Stanley Elkin opens Assembly Series spring schedule

Award-winning novelist and WU faculty member Stanley Elkin will open the spring Wednesday Assembly Series of lectures with a reading from his soon-to-be-released book, *The Magic Kingdom*.

Elkin’s talk on Wednesday, Jan. 23, will lead off a diverse schedule that includes visits from author-traveler William Least Heat Moon, former First Lady Rosalynn Carter and Opera Theatre of St. Louis.

Elkin, WU’s Merle Kling Professor of Modern Letters, said *The Magic Kingdom* is a story about seven terminally ill children in England who are taken on a dream holiday — a trip to Disney World. The book will be released in March.

Celebrating its 25th year, the Assembly Series lectures are held at 11 a.m. in Graham Chapel. The opera will be held at 11 a.m. in Edison Theatre. All Assembly Series events are free and open to the public.

Douglas C. North, the Henry R. Luce Professor of Law and Liberty at WU, will deliver the Luce Lecture on Jan. 30. North, a specialist in economic organization, economic history and political economy, will discuss “Political Economy in Historical Perspective.”

The following week, Mancur Olson, Distinguished Professor of Economics at the University of Maryland and author of *The Rise and Decline of Nations: Economic Growth, Stagflation, and Social Rigidities*, will be the keynote speaker at the Feb. 6 Council of Students of Arts and Sciences symposium. Olson will speak on "Beyond the Measuring Rod of Money: Toward a Unification of Economics and Social Science." at the symposium, titled "Who Gets What: Interests and Groups."

William Least Heat Moon, author of *Blue Highways: A Journey Into America*, will give a reading of his work Feb. 13. In 1975, Moon set out from his home in Columbia, Mo., on a 13,000-mile journey through the United States. The result of his travels along the backroads of America is *Blue Highways*, which Edmund Fuller of The Wall Street Journal ranks “above the next best thing preceding it in the genre.”

Harvey Cox, Harvard University theologian and author of *The Secular City*, will speak Feb. 27 on his latest book, *Religion in the Secular City: Toward a Postmodern Theology*. Cox, who in his first study of the secular city wrote of the decline of traditional churches, now, 20 years later, sees “a dramatic resurgence of religion as a potent political force.”

Sen. Bill Bradley, D-N.J., will discuss “U.S.-Western European Relations” when he delivers the Foreign Language Week keynote lecture on March 13. The former basketball star, who now holds prestigious assignments in the Senate, is involved in both national and international affairs.

Continued on p. 7

Snow sport: The 2 inches of snow that fell on the St. Louis area last week didn’t deter these members of Beta Theta Pi from a game of football.

$1 million gift

The Kroc Foundation establishes chair to support biomedical research in diabetes, endocrine diseases

A $1 million gift from The Kroc Foundation of Santa Barbara, Calif., has established a chair to support biomedical research in diabetes and endocrine diseases at WU’s School of Medicine.

Paul E. Lacy, M.D., Ph.D., former head of the Department of Pathology at the school, has been named the first Robert L. Kroc Professor. The professorship was created through a gift to the ALLIANCE FOR WASHINGTON UNIVERSITY, a $300 million fund-raising campaign.

The late Ray A. Kroc, founder of McDonald’s Corp. and later benefactor of The Kroc Foundation, was responsible for funding the chair at WU. The endowment is named for his brother, Robert Kroc, in recognition of his accomplishments as a university teacher, pharmaceutical researcher, and developer as president of The Kroc Foundation of its research grants and conference programs.

Establishment of the Robert L. Kroc Chair in Diabetes and Endocrine Diseases was announced Jan. 9 during a luncheon at the WU Medical Center. Guests of the University included Robert and Alice Kroc, and Fred L. Turner, chairman of McDonald’s Corp. and a member of the foundation’s board of directors.

Kroc spoke of the challenging task of the foundation in establishing this chair: "It is a particular pleasure for me and for Alice, my partner for over 50 years, to share with Fred Turner his announcement by the foundation. Selection of the institution and the first incumbent of the research chair in diabetes and other endocrine diseases involved many considerations. The foundation wished to identify an institution with a balance of strengths in the many faceted aspects of endocrine research per se. The literal explosion of new approaches and knowledge in the last decades from the supporting basic sciences such as immunology, genetics, biochemistry and bioengineering, demanded their inclusion in the identification process.

Continued on p. 7

From left to right: Robert and Alice Kroc; Samuel B. Guze, vice chancellor for medical affairs; and Paul E. Lacy, newly named Robert L. Kroc Professor.
String quartet’s Beethoven program opens Edison Theatre’s 1985 season

WU’s Edison Theatre ended 1984 and began 1985 on the same notes — those created by Sir Arthur Sullivan and set to the words of lyricist W.S. Gilbert. A lavish production of “The Mikado,” performed by Opera Theatre of St. Louis, provided entertainment that delighted audiences from Dec. 20 through Jan. 5.

The operetta concluded a fall playbill highlighted by the Missouri Kitchen in New York; and Viennese fare that delighted audiences of Saint Louis, provided entertainment. Ursula Venecek, musicologist and pianist Anton Kuerti.

