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## Washington University Record, August 28, 1980

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August 28, 1980

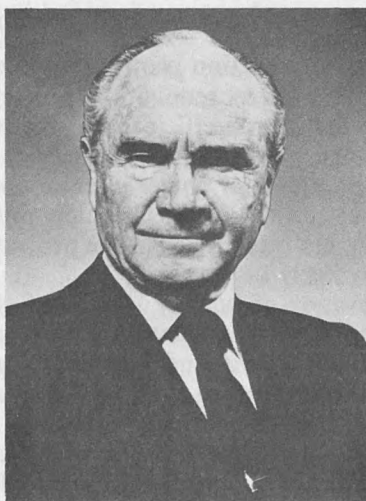
# W.U. RECORD

## James S. McDonnell, Aerospace Titan and WU Benefactor, Dies at 81

James S. McDonnell, 81, founder and board chairman of McDonnell Douglas Corporation, who befriended Washington University and provided faithful service and generous gifts over many years, died Friday morning at his home in St. Louis County.

Of his passing, Chancellor William H. Danforth said eloquently: "I have lost a friend and mentor. Washington University has lost its most important benefactor. The world has lost one of the truly great leaders of this or of any age."

"Mr. Mac," as he was known, referred to himself as a "practicing Scotsman," but his generosity to WU became legendary. Chancellor Danforth enumerated some of these gifts in a personal statement issued on the occasion of McDonnell's death. "These legacies of his great generosity to WU included," he noted, "the McDonnell



James S. McDonnell

Center for Space Sciences, the McDonnell Medical Sciences building, the McDonnell Department of Genetics, the McDonnell Laboratory of Biochemical Genetics, the McDonnell Center for Studies of Higher Brain Function, the McDonnell Laboratory for Psychic Research and the endowment of the

WU Medical Center." The gifts to WU from McDonnell, his family, the McDonnell Foundation and the corporate foundations totaled over \$28 million.

Of all of the many McDonnell gifts to WU, perhaps the one that brought him the greatest satisfaction was the \$5.5 million gift the James S. McDonnell Foundation made last May for the creation of the McDonnell Center for Studies of Higher Brain Function. "I really consider it to be kind of the crowning glory in my life of trying to do avocational good in the world," McDonnell said.

McDonnell's service to the University matched his munificence. Elected to the WU Board of Trustees in 1960, he served as its chairman from Oct. 1963 to June 1966. During part of this same period, he also served as a leader of the Washington University Medical School and Associated Hospitals (WUMSAH), now known as WUMC (The Washington University Medical Center). Elected to its board in Dec. 1963, he served as chairman from June 1964 to June 1966.

Danforth said that while McDonnell was head of the University's Board of Trustees, "he gave unstintingly of his time and energy. Four- to six-hour meetings were not uncommon. He developed a detailed knowledge of University finances and of the functioning of the Hilltop and Medical campuses, and became friends with the people involved. Instrumental in bringing peace to a troubled medical center, he clarified and strengthened the relationship between WU's School of Medicine and Barnes Hospital." These negotiations led to a 1964

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## Campus Improvements Include \$5 Million Student Housing Complex

The first occupants of the most recent on-campus student housing to be built at WU since Eliot Hall in the South-40 was completed in 1966, moved into 156 renovated and new units at 6924 and 6926 Millbrook Blvd. on August 15. With the completion of the work in early 1981, the \$5 million building and rehabilitation project will have increased WU's on-campus student housing capacity by 288 units.

The project, which began last fall, includes modernization and renovation of the interiors of three existing faculty apartment buildings on Millbrook Blvd. and the construction of a fourth building. The new building will also house the Office of Off-Campus Housing.

The new building and the existing buildings, which over the years have housed offices and music practice rooms as well as small apartments for graduate students, include apartments with five to eight single bedrooms radiating around a kitchen, combination living and dining room and bathroom. The larger units in the new building have two bathrooms and some apartments have outside decks. The entire project will more than double the complex's current bedroom capacity of 110 and will have a total square footage of 110,000.

