to great acclaim and has been received enthusiastically by audiences worldwide ever since.

In addition to appearing at major festivals, including the Hong Kong

Festival and the Madeira Bach Festival, the group has recorded extensively on both Vanguard and CBS Masterworks labels.

Tickets to the concert are \$16 for the general public; \$12 for senior citizens and Washington University faculty and staff; and \$8 for students.

For more information, call 889-6543.

RECORD

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NOTABLES

Iver Bernstein, Ph.D., assistant professor of history, had his book *The New York City Draft Riots: Their Significance for American Society and Politics in the Age of the Civil War* published by the Oxford University Press. The book also was chosen by the History Book club as a dual main selection for December 1989.

Willem H. Dickhoff, Ph.D., assistant professor of physics, traveled to Arad, Israel, to present a paper titled "A New State of Nuclear Matter" at an international conference on recent progress in many-body theories. While in Israel, he also gave two lectures at the Weizmann Institute in Rehovot and one lecture at the Hebrew University in Jerusalem. Dickhoff also recently traveled to Campos do Jordao, Brazil, to present a paper titled "Foundation of the Nuclear Shell Model" at an international workshop on "Condensed Matter Theories." In addition, he traveled to Elba, Italy, to present a paper titled "Generalized Spectral Functions and the Validity of the Shell Model" at a topical workshop on "Two-nucleon Emission Reactions."

Samuel E. Guyer, D.D.S., professor emeritus of restorative dentistry, has been reappointed by the Missouri Dental Board as a member and chairman of the Prosthodontic Specialty Examining Committee for 1990.

J. Eduardo Jaramillo, Ph.D., visiting assistant professor of Spanish, recently read a paper titled "Metropolitanas: Ejercicios de ventriloquia," an examination of the latest work by Colombian writer R.H. Moreno-Duran, at the Sixth Congress of North American Colombianists.

Steven G. Krantz, Ph.D., professor of mathematics, has been named managing editor of a new mathematics journal titled *The Journal of Geometric Analysis*. The journal's editorial board includes distinguished scholars

from Princeton University, the Institute for Advanced Study, Washington University, Indiana University and UCLA.

William H. Matheson, Ph.D., professor of comparative literature, and **Richard Justin**, Washington University alumnus and member of the St. Louis Symphony, organized the final session of the 12th annual meeting of the American Literary Translators Association, held recently at the University of Iowa in Iowa City. The "Inter-arts" session featured Justin and Matheson's joint lecture, titled "Hidden Syllables: The *Syringa* of John Ashbery and Elliott Carter." The lecture was followed by a performance of the Carter work.

Angela L. Miller, Ph.D., assistant professor of art history, presented a paper titled "Space, Cultural Authority, and Imagery of Feminine Influence" at a three-day conference, "The Material Culture of Gender: The Gender of Material Culture," held at the Winterthur Museum in Delaware. The conference was the subject of a recent article in *The New York Times*. Miller read her paper in the session called "Male Visions, Male Fantasies," which was chaired by Shere Hite.

Trudi Spigel, Ph.D., director of Project Development, has been named to the National Conference of Editorial Writers' committee on continuing education.

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, or by electronic mail to p7224555 at WUVMC. Please include a phone number.

Introductions to new faculty

The Record is featuring a weekly series profiling new faculty on the Hilltop and Medical campuses. The profiles are of faculty who joined the University community between January 1989 and September 1989.

Thomas E. Herman, M.D., assistant professor of radiology at the School of Medicine's Mallinckrodt Institute of Radiology, comes to St. Louis from Boston, where he was an assistant professor of radiology at Harvard University Medical School and assistant in radiology (pediatrics) at Massachusetts General Hospital. He is on staff at Barnes and Children's hospitals and has research interests in pediatric radiology.

James W. Marsh Jr., M.D., assistant professor of surgery at the School of Medicine, comes to Washington from the University of Pittsburgh, where he was assistant professor of surgery. He received a bachelor's in chemistry in 1975 and his medical degree in 1979, both from the

University of Arkansas, Little Rock, and completed surgical training at St. Paul Hospital in Dallas, the Mayo Clinic in Rochester and the University of Pittsburgh. He specializes in liver transplantation.