University-related productions featuring WU composers Harold Maclvor Perkins and Robert Wykes in a new music concert, and the Performing Arts Area (PAA) production of “The Threepenny Opera,” directed by PAA chairperson Joseph Bock.

Discounts on Edison ticket prices are available to WU students, faculty and staff. Box office hours in Mallinckrodt Center are 10 a.m. to 4 p.m. Monday through Friday and 11 a.m. to 3 p.m. on Saturdays of performances. Phone reservations are acceptable. For information, call 889-6543.

RECORD

Chopin’s feats

WU soccer sensation scores music as well as goals

This article is part of a continuing monthly series profiling WU students.

Some surnames can portray a certain image. If your surname were Chopin, the most common image would be of Frederic, the great Polish pianist and composer.

But in the WU athletic department, when one mentions Chopin, they don’t think of Frederic, but of George, the scoring sensation on the Battling Bears soccer team.

After just two seasons of intercollegiate soccer, Chopin’s name has become commonplace in the circles of NCAA Division III soccer. Less than one month ago, he was named to the National Soccer Coaches Association of America All-Midwest team. Recently he was named a Division III All-America by the same organization.

Last fall, Chopin established the WU single season scoring record by boosting 23 goals and scoring at least one goal per game in 14 consecutive contests. He tallied 12 goals as a freshman.

Chopin was hesitant about his ability on the soccer turf, few know of his talents off the field. True to his surname, Chopin is a talented pianist and composer. He also is an accomplished artist.

His father sat him at a piano at the age of 10 and taught him how to play a tune. Chopin now experiments with song writing, something he describes as a “passion.”

“Playing the piano serves as my catharsis after a long day in the classroom and an evening on the soccer field,” Chopin said. “Piano is also a way for me to relax. With the work load of school and playing soccer, I can let myself go on the piano at home.”

Chopin in (dark jersey)

In December, Chopin obtained his own piano and no longer has to share with other family members. "I have my piano in the basement of our house and now I can play at any time of day and whenever I’m in the mood," he said.

His respect for drawing and painting is traced back to the days when he and his friends doodled on their desks. Chopin gradually advanced to the scoring sensation. Individually, I hope to continue to improve each season and be a bigger contributor to the team. Recently he was named a Division III All-America by the same organization.

One immediate goal that concerns Chopin is the potential of the Battling Bears soccer team in the next couple years. The squad returns every starter from the 1984 edition, which finished 15-4-2 and advanced to the NCAA Division III regional championship. WU lost the championship match to Wheaton College, 2-1.

"My first and foremost goal is to obtain my degree, go on to law school and pursue a career in corporate law. I'll continue to play soccer at Washington University and if the possibility of playing professional soccer exists, I won’t hesitate to give it a chance. The same theory applies toward song writing. If someone were to record my music, that’s great."

The future for Chopin presents many opportunities. But whichever path he takes, the talented Chopin will always be relaxed and at ease. "When I decide the right road for me, I know I will have made the right decision. "As long as I have music, I know I will have a happy life."

How appropriate for this man named Chopin!said Chopin, a Webster Groves High School graduate. "My high school art instructor taught me several things and eventually coaxed me into enter the work."

With soccer, piano, painting, and even a part-time job in a drugstore, it seems that Chopin would have little time to allocate toward a double major in political science and economics. But most important to him is his education.

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Memorial service set for former Dean Donald Fischer

Donald Albert Fischer, former dean of the School of Engineering, died of cancer Friday, Dec. 14, at home in Laguna Beach, Calif. He was 72.

A native of St. Louis, Fischer earned his bachelor’s degree in electrical engineering in 1932 and his law degree in 1935, both from WU. He joined the WU faculty in 1941 as an instructor of electrical engineering. He served as dean of the School of Engineering from 1954 to 1964.

Fischer was a Kirkwood city councilman from 1952 to 1960, national treasurer and immediate past president of Theta Xi and a member of the American Society for Engineering Education, the National Society of Professional Engineers, the Engineers’ Club of St. Louis and the Missouri Bar. He also was active in the Boy Scouts of America and other civic organizations.

Fischer is survived by two brothers, Paul and Robert, both of California, and a memorial service will be held at 2 p.m. Saturday, Jan. 26, at Graham Chapel.

Saturday Seminars explore medical opportunities, choices and costs

A biologist, a philosopher and two medical experts will explore “Medicine and the New Biology: Opportunities, Choices, and Costs” during WU’s Saturday Seminars 1985 beginning Jan. 19.

The lecture series will address such questions as: Is medicine in matters of life and death, who shall choose? What defines life and death biologically? What are the rights of patients? What are the rights of physicians who intervene?

The series will be held on Saturdays through March 23 from 11 a.m. to 12:30 p.m. in Graham Chapel. The March 23 discussion will be held in the Ann Whitney Olin Women’s Building Lounge (same time).

The series is sponsored by the Master of Liberal Arts Program and University College and features WU faculty.

The moderators are Chancellor William H. Danforth, and Robert C. Williams, professor of history and dean of University College.