"The trend is more and more toward on-campus housing," said Joe F. Evans, associate vice chancellor for business affairs. "In order to maintain the attractiveness of the University to in-

coming students, we are responding to this demand." Evans cited as additional reasons for the project a decrease in rental units close to the University because of condominium conversions, increased transportation costs and security.

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Balconies grace some of the apartments in the new student housing building in the 6900 block of Millbrook Blvd.



## Lacy Team Takes Second Step Toward New Diabetes Treatment Method

WU pathologist Dr. Paul E. Lacy and his research team announced this summer the successful completion of the second step in a series of experiments which could result in a greatly improved method for treating diabetes.

The experiment, described in the July 11 issue of *Science* magazine, represents the first time that islets, clusters of pancreas cells, which include insulin-producing beta cells, have been transplanted from one animal species to another without incurring immunological rejection. In this latest experiment, islets were transplanted from healthy rats to diabetic mice. Last year, Lacy's group broke new ground by successfully transplanting islet cells between rats of different genetic strains. Having accomplished the cross-species transplant, Lacy's team will attempt transplants between other animals.

"The third step will be to see how far across the species barrier we can go," Lacy said. "Next we will try to transplant islet cells from the pancreases of pigs into diabetic mice. If the pig-to-mouse step works, then it will be feasible to attempt transplants of animal islet cells into humans," Lacy said. He estimated that it would take from three to five years to find out if animal islets can be transplanted to diabetic patients.

Lacy, Mallinckrodt Professor and department head of pathology at the School of Medicine, was assisted by Dr. Joseph M. Davie, head of the Department of Microbiology and Immunology, and Edward H. Finke, research assistant in pathology.

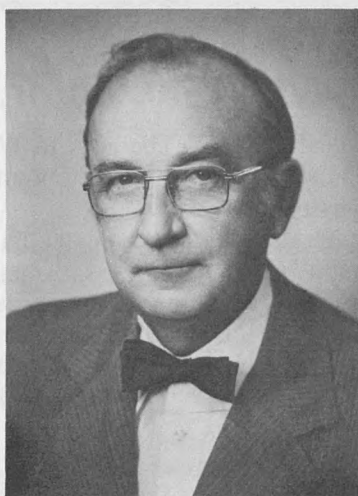
Diabetes, which afflicts 10 million Americans and causes or contributes to 300,000 deaths a year, is a condition where beta cells in the pancreas degenerate, producing no insulin, the substance which regulates the body's use of sugar. While insulin injections prolong life in diabetics, they do not control blood sugar levels as closely as doctors would like. Wide variations in blood sugar levels are suspected of contributing to complications of diabetes, such as heart attacks and blood vessel damage.

Lacy said that if the pig-to-mouse transplant is unsuccessful, researchers may have to return to the idea of using human islet cells for transplants to human patients. Scientists have not yet found an efficient technique to isolate enough islet cells from the very compact pancreases of human cadavers.

In both the mouse-to-mouse and rat-to-mouse experiments, Lacy's group utilized its own method for lessening the incidence of the natural immunological rejection response by placing healthy cells in tissue cultures at room temperature for several days. In the latest experiment, the diabetic mice also received a single injection of immune-suppressing drugs immediately before transplantation to minimize rejection. One unsolved problem is how to eliminate immune suppressants, which can expose the patient to life-threatening infections.

In the most recent experiment, 10 rat islets were transplanted into the livers of 10 diabetic mice. Within two to four days, elevated blood glucose levels returned to normal, and, in seven of the 10 mice, remained at normal levels for 116 days. Mice receiving transplants of untreated cells and no immune-suppressants rejected their grafts within 7 to 12 days.