Eric J. Nuetzel, M.D., assistant professor of clinical psychiatry, comes to the School of Medicine from St. Louis University, where he had been on the clinical faculty as an assistant professor of psychiatry. He received his bachelor's in anthropology from the University of Missouri, Columbia, in 1972, and his medical degree from St. Louis University School of Medicine in 1976. He has research interests in psychological factors in the development and expression of personality; the relationships between clinical psychoanalytic theory, psychoanalytic practice and therapeutic outcomes; and the psychoanalytic study of films. He is on the faculty of the St. Louis Psychoanalytic Institute and has a full-time private practice.

cology at the University of Texas, Austin. Upon his mandatory retirement at the age of 70, Pisk was appointed distinguished professor of music at Washington University.

In 1972 he moved back to Austin and later to Los Angeles. His wife, Irene Hanna, died in 1981. He is survived by a son, George Pisk of Austin; and two grandchildren.

Paul Pisk, former music professor, dies

Paul Amadeus Pisk, a musicologist, pianist and composer who taught at the University from 1963 through 1972, died Jan. 12 at his home in Hollywood, Calif. He was 96.

Pisk graduated from Vienna University and came to this country in 1936. After serving as dean of music at the University of Redlands in California, he became head of musi-

Major increase in funding Missouri higher education needed, says coalition

Chancellor William H. Danforth was among a group of Missouri's top college officials and lawmakers who recently presented a report that documents the need for a major increase in state funding for Missouri higher education.

The report, titled "Missouri Higher Education: Show Me the Future," was developed by Missourians for Higher Education (MHE), a coalition representing nearly 50 public and private colleges and universities in Missouri.

The university administrators and lawmakers presented the report at press conferences held throughout the state on Jan. 18. The group traveled to Jefferson City, Springfield, Kansas City and St. Louis in their campaign for a major increase in higher education spending.

According to the report, "Missouri will risk suffering dramatic social and economic losses to competing states and nations" without a significant increase in state funding for higher education. It documents figures from 1988 that rank Missouri 47th nationally in the level of state support for higher education.

While a relatively wealthy state, Missouri spends less for higher education than any of its neighboring states. Missouri spends \$99 per capita, while Nebraska spends \$143, Kansas \$145, Oklahoma \$118, Arkansas \$117, Illinois \$114 and Iowa \$155.

According to MHE chairman Bill Mann, chancellor of the Metropolitan Colleges in Kansas City, the issue of raising state revenue to support higher education cannot wait. "The situation is reaching a critical level. If additional state support for higher education is not forthcoming, educational quality will suffer," he said.

University of Missouri System President C. Peter Magrath reinforced Mann's comments, saying, "Missouri higher education is in jeopardy. We have made significant cuts in programs and reallocated millions of dollars but still find ourselves unable to adequately maintain our buildings and pay competitive faculty and staff salaries.

"We cannot continue to maintain the state's system of higher education through a continuing cycle of cuts and reallocation alone. A significant new investment of state revenue is needed to provide Missourians with the educational programs they deserve and the economic development support they need in the new decade and the new century."

Danforth adds that the long-range future of Missouri is at stake. "Missouri depends on the strength of its

universities and colleges not only today, but even more so as we enter the 21st century. Our youth now see a college education as a basic need, and we must assure them access to the best higher learning we can offer."

Danforth, a past chair of Missourians for Higher Education, was among a group of top officials from Missouri's higher education institutions who formed the coalition in September 1985. Today, the coalition represents 46 public and independent institutions ranging from two-year colleges to major research universities.

The coalition's goals include (1) helping Missourians understand current conditions in the state's colleges, (2) presenting ideas to improve Missouri schools and (3) bringing these issues to the attention of the media and public policymakers. The recently released report is one effort being made statewide to meet these goals.

Joining the college presidents and chancellors in presenting the report throughout the state were Missouri Senate President Pro-Tem Jim Mathewson and State Rep. Jim Barnes, who has introduced legislation to increase state support for higher education.