The series is free and open to the public; no registration is required. For more information, call 889-6700.

Assembly Series — Continued from p. 1


Seymour Menton, chairman of the department of Spanish and Portuguese at the University of California-Irvine, will deliver the keynote address during an international symposium, titled “Literature and History in 20th-century Colombia.” Menton, who has published books and numerous articles on Colombian and Latin American literature, will present a slide lecture, titled “Magic Realism on Three Continents, 1918-1981.”

On March 24, the Opera Theatre of St. Louis will present Rossini’s “The Barber of Seville” in Edison Theatre. John Maddox, editor of Nature, will present the Ferguson Lecture: Phi Beta Sigma Xi Lecture on April 10.

CHIMES, the Junior Women’s Honorary, will present Rosalyn Carter April 17. During her years in the White House, Carter was active in many organizations, including the National Association of Mental Health, which named her Volunteer of the Decade. Since returning to Plains, Ga., she has published an autobiography, titled First Lady From Plains.

Mona Van Duyjn, WU visiting professor of poetry, will read and comment on her work April 24. Van Duyjn, a National Book Award winner, will deliver the first Assembly Series lecture sponsored by the Women’s Club of WU, which is celebrating its 75th anniversary.

Speakers for Feb. 20 and April 3 will be announced at a later date.

Olin Library exhibit offers view of rare books from the Renaissance

“Possibly no area of bibliographic history offers as many fascinating choices of study as the book in the Renaissance,” says Christopher Hoolihan, rare book librarian in WU’s School of Medicine Library.

The subject is one of Hoolihan’s favorites and the reason why he served as guest curator of a special WU exhibit, titled “Crises and New Beginnings: An Exhibit on the Book in the Renaissance.”

The display, organized by WU Libraries and located in Special Collections on Olin Library’s fifth floor, presents a variety of important 15th- and 16th-century manuscripts and printed books which reflect one of the most remarkable periods in Western intellectual history.

Forty-eight items comprise the exhibit, the majority of which were drawn from five WU libraries: the Freund Law Library, the School of Dental Medicine Library, the Art and Architecture Library, the School of Medicine Library and Olin Library’s Special Collections.

What was really pleasurable was the new experience of drawing together rare books from different collections and institutions,” says Hoolihan, who named the St. Louis Art Museum, the Missouri Botanical Garden and the St. Louis Public Library as outside lenders.

Highlighting the exhibit are Konrad Gesner’s Historiae animalium (Zurich, 1551-58), the foremost zoological work of the period and the most authoritative work on the subject written between the time of Aristotle and the end of the 17th century; Liber chronicarum (Nuremberg, 1493), the most lavishly illustrated German book of the Renaissance with its 1,809 woodcuts; and Ptolomy’s Geographia (Venice, 1598), representing the classical tradition in cosmology and geography, and illustrated with 54 engraved maps.

Hoolihan believes that the display will appeal to more people than those who are involved in scholarly pursuits of the Renaissance. “The books would interest anyone,” he says. “People are overwhelmed by their age, which is 400 years and older. As physical objects the books are beautiful, printed on cotton rag papers with outstanding typefaces and illustrations.”

The exhibit was mounted as part of the University’s fall 1984 course and lecture series on the Renaissance, which was organized by Gerhild Scholz-Williams, WU associate professor of German and comparative literature.

The works will be displayed through February and can be viewed weekdays from 8:30 a.m. to 5 p.m.
Panic attack

New research brings hope to patients suffering from disorder

When Tom T. sat down to take his final exam in history that spring day in 1974, little did he realize that it would mark a turning point in his life. The turning point was not because of his exam grade, but because of what happened just as he was finishing.

"All of a sudden," he remembers, "my heart started to race. I could hardly breathe. I got really scared. I thought I was having a heart attack, so when I came out, a friend took me to the hospital. They gave me a physical and told me there was nothing wrong. I left for home, thinking 'There must be nothing wrong with me.'"

This episode was only the first of a series. The sudden, unexplained occurrences began to happen daily, affecting Tom's daily activities and his normal activities out of fear of having another episode. The fatigue that set in — and the resultant depression — completed the vicious circle. "I was too embarrassed to talk about it," he admits. But deep down, he felt that his problem wasn't just psychological. It had a physical basis, he was convinced, maybe a difference in his brain.

About two years ago, Tom saw a television program that gave his name to his problem: panic disorder, or anxiety neurosis. He called the library at WU School of Medicine and was referred to the WU Medical Center hospitals. There, psychiatrists listened to Tom's tale, diagnosed his illness and prescribed an antidepressant medication which he takes daily. That medication, plus a greater self-awareness Tom gained during his therapy, has ended his quest.

But because of a breakthrough at WU School of Medicine, the search for the underlying cause of panic disorder is, in some ways, off to a fresh beginning.

"Panic disorder is common," says Eric Raichle, M.D., instructor in psychiatry at the School of Medicine. "It affects two to five percent of the population, with females affected twice as commonly as males. The syndrome is characterized by recurrent anxiety attacks which occur in the absence of a frightening stimulus," Raichle continues. "A strong sense of fear is mixed with sensations like lightheadedness, numbness and tingling in hands or feet, a choking sensation, and chest discomfort. The heart races or pounds. There is often severe trembling and sweating."