Even if the pig-to-mouse transplantations are successful,



Dr. Paul E. Lacy

several other problems must be solved before the procedure can be attempted in humans, Lacy said. The culture procedure must be examined to determine whether it is adaptable for use with islets from other animals and from man. Another vital question is whether islet transplants will maintain normal metabolic activity in the recipients for extended periods of time. Other questions pertain to the minimum number of transplanted islet cells needed to normalize blood glucose levels and the best site for islet implantation. Identification of specific types and numbers of cells responsible for immune rejection would allow development of procedures for eliminating these cells prior to islet transplantation, perhaps diminishing the need to accompany transplantation with any injection of an immune-suppressant.

The work was supported by a grant from the National Institute of Arthritis, Metabolism, and Digestive Diseases, a division of the National Institutes of Health, and the Kroc Foundation.

## Construction—*continued from p. 1*

Other construction projects were undertaken this summer.

A \$1.5 million renovation project at Urbauer Hall will improve the energy efficiency of the building, enhance its appearance and increase the research capability of the building. A \$1 million central power plant addition will provide heating and air-conditioning to Urbauer and surrounding buildings and will meet future needs. The project is scheduled to be completed by early next year.

Renovation of January Hall and S. Brookings has resulted in the expansion and relocation of several administrative offices. The Summer School and The School of Continuing Education offices have moved to room 100 January Hall. The College of Arts and Sciences has expanded into room 200 S. Brookings and the Center for the Study of Data Processing has moved into room 100 S. Brookings. Also, the Financial Aids office will be enlarged. Cost of the renovation is \$127,101.

Renovations and alterations for the chemistry department in Louderman Hall and the Radiochemistry Building will cost \$375,000. The remodeling will provide better facilities for faculty and graduate student research.

Wohl Center has been renovated to accommodate four eating facilities—a steak house and Italian, cafeteria-style and all-you-can-eat restaurants. The remodeling cost \$96,000.

Tuckpointing and caulking of 15 buildings cost \$97,678.

The carriage house behind Whittemore House was remodeled at a cost of \$82,000. Office space was provided and a lounge and a lunchroom were added for employees. Some food preparation also will be done in the carriage house which is connected to Whittemore House by a passageway. A new dining room on the second floor of Whittemore House is for members who want to order from a simpler menu and dine in less formal surroundings than on the first floor.

Roofing renovations completed or under construction include work on Busch Hall, the tower roof of Brookings, Umrath Hall, Prince Hall, Francis Gymnasium, Givens Hall, Louderman Hall, the Radiochemistry Building, the Clyclotron and University House. The University replaced broken stones in the Brookings steps.

## Sen. Danforth Hosts "Town Meeting" with FTC Chairman

Sen. John C. Danforth (R-Mo.) and Michael Pertschuk, chairman of the Federal Trade Commission, will be on campus for a "Town Meeting on Consumer Affairs" at 10 a.m., Tuesday, Sept. 2 in Mudd Hall. The "Town Meeting" is sponsored by the WU School of Law and Student Union and is free and open to the public.



## McDonnell Gift to Space Center Sparks New Study of Cosmic Dust

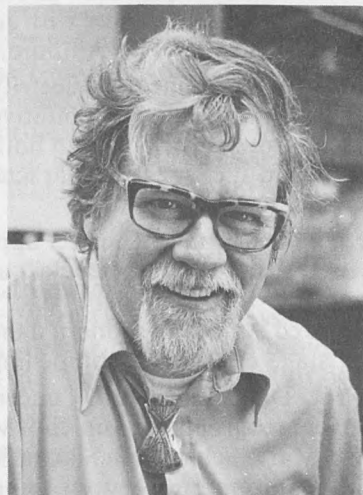
A \$1 million gift to the WU McDonnell Center for the Space Sciences from its most generous benefactor, the McDonnell Aerospace Foundation Inc., which was headed by the late James S. McDonnell, its president, was received earlier this month. McDonnell was the founder and chairman of the McDonnell Douglas Corporation.