According to the coalition's report, Missouri's institutions of higher education will need \$367 million more per year to remain competitive. The report included an outline of where increased state support for higher education would be invested. Independent institutions like Washington University would benefit through more funding in two areas: 13 percent of the \$367 million would support full funding of the Missouri Student Grant Program assuring access to higher education for many thousands of Missourians through scholarships and student support services; and 8 percent would be used for additional funding of the Missouri Research Assistance Act and the Applied Projects Act, which put Missouri's higher education expertise to work on promising economic development activity for the state.

MHE is the only coalition of its kind in the nation, and several national educational organizations, including the Council for the Advancement and Support of Education, have taken direct interest in MHE activities and its current statewide informational campaign. The coalition is setting a unique example for cooperation among public and independent schools in an era of intense competition for students, tax dollars and private gifts.

Journalist specializing in China to talk

Orville Schell, a journalist specializing in China, will speak at 11 a.m. Wednesday, Feb. 7, in Graham Chapel. The lecture, part of the Assembly Series, is free and open to the public.

Schell is the author of eight books on China, including *Discos and Democracy: China in the Throes of Reform* (1989), which chronicles the student protests and dissident intellectual movement that shook China in the 1980s.

Schell first visited the People's Republic of China in 1975 where, on assignment for *The New Yorker*, he spent several months working and

living on a model rural farm and in an urban electrical machinery factory. He was one of the first journalists from the West to experience life in China firsthand. The results of this trip were published in his 1976 book titled *In the People's Republic*.

On his frequent trips to China, Schell has written for such magazines as *Rolling Stone* and *The New York Times Magazine*. During the spring 1989 student uprising in China that he witnessed, he provided commentary for the ABC, CBS and NBC networks' news programs.

For more information on the lecture, call 889-4620.

CALENDAR

Feb. 1-10

LECTURES

Thursday, Feb. 1

1:10 p.m. George Warren Brown School of Social Work Spring Lecture Series, "The Role of Business Leadership in Enhancing the Quality of Life in St. Louis," Clarence C. Barksdale, vice chairman of WU Board of Trustees. Brown Hall Lounge. For more info., call 889-6606.

4 p.m. Dept. of Chemistry Lecture, "Quantum Dynamics of the Solvated Electron," Rich Friesner, professor of chemistry, U. of Texas, Austin. McMillen Lab, Room 311.

4 p.m. Dept. of Pathology Seminar Series Winter Program, "Chromosomal Approaches, Oncogenesis," Peter Nowell, Dept. of Pathology, U. of Pennsylvania. 3rd. Floor Aud. Children's Hospital. For more info., call 362-7440.

4:15 p.m. Dept. of Philosophy Colloquium, "Normativity and Rules," Frederick Schauer, professor of law, U. of Michigan. Hurst Lounge, Duncker Hall. For more info., call 889-6670.

Friday, Feb. 2

Noon. Dept. of Cell Biology and Physiology Noon Seminar Series, "Ca Transport in Red Blood Cells," Mark Milanick, Dept. of Physiology, U. of Missouri, Columbia. Cell Biology Library, Room 4914, South Bldg.

4 p.m. Dept. of English Lecture, "Seeing Narratives: Ancient Sculpture, Renaissance Eyes," Leonard Barkan, Franklin Bliss Synder Professor of English and Art History, Northwestern U. Hurst Lounge, Duncker Hall.

4 p.m. Neural Sciences Lecture, "Thalamic Oscillations Signalling During States of Vigilance," Mircea Steriade, Dept. of Physiology, Laval School of Medicine, Quebec, Canada. Erlanger Aud., McDonnell Medical Sciences Bldg.

6 and 8:30 p.m. Washington University Travel Lecture Series, "Iceland — Europe's Outback," Rick Ray, filmmaker. Graham Chapel. For ticket info., call 889-5122.

Saturday, Feb. 3

9 a.m. Saturday Morning Neural Sciences Seminar, "Changing Concepts on the Reticular Ascending Activating System," Mircea Steriade, Dept. of Physiology, Laval School of Medicine, Quebec, Canada. Erlanger Aud., McDonnell Medical Sciences Bldg.