Epidemiologists at the National Institute of Mental Health have estimated that 13.1 million Americans suffer from anxiety disorders, with about 1.2 million afflicted with panic disorder. But psychiatric disorders are much harder to diagnose than physical illnesses. And many persons develop complications or have coexisting illnesses that confound research results. How could persons with panic disorder be distinguished from those with other anxiety syndromes?

For several years, it has been known that the chemical sodium lactate can precipitate the symptoms of panic attack when infused into the bloodstream of most persons susceptible to the disorder. But panic disorder is a common complication of other psychiatric illnesses, such as schizophrenia. Researchers needed to study a group of patients with only anxiety neurosis. The group of patients selected by Eli Robins, M.D., Wallace Renard Professor of Psychiatry at WU, included Tom.

And it was Robins and other researchers who became convinced that Tom's hunch was correct, that there was a difference in the brains of patients who had panic attacks that would be apparent if the right kind of radiological study were performed.

Along with other patients subject to panic attacks, Tom allowed researchers to infuse a lactate solution into one of his veins and observe the results. The solution contained a radioactive marker so that an image of the brain could be taken with a positron emission tomography (PET) scanner. Pictures of Tom's brain, and those of other patients, revealed a startling difference when compared with images of the brains of normal persons.

"Data from the PET scan showed a marked difference in blood flow between the right and left sides of a specific part of the brains of patients in whom lactate provoked a panic attack," explains Marcus Raichle, M.D., professor of radiation sciences at WU's Mallinckrodt Institute of Radiology. "This asymmetry is located in a region of the brain believed to control emotions," concludes Raichle, who is also professor of neurology.

The asymmetry is consistently seen only in patients who are vulnerable to lactate-induced panic attacks. It is never seen in normal volunteers. And this research is thought to be important for more than just panic disorder. Other psychiatric illnesses, such as schizophrenia and depression, are also believed to have a biochemical or biological basis.

Jeffrey H. Boyd, M.D., an expert in the epidemiology of panic disorder who works at NIMH, calls the WU team's research "exciting — there is a tremendous need to localize abnormalities in the brains of those with panic disorder. This research is stimulating and should inspire researchers to look in that region for specific abnormalities in the area."

Tom's medication and greater self-awareness have kept him free of spontaneous attacks for the past two years, but he knows that he is not cured. Although he takes imipramine daily, he readily developed anxiety symptoms when Robins' team infused lactate into his blood.

Reiman points out that Tom and other persons with panic disorder have an illness which can be distinguished from other anxiety conditions: anxiety attacks are effectively treated with such medications as imipramine, phenelzine and alprazolam, but not the typical sedatives such as benzodiazepines.

"Responsiveness to these three drugs, plus the fact that an attack can be triggered by IV infusions of lactate, distinguishes panic disorder from other anxiety syndromes," remarks Reiman. "No one knows why lactate precipitates an attack. But it does give us the opportunity to study this in a laboratory without having to wait for a spontaneous attack."

Suzanne Hagan

Marcus E. Raichle, M.D., professor of neurology and radiology at WU School of Medicine, has received the Sarah L. Poiley Memorial Award from the New York Academy of Sciences.

The award was presented during the academy's 167th annual meeting in New York City. Raichle, who was cited for his work in applying quantitative radiotracers techniques to the study of the human brain, received the award with Michael E. Phelps, M.D., of the University of California-Los Angeles.

Raichle is also professor of biomedical engineering at WU and a staff physician at Barnes' Children's and Jewish hospitals, all sponsoring institutions of WU. Medical Center.

Raichle is noted for applying positron emission tomography — PET scanning — to study the human brain. His work has included studies of the normal brain and its response to a variety of stimuli, evaluation of patients at risk for stroke, an analysis of certain chemical receptors in the brain, and investigations of the origin and physiology of seizure disorders.

One of his most recent studies involved PET examinations of persons stricken with panic disorder, which is characterized by recurrent, spontaneous attacks of severe anxiety. Raichle and other WU researchers, including Robins, M.D., Wallace Renard Professor of Psychiatry at WU, and Metropolitan Life Senior Investigator in Psychiatry, were the first to identify a biological basis for panic disorder. An abnormality in blood flow drew their attention to an area of the brain thought to play a role in the expression of emotions. An abnormality in this area appears to predispose individuals to these episodes of panic. Further studies now underway should provide a more detailed understanding of the actual brain abnormality and why some drugs seem to be effective in treating panic attacks.

Marcus Raichle, M.D.

Raichle joined the faculty at WU in 1971 as a research instructor in neurology. He received the doctor of medicine degree in 1964 from the University of Washington School of Medicine, and received his training in neurology and his introduction to neurological research at the Cornell University Medical Center in New York City.

Raichle is on the editorial board of Annals of Neurology, Brain, and the Journal of Circulat Brain Blood Flow and Metabolism, and is a former study section member and frequent advisor to the National Institutes of Health.