"A major portion of the funds will be used," explained Robert M. Walker, McDonnell Professor of Physics and director of the Center, "to strengthen our studies in the broad field of theoretical astrophysics." Directing these studies will be a senior professor in theoretical physics. It is expected that this appointment will lead, in turn, to the recruitment of additional faculty.

They will join scientists at the Center who are pioneering in a variety of studies. One new research direction involves the study of so-called "space dust," tiny particles each weighing about one-billionth of a gram. "This space dust may, in fact, turn out to be star dust," Walker explained. "Most scientists speculate that the dust originally came from comets, which are known to spew out large quantities of such materials.

"We suspect that comets are composed of unaltered primordial material that was originally part of the gas-dust-cloud that collapsed to form the sun and planets nearly five billion years ago," he continued. "If we can prove that these dust particles were, indeed, there at the beginning of our solar system, we should be able to learn a great deal more about the origin of the sun and the planets."

The particles are collected for laboratory studies during U-2 airplane flights supervised by the Ames Research Center, Palo Alto, Calif. Called Brownlee particles, they



Robert M. Walker

are named for their discoverer, astronomer Donald E. Brownlee. Extremely rare, only about one particle is collected for each hour of flying time. "We are fortunate," Walker added, "to be one of a few academic institutions that have access to them."

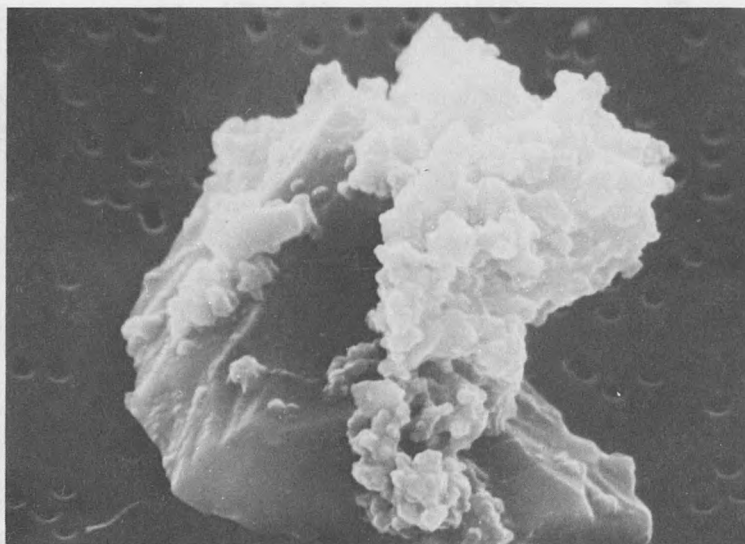
These fortunate few must be extremely careful not to lose these precious specks. Researchers studying them must wear special clothing and work in what is known as a "clean room." "You can't imagine how incredibly clean one has to be in this kind of work," Walker emphasized.

Some \$550,000 of the new McDonnell gift will be used to buy or build an instrument called an ion probe to enable the WU Space Center scientists to make more detailed analyses of the space dust. "Such an instrument is in the absolute forefront of science, and will allow scientists to study the particles 'atom by atom,'" Walker said. "We expect that many scientists in the St. Louis area will make use of the new instrument."

The WU Center has long been concerned with theoretical studies of the structure of unusual astrophysical objects such as neutron stars. Its scientists also are studying the processes that accelerate and transport individual nuclei, such as galactic cosmic rays, energetic solar flare particles and solar wind plasmas, through space.

"By expanding this existing theoretical base, we shall match our effort in theoretical astrophysics with that already achieved in the experimental area," Walker emphasized.

Since its establishment in 1974 with a gift of nearly \$5 million from the McDonnell Aerospace Foundation Inc., the Center has, according to Walker, "achieved international



This image of a particle of "space dust" was made by former postdoctoral research associate James Shirck with a scanning electron microscope. The particle measures five microns, or five millionths of a meter, in width.

eminence for the broad range of its experimental work in astrophysics, which includes the investigation of extraterrestrial materials (lunar samples, meteorites, interplanetary dust), planets, stars and the large-scale structure of the universe."