11 a.m.-12:30 p.m. Master of Liberal Arts Program and University College Saturday Seminar, "The End of Time: Revelations and Revolutions in Russian History," Robert C. Williams, vice president for academic affairs and dean of faculty, Davidson College. Women's Building Lounge. For more info., call 889-6802.

Monday, Feb. 5

4 p.m. Assembly Series William C. Ferguson Memorial Lecture, "The Origins of Mankind," paleoanthropologist Richard Leakey, director, Wildlife Services in Kenya, and co-author, *Origins: What New Discoveries Reveal About the Emergence of Our Species and Its Possible Future*. Graham Chapel. For more info., call 889-4620.

4 p.m. Immunology Seminar Series, "Leukocyte-Endothelial Interactions: Molecular Mechanisms," Michael Gimbrone Jr., Dept. of Pathology, Brigham and Women's Hospital, Boston, Mass. 3rd Floor Aud., Children's Hospital.

8 p.m. School of Architecture Monday Night Lecture Series, "Speed 1990," Michael Webb, professor of architecture, Columbia U. Steinberg Hall Aud. For more info., call 889-6200.

Tuesday, Feb. 6

Noon-1 p.m. Personal Productivity Seminar Series, "Time Management," Patricia Taylor, sr. assoc., WU Center for the Study of Data Processing. St. Louis Public Library, 1301 Olive St. Brown-bag-it lunch; coffee provided. To register, call 726-4487.

4 p.m. Dept. of Chemistry Lecture by Paul Sharp, professor of chemistry, U. of Missouri, Columbia. Subject to be announced. McMillen Lab, Room 311. For more info., call 889-6530.

Wednesday, Feb. 7

11 a.m. Assembly Series Lecture, "China," Orville Schell, journalist and author of *Discos and Democracy: China in the Throes of Reform*. Graham Chapel. For more info., call 889-4620.

12:10 p.m. Division of Rheumatology Seminar, "Sarcoid," Daniel Goodenberger, WU Dept. of Internal Medicine. 5th Floor Conference Room, Wohl Clinic.

12:30 p.m. Neuroscience Luncheon Seminar with Michael Chua, WU Dept. of Neurology. Room 928, McDonnell Medical Sciences Bldg.

4 p.m. Plant Biology Seminar with Tom Guilfoyle, Dept. of Biochemistry, U. of Missouri, Columbia. 309 Rebstock Hall.

4:30 p.m. The Career Center Presents a Panel Discussion on Careers in Politics and Government, featuring recent WU Arts and Sciences graduates. Room 100, Mallinckrodt Center. For more info., call 889-5930.



An awakening: The Muny Student Theatre Project will present "Rip Van Winkle" at 11 a.m. and 1 p.m. Saturday, Feb. 3, in the Drama Studio, Room 208 Mallinckrodt Center. This musical version of the children's classic is directed by Julie Kriekhaus and will include audience participation. The performance is part of the Theatre Festival for Young People sponsored by the Department of Performing Arts. Tickets are \$3 for children and \$5 for adults. For more information, call 889-6543.

8 p.m. Dept. of English Poetry and Fiction Reading by Writing Program Fellows Ricardo de Ungria and Teresa Rittenhouse. Hurst Lounge, Duncker Hall. For info., call 889-5190.

Thursday, Feb. 8

Noon. Dept. of Genetics Spring Seminars, "Mosaic Evolution of Insulin-like Growth," Peter Rotwein, WU Dept. of Internal Medicine. Room 816, McDonnell Medical Sciences Bldg.

Noon-2:30 p.m. Dept. of Neurology Presents The University of Texas Southwestern Medical Center at Dallas Alzheimer's Disease Research Center National Teleconference, "Research Advances in Alzheimer's Disease." East Pavilion Aud.

4 p.m. Dept. of Earth and Planetary Sciences Seminar, "Halides and Noble Gases in Hydrothermal Fluid Inclusions," J.K. Bohlke, U.S. Geological Survey, Reston, Va. Room 102, Wilson Hall. For more info., call 889-5610.