He is a member of many professional societies, among them the American Academy of Neurology, the American Neurological Association, the International Society of Cerebral Blood Flow and Metabolism, the American Physiological Society and the Society for Neuroscience.
Radiologist given three-year grant to study lung cell reproduction

Hsiu-san Lin, M.D., Ph.D., of Mallinckrodt Institute of Radiology, WU School of Medicine, recently was awarded a three-year grant from the WU School of Medicine, recently was Mallinckrodt Institute of Radiology, Hsiu-san Lin, M.D., Ph.D., of grant is the third award from the National Heart, Lung and Blood Institute (NHLBI) to study the reproduction of cells which provide first-line defense against bacterial and viral infections in the lungs. In the amount of $3,749,000, this grant is the third award from the NHLBI during the past nine years to fund Lin's ongoing research into the nature and production of these lung cells, called alveolar macrophages, and the effects of radiation therapy and chemotherapy on them. Lin's original theory that a majority of alveolar macrophages are produced in the lung itself and can replicate themselves in the lung is contrary to a prevailing theory throughout the world that macrophage cells originate in bone marrow and are carried to the lungs through the bloodstream. His results are now confirmed by other researchers in the United States and his theory of macrophage production is widely accepted.

Extended grants from the NHLBI have enabled Lin to substantiate his biological, cell-oriented research with clinical applications in the treatment of cancer. From his theory that the lungs play a significant role in the production of macrophages, Lin developed related studies to verify that medical complications resulting from cancer treatments are reduced by minimizing radiation and cytotoxic damage to the macrophage cells which provide biological defense of the lungs.

This research lends support to current modifications in radiation therapy involving smaller, more frequently applied dosages of radiation, as opposed to a single large dose. With the smaller dosages, it is possible to spare normal cells — a factor which is measurable in terms of the subsequent reproduction of macrophages. Lin received his medical degree from the National Taiwan University in Taiwan, China, in 1960. After completing a residency in internal medicine at Cook County Hospital in Chicago, he obtained a doctorate in microbiology and immunology at the University of Chicago. On staff at Barnes since 1961, he is a professor of radiology in the division of radiation oncology.

According to Skinner, patients who use these drugs are particularly at risk when they have decreased renal function, and when they take them in increased daily doses or for more than 14 days. They also are at risk when their blood tests show high peak and trough levels of the drugs, and when they combine or take the drugs consecutively with other ototoxic drugs, such as loop diuretics and medications toxic to the kidney. Other patients at special risk include those who already have hearing loss, severe visual impairment, advanced age or diabetes, as well as those who report tinnitus, hearing loss or dizziness.

Skinner recommended that physicians schedule hearing evaluations for patients whose conditions place them at greater risk of drug-induced hearing loss. Ideally, she said, patients should be evaluated before the start of treatment, or within 72 hours after medication begins, and then at regular intervals.

Hearing evaluations will be given in the audiology clinic, located at 805 McMillan, or at the patient's bedside if necessary. To schedule evaluations, physicians may call 362-7489.
John W. Bennett, professor of anthropology, in association with Scena B. Kohl, a professor at Webster University, has been awarded a grant of $160,000 by the National Endowment for the Humanities to conduct studies of cultural history and personal experiences of early settler families in the northern Great Plains. Work will be carried out in the Canadian provinces of Saskatchewan and Alberta. The project is a continuation and extension of Bennett’s Cultural Ecology Research Program, which has received research support from various foundations over the past 25 years, and has produced five books and many professional papers and articles. Bennett and Kohl will be concerned particularly with tracing the experiences of families with relatives on both sides of the international boundary to determine how the evolving institutions of the United States and Canada influence experiences and culture. 

Elizabeth A. Burton, a doctoral student in the Department of Earth and Planetary Sciences, received the JPL Prize, and an award of $250 and a certificate of merit, from the University of Miami’s Rosenstiel School of Marine and Atmospheric Science. Burton, a former graduate student at Miami, wrote a thesis addressing a fundamental problem in carbonate geochemistry related to the accuracy of X-ray diffraction techniques that are used widely for the determination of the mineralogical ratio of low magnesium calcite and high magnesium calcite in natural rocks and sediments. The proper resolution of these ratios is key to recognizing the history of chemical changes that have taken place in sediments. Her “deconvolution technique” yielded accurate discrimination of high and low magnesium calcite, thus finding wide acceptance in the field.

John W. Clark, professor of physics, was a lecturer in the First International Course on Biophysics, held Nov. 26-Dec. 7 at Instituto de Asuntos Nucleares, Bogota, Colombia. He delivered a lecture series on the theory of neural networks. In late November, he presented a paper, titled “Correlated RPA Theory of Nuclei,” at the VIIth Workshop on Condensed Matter Theories in Guadalajara, Spain. He served as the U.S. member of the workshop’s organizing committee. While in Europe, he gave a colloquium on the physics of the brain at the Niels Bohr Institute, Copenhagen. In St. Louis, he organized a two-day Many-Body-Enounter, the first of a series of joint WU-Universities of Illinois Urbana-Champaign and Texas A&M University seminars on the theory of many-particle systems, held Nov. 30-Dec. 1 on campus.