The McDonnell Foundation's most recent gift brings to \$8.2 million the total which it has given to the McDonnell Center. In accepting the latest contribution, Chancellor Danforth said: "The name McDonnell, synonymous with pioneering achievements in aviation and the exploration of outer space, is also identified at WU with creative philanthropy which has led not only to the fostering of basic investigations in the space sciences, but also in other areas ranging in diversity from biochemical genetics to the brain itself."

## Freshman Class Profile Shows Much Diversity, High Achievement

A profile of the 1,101 members of the WU class of 1984 shows high academic achievement in addition to active involvement in many extracurricular activities, according to William H. Turner, director of admissions. More than half of the members of the freshman class (approximately 57 percent) placed in the top 10 percent of their high school classes.

Some 267 members of the class were in their high school's National Honor Society, and approximately 175 members of the class are National Merit Scholars. The class includes many freshmen with leadership experience: 52 editors of high school newspapers, 55 editors of high school yearbooks, 13 soccer team captains, and 8 football team captains, Turner said.

"We are very pleased with the continuing diversity of the freshman class," says Turner. "They come from all 50 states and from quite varied religious, cultural, socio-economic and racial backgrounds. It is a freshman class that has a great deal to share." The class was selected from a pool of 4,400 students.

Forty-four foreign nations, a record number, are represented in this year's freshman class. Approximately 30 percent of the students are from Illinois and Missouri and another 30 percent are from the Mid-Atlantic states. The remaining 40 percent are from other states and foreign countries.

Enrollment by schools shows 675 in the College of Arts and Sciences; 64 in the School of Architecture; 80 in the School of Business and Public Administration; 217 in the School of Engineering; and 65 in the School of Fine Arts.

According to Richard E. Young, director of student records, this year's overall enrollment will be similar to last year's: some 4,400 undergraduate students; nearly 3,800 graduate and professional program students; approximately 2,200 University College students and some 200 unclassified students.



## Edison Season Glitters with Shakespeare, Ragtime, Jazz Dance

At Edison Theatre, the curtain is about to rise on the 1980-81 season of 23 theatre, dance and music events. Renowned professional touring artists from as far away as Broadway, Spain and Israel have been slated. Other performers, young and upward bound, with exciting new approaches to their art, may also be seen. The University's own Performing Arts Area has scheduled three plays with proven box office magnetism.

Not only is the new season lustrous, but entertainment values are as good as gold, according to Hazel Forster, assistant director of Edison Theatre. Tickets to Edison events, though slightly higher than last year's, remain "a fantastic bargain," she said.

This year's student season pass includes the "Music at Edison" series for the first time. The pass allows admission to all 23 events and costs \$30, an average of about \$1.30 per show. For more information, call the Edison Theatre box office at Ext. 6543.

The Fujian Hand Puppets from the People's Republic of China, making their first U.S. tour, open the series on Sept. 19 with a form of Chinese theatre that is virtually unknown to Westerners. The puppets sing, recite, ride horseback and even perform acrobatics.

Next is the award-winning company from the Long Wharf Theatre of New Haven, Conn., with Noel Coward's *Private Lives* on Oct. 17 and James Goldman's *A Lion in Winter* on Oct. 18.

"Ragtime '80," Edison's annual salute to ragtime, follows Oct. 30 to Nov. 2, with the New American Ragtime Ensemble, Richard Zimmerman, Ian Whitcomb, the Amherst Saxophone Quartet, Trebor Tichenor and the St. Louis Ragtimers, Steven Radecke and Don Burns.

Dimitri, Switzerland's great clown, classic mime, acrobat and musician, returns to Edison on Dec. 6 and 7 with his new one-man show and, on Jan. 23, the Broadway production