4 p.m. Evolutionary and Population Biology Seminar, "Episodic Ticks of the Molecular Clock," John Gillespie, Dept. of Genetics, U. of California, Davis. Room 322, Rebstock Hall.

4 p.m. Dept. of Pathology Presents Laboratory Medicine Chief Resident Sponsored Lecture, "An Analysis of T Lymphocyte Development in Transgenic Mice," Stephen Hedrick, U. of California, San Diego. 3rd. Floor Aud., Children's Hospital.

8 p.m. Dept. of Romance Languages and Literatures Lecture in French, "La Naissance du mythe americain en France," Yves Berger, novelist and literary director of Editions Grasset, a major French publishing house. Women's Building Lounge. For more info., call 889-5180.

Friday, Feb. 9

Noon. Dept. of Cell Biology and Physiology Noon Seminar Series, "Reconstitution of Endocytosis in Broken Cell Preparations," Philip Stahl, head of WU Dept. of Cell Biology and Physiology. Cell Biology Library, Room 4914, South Bldg.

3-5 p.m. Asian Studies Science and Ideology in China Lecture, "The Twisted Path: Lysenkoism and the Development of Modern Genetics in China, 1949-1966," Laurence Schneider, professor of history, State U. of New York, Buffalo. The May Aud., Simon Hall. For more info., call 889-4448.

4 p.m. Dept. of Molecular Microbiology Seminar, "Control of Pap Pilin Phase Variation by a Mechanism Involving Differential Dam Methylation States," Lawrence Blyn, Dept. of Pathology, U. of Utah. Room 775, McDonnell Medical Sciences Bldg.

Saturday, Feb. 10

9 a.m. Saturday Morning Neural Science Seminar, "Sleep, Rhythms, and Neurotransmitters," Richard Todd, WU Depts. of Psychiatry and Genetics. Erlanger Aud., McDonnell Medical Sciences Bldg.

11 a.m.-12:30 p.m. Master of Liberal Arts Program and University College Saturday Seminar, "Biological Clocks: The Time Sense of Organisms," Richard W. Coles, adjunct professor of biology and director of Tyson Research Center. Women's Building Lounge. For more info., call 889-6802.

6:30 p.m. Edison Theatre Presents a Pre-Concert Lecture in Conjunction with the Waverly Consort Performance, "The Music of Renaissance Italy," Jessie Ann Owens, associate professor of music and dean of the College of Arts and Sciences, Brandeis U. Mallinckrodt Center Drama Studio, Room 208. For more info., call 889-6543.

PERFORMANCES

Saturday, Feb. 3

11 a.m. and 1 p.m. St. Louis Children's Theatre Connection Presents A Theatre Festival for Young People, "Rip Van Winkle," Muny Student Theatre Project. Sponsored by WU Performing Arts Dept. Mallinckrodt Center Drama Studio, Room 208. Cost: \$3 children; \$5 adults. For more info., call 889-6543.

Sunday, Feb. 4

8 p.m. Dept. of Residential Life Presents "Black Anthology: Voices of Black America," in commemoration of Black History Month. WU students performing music, dance, poetry, speeches and narrative histories of black Americans. Edison Theatre. Cost: \$7 for general public; \$3 for WU students, faculty and staff. For more info., call 889-6679.

Saturday, Feb. 10

11 a.m. and 1 p.m. St. Louis Children's Theatre Connection Presents A Theatre Festival for Young People, "Princess Rabbit," WU Performing Arts Dept. Mallinckrodt Center Drama Studio, Room 208. Cost: \$3 children; \$5 adults. For more info., call 889-6543.

8 p.m. Edison Theatre Presents The Waverly Consort. Edison Theatre. Cost: general public \$16; \$12 for senior citizens and WU faculty and staff; and \$8 for students. For more info., call 889-6543.