Richard W. Colles, director of WU’s Tyson Research Center, recently participated in a meeting of the Organization of Biological Field Stations to discuss the needs of these stations. The organization, of which Colles is secretary-treasurer, received funding for the workshop from the National Science Foundation. Tyson is a biological field station near Eureka, Mo.

H. Thomas Hahn, professor of mechanical engineering and director of the Center for Composites Research, delivered a plenary paper at the Sixth International Conference on Fracture held Dec. 4-10 in New Delhi, India. The paper, titled “Fatigue Failure Mechanisms of Composite Laminates,” was co-authored with L. Lorenzo, a graduate student in the Department of Mechanical Engineering. Hahn also chaired a session on Fracture and Fatigue of Composites at the conference.

Harry W. Illert and Hobart R. (Buck) Simmons Jr., have joined the Physical Facilities Department as construction coordinators. Initially, Illert will be responsible for the work of completing the sports and recreation complex and the continuing construction of the new business school. Simmons will assume responsibilities for construction in all other areas of the Hilltop campus. Illert is a civil engineering graduate of the University of Missouri at Rolla and has completed business administration studies at WU. He has extensive construction management experience gained at Sverdrup Corp. and private industry. Simmons, a graduate of Columbia College, Columbia, Mo., has had experience in construction in the facilities department of St. Louis Ship and the U.S. Army.

Tzyh-Jong Tarn and David L. Elliott, professors of systems science and mathematics, have been elevated to the status of Fellow of the Institute of Electrical and Electronics Engineers (IEEE). Tarn was honored for his research in nonlinear control systems and quantum mechanical systems. Elliott was recognized for research in nonlinear automatic control systems. The IEEE is comprised of 250,000 members worldwide and elects less than 400 fellows per year from its general membership.

Charles A. Waldron, chairperson of the Department of Diagnostic Services in the School of Dental Medicine and assistant dean for student affairs, is taking part in an international workshop on “Tumors and Tumorous Lesions of the Jawbones,” being held Jan. 12-19 in Santiago, Chile. The workshop is sponsored by the Reference Center of Oral Pathology in Santiago, which is under the auspices of the University of Chile and the Pan American Health Organization.

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 should be from faculty and staff members or professional or academic activities are gladly accepted and encouraged. Send a brief note with your name, position, department, and academic activity to Northwest Campus Box 1142. Please include a phone number where you can be reached.

Paul Michael Lutzeler received Federal Republic of Germany Friendship Award from the West German Consulate General Oskar von Siegfried.

Lutzeler receives friendship award for relations with West Germany

The WU Madrigal Singers traveled to four southern states Jan. 10-15 as part of their 1985 tour program. Under the direction of Orland Johnson, WU professor of music and director of choral organizations, the group performed music from the Renaissance to the 20th century. The choir has toured various U.S. cities for 22 out of the past 24 years.

Schools and organizations who hosted the singers were: Armstrong State College, Savannah, Ga.; Westminister High School, Atlanta, Ga.; Spelman College, Atlanta, Ga.; Samford University, Birmingham, Ala.; Baptist Church of the Covenant, Birmingham, Ala.; New Orleans School for the Creative Arts, New Orleans, La.; and Jackson State University, Jackson, Miss.

Although 16th-century madrigal songs form the nucleus of the group’s repertoire, the singers have become widely known for their renditions of contemporary and avant-garde music.

Johnson, who earned a doctorate in musicology from the University of Texas, has been teaching at WU since 1961. Formerly, he was assistant director of choirs at the University of Texas.

His choirs have been invited to sing in Europe, Israel and South America. The WU Madrigal Singers have performed in New York’s Town Hall and at the White House.

Douglas Weeks, conductor of the University’s civic chorus, is assistant to Johnson.
Kroc foundation

"These combinations of current and potential constraints further re-
quired the designation of a biomed-
ical scientist currently using such
behavioral approaches to study diabe-
tes—a disease of special interest to The
Kroc Foundation. Cognizant of pos-
tible solutions of the diabetes prob-
lem in the next decade or two, the
inclusion of other endocrine diseases
to the long range research aim of
this endowed professorship."

Lacy, Department of Pathology, head
for more than 20 years, stepped
down from the position earlier this
to concentrate full time on the
research for which he is recognized
worldwide. One of his most impor-
tant achievements is his success in
controlling diabetes by transplanting
Islets of Langerhans, which are clus-
ters of insulin producing pancreas
cells. Lacy is credited with signifi-
cantly advancing immunology, organ
transplantation, and the search for
better diabetes treatments.

He commented upon a key
source of his research support:
The success of our research program on
islet transplantation can be attributed to
the faith, trust and financial sup-
port that has been provided to us by
The Kroc Foundation for many years.
This financial support made it possi-
ble for us to bring islet transplanta-
tion to the threshold of human appli-
cation in diabetes. Thus it is a great
privilege and honor for me to be-
named the first Robert L. Kroc Pro-
fessor in recognition of two remark-
able individuals—Mr. Ray Kroc and
Dr. Robert Kroc, Jr.

The Kroc professorship in dia-
betes and endocrine diseases is the
first of three new endowed chairs to be
established by The Kroc Foundation.
Since 1989, the foundation has pro-
vided research support totaling more
than $46 million to institutions in
this country and abroad. In addition,
it has sponsored more than 150 adver-
ses at over 100 research conferences.
Most of the conference proceedings have
been published in books and jour-
nals, some in extended form as mono-
graphs.

Over the years, WU has received
Kroc Foundation grants totaling
over 6 miles per gallon. The first grant
was given in 1971 to start Lacy's
work in transplanting Islets of Lan-
gerhans. A total of 15 grants have
been made for research relating to
diabetes as well as multiple sclerosis,
varying forms of arthritis, connective
tissue and bone disease. Thirteen
principal investigators have directed
this research. Many of these scientists
and others from WU participated in
The Kroc Foundation research
conferences at its headquarters at Ray
Kroc's Ranch in the Santa Ynez Val-
ley, in California. This close as-
sociation with WU now culminates
with establishment of the chair in
diabetes and endocrine diseases.

Students can use computer to find part-time jobs

The WU Career Planning and Place-
ment service has stepped up its ef-
torts to place students in part-time
jobs by initiating computerized list-
ings and an outreach program to po-
tential employers in the WU area.

Students now have access to part-time job listings at eight com-
puter satellite facilities, including
nearly 200 terminals, all over cam-
pus. To use the service, they must
register with Career Planning and
Placement at 889-5930.

As of Dec. 1, 1984, 230 listings
were in the job bank, according
to Karen Coburn, director. The jobs
are grouped into categories. Since
the service began in August 1984, 638
jobs have been posted.

"We still list jobs on the bulletin
board in the career library (102
Unrath Hall)," Coburn said, "for stu-
dents who are not comfortable with
the computer. Those listings are
from paper sources.

"We recently mailed job
development brochures to employers
in the area, and the response was
very good," she said. "Now we need
more students to take the jobs."

Drama Division presents premiere
of 19th-century play 'Woyzeck'

The St. Louis Actors Ensemble, in
conjunction with WU's Drama Divi-
sion, will present the St. Louis pre-
miere of Georg Buchner's
"Woyzeck" at 8 p.m. Jan. 17-19 in
Graham Chapel. The play also will be
performed at 8 p.m. Jan. 25 and
26 in the Mossa Center, 1214 Wash-
ington Blvd., just west of Tucker Boule-
vard.

This rarely performed 19th-cen-
tury play, which includes many
short scenes, is considered a forerunner to
Bertolt Brecht's epic theater of the
20th century. "Woyzeck" is the
story of a man in a small Bohemian
village who becomes hallucinating vi-
cenile but driven to commit a vio-
cent crime. Werner Herzog based his
movie "Woyzeck," which starred
Klaus Kinski, on the play.

Stefan Fittnerman, director of the
upcoming production, said the play
will be performed in "poor theater" style with minimal sets, costumes
and lights, and with emphasis on act-
ing, music and text. The perform-
ances at the Mossa Center will be
presented in a storefront space that
will use the outside street action as a
backdrop.

Fittnerman recently directed
"Swan Song," winner of the 1984 St.
Louis Playwrights' Festival, at WU.
He spent 1982-84 in Poland and
Yugoslavia working in theater under
two Fulbright-Hays research grants.

The St. Louis Actors Ensemble is
an 11-member group formed from
people who met during the produc-
tion of "Swan Song.

Tickets are $2 at the door. WU
students with a valid ID will be ad-
mitted free to the performances at
Graham Chapel. For more in-
formation, call 889-5858.

Lady Bears basketball team
shooting for record season

After one semester of action, the WU
women's basketball team is off to its
best start since the team's inception
in 1979, posting a 6-1 record. Head
coach Gaye Kinnett has assembled
her best team to date and is excited
about the potential of this club.

"These players are young and in-
experienced, but they have a great
great desire to excel," said Kinnett.
"They have more desire than any other
team I've coached, but are going to
to have to improve a great deal as a
unit before they reach their peak."

The Lady Bears' only loss to date
was to a much-improved Maryville
College team and the defeat was by
two points, 67-69, on a basket at the
buzzer. WU has won three games
since the loss and will be looking to
continue their string against Illinois
Wesleyan and Division III power,
Fisk College.

St. Louisans Jacque Welkener
and Debby Braun, mainstays of last
year's 11-8 team, have again taken
charge of the WU offense, combining
for more than 35 of the team's 76
points per game (ppg). The two "super
sophs" have established numerous
WU individual records and are on the
 verge of shattering several more.

Upperclassmen Laura Vrlenich,
St. Louis, and Anita Holtz, Bartles-
ville, Okla., have stabilized the front-
line for WU. Vrlenich is averaging
6.8 ppg and 6.0 rebounds per game
(rpg), while Holtz is scoring in double
figures with 15.5 ppg and leading the
team in rebounds with 9.5 ppg.