MUSIC

Sunday, Feb. 4

1-4 p.m. Dept. of Music and St. Louis Classical Guitar Society Master Class with the Assad Brothers Guitar Duo. Blewett Annex B, Room 8. Cost: \$6 for non-members of the Guitar Society; free for members and WU students. For more info., call 889-5542.

EXHIBITIONS

"Classic Views of the Brain, 1550-1949," sponsored by the Library and Biomedical Communications Center. Feb. 5-March 30. School of Medicine Library, History of Medicine Gallery. 8:30 a.m.-5 p.m. weekdays. For more info., call 362-4239.

"Prints by Richard Bosman: 1978-1988." Through March 11. Gallery of Art, lower gallery, Steinberg Hall. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"St. Louis and the West: Rare Books and Uncommon Historical Pieces From the Collections of WU Libraries," Olin Library Special Collections exhibit. Through March 2. Olin Library, level 5. 8:30 a.m.-5 p.m. weekdays.

"Washington University Fine Arts Collection." Through March 25. Gallery of Art, upper and lower galleries, Steinberg Hall. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

SPORTS

Tuesday, Feb. 6

5:30 p.m. Women's Basketball. WU vs. Principia College. Field House Gym.

7:30 p.m. Men's Basketball. WU vs. Rhodes College. Field House Gym.

Wednesday, Feb. 7

5:30 p.m. Junior Varsity Men's Basketball. WU vs. Fontbonne College. Field House Gym.

7:30 p.m. Junior Varsity Women's Basketball. WU vs. Mineral Area College. Field House.

FILMS

Thursday, Feb. 1

7 and 9:30 p.m. Filmboard Series, "Persona." \$2. Brown Hall.

Friday, Feb. 2

7 and 9:30 p.m. Filmboard Series, "The Pink Panther." (Also Sat., Feb. 3, same times, and Sun., Feb. 4, at 7 p.m.) \$2. Brown Hall.

Midnight. Filmboard Series, "Catch 22." (Also Sat., Feb. 3, same time, and Sun., Feb. 4, at 9:30 p.m.) On Fri. and Sat., both the 9:30 p.m. and midnight films can be seen for a double feature price of \$3; both Sun. films can be seen for \$3. Brown Hall.

Monday, Feb. 5

7 and 9 p.m. Filmboard Series, "Jane Eyre." (Also Tues., Feb. 6, same times.) \$2. Brown.

Wednesday, Feb. 7

7 and 9:30 p.m. Filmboard Series, "Jules and Jim." (Also Thurs., Feb. 8, same times.) \$2. Brown Hall.

Friday, Feb. 9

7 and 10 p.m. Filmboard Series, "Say Anything." (Also Sat., Feb. 10, same times, and Sun., Feb. 11, at 7 p.m.) \$2. Brown Hall.

Midnight. Filmboard Series, "Better Off Dead." (Also Sat., Feb. 10, same time, and Sun., Feb. 11, at 9:30 p.m.) On Fri. and Sat., both the 10 p.m. and midnight films can be seen for a double feature price of \$3; both Sun. films can be seen for \$3. Brown Hall.

MISCELLANY

Friday, Feb. 2

8:30 p.m. Hillel Foundation Panel Discussion, "Even in the Nicest Families: Substance Abuse in the Jewish Community," Rabbi James S. Goodman, founder of the St. Louis Information Committee and Hotline on Alcoholism. Hillel Foundation B'nai B'rith, 6300 Forsyth Blvd. For more info., call 726-6177.

Calendar Deadline

The deadline to submit items for Feb. 15-24 calendar of the Washington University Record is Feb. 2. 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. Send items to Andrew Cox, calendar editor, Box 1070, or by electronic mail to p72245PP at WUVMC.

Architecture lecture

Michael D. Webb, a visiting professor of architecture this semester at the University, will open the School of Architecture Monday Night Spring Lecture Series at 8 p.m. Feb. 5 in Steinberg Hall auditorium. The title of Webb's lecture, "Speed 1990," reflects his interest in how people see architecture while driving.

Webb has taught at Cooper Union and Columbia University in New York since 1986. During his semester at Washington, he will teach studio courses to architecture students.

For information, call 889-6200.