"We have our work cut out for
us," said Kinnett. "We're looking to
improve our execution," said Kinnett. "If we can
improve this area, I think our total
game will improve. It's hard to com-
plain when you're 6-1, but you al-
ways find something that needs to be
polished or improved."

WU hosts Fisk College of Nash-
ville, Tenn., at 2 p.m. this Saturday,
Jan. 19, in the WU Fieldhouse.

Fitness program available to
WU community

The Department of Athletics is spon-
soring a Physical Fitness Program for
the community from Jan. 14-March
19. Emphasis is placed on cardiovas-
cular endurance, muscle tone and
flexibility using carefully graded ex-
ercises, along with progressive jog-
ging to promote one's physical fitness.

Each participant progresses at
his/her own rate, and exercise is pre-
scribed based upon individual capa-
bilities.

A pre- and post-fitness evaluation
to determine cardiovascular improve-
ment and body composition measure-
ments is included as an optional part
of the program.

The program is offered on
Mondays, Wednesdays, and Fridays from 7
to 8 a.m. under the direction of Rick
Larsen. The fee for the program is
$40, plus $20 for the optional fitness
test.

For more information, call Rick
Larsen at 889-5220.
**LECTURES**

**Thursday, Jan. 17**
2:30 p.m. Dept. of Mechanical Engineering Seminar, “Analytical, Numerical and Experimental Techniques of a Study of Natural Convection,” Kei Shun Lau, Dept. of Mechani-
cal Engineering, U. of Minn. 100 Cupples II.
4 p.m. Dept. of Mathematics William H. Roeper Lectures in Geometry, “The Geo-
metric Interpretation of Anomalies in Quantum Field Theory,” I.M. Singer, MacArthur Profes-
sor of Mathematics, M.I.T. 101 Lopata. (Also Fri., Jan. 18, same time, Lopata.)
4 p.m. Dept. of Chemistry Seminar, “Tak-
ning a Nutcracker Temperature,” Dave Morton, pro-
of chemistry, Michigan State U. 311 McMillen.

**Friday, Jan. 18**
8 p.m. Gallery of Art Hortense Lewin Leuc-
ture, “Jean Dubuffet: 40 Years of His Art,” Reinhold Heller, acting director of the Smart 
Gallery of Chicago. A reception will fol-
low. The doors open at 7 p.m. Steinberg Aud.

**Saturday, Jan. 19**
11 a.m. Saturday Seminar, “Engineering Babes,” David Kerk, WU prof. of bio-
sponsored by the Master of Liberal Arts Pro-
gram, and Scissvory College. Graham Chapel.

**Sunday, Jan. 20**
5 p.m. Asian Art Society Film Lecture, 
“The Art of the Chinese Film,” Robert Hegel, WU acting chairman of the Dept. of Chinese 
and Japanese. Meyer Language Lab., 210 Re-

**Monday, Jan. 21**
11 a.m. Student Union Lecture, “Israel: 
Yesterday, Today and Tomorrow,” Rabbi Meir 
Barbara Lewalski, prof. of English, Harvard U. 311 

**Wednesday, Jan. 23**
11 a.m. Assembly Series Lecture with 
Stanley Elkin, WU Prof. of English, Harvard U. 
Modern Letters, reading from The Magic King-
dom. Graham Chapel.

**Thursday, Jan. 24**
2:30 p.m. Center for the Study of Data 
Processing Symposium, “Managing the De-
sign of End User Computer Interfaces,” James 
Foley, computer graphics consultant, Wash-
ington, D.C. 100 Lopata.

**Friday, Jan. 25**
7:30 p.m. WU Filmboard Series, “Vertigo.” 
$2. Brown Hall. (Also Sat., Jan. 26, same 
time, Brown.)

**Saturday, Jan. 26**
1 p.m. Women’s Swimming, WU vs. 
Hendrix College. Field House.

**MISCELLANY**

**Saturday, Jan. 19**
10 a.m.-noon. University College Fiction 
Workshop, Instructor Philip Simmons, mem-
ber of the WU’s Writer’s Program. (Also several 
other Saturdays, same time) 207 Cupples I. 
$10 registration fee. For more info., call 
889-6735.

**Friday, Jan. 18**
6 p.m. Men’s Basketball, Washab College vs. 
Lindenwood College. Field House
7:30 p.m. Men’s Basketball, WU vs. DePauw 
U. Field House.

**Monday, Jan. 21**
4-6 p.m. Personal Computing Education 
Center (PCEC) Short Course, “352 Word 
Processing on the Microcomputer,” David 
Benson, director of the PCEC. Free to WU 
23, and Thurs., Jan. 24, same time.) To reg-
ister, call PCEC at 889-5813.

**Friday, Jan. 25**
5:45 p.m. Shabbat at Hilliel House, 6300 
Forbyl Blvd. Services at 5:45 p.m. and program at 
8:30 p.m. Cost is $5 for members and $4.50 for non-
mem-
726-6177.

**Sunday, Jan. 26**
6 p.m. Men’s Basketball, WU vs. 
Wesleyan College and School of the Ozarks. 
St. Louis Community College at Forest Park.

**January, 17-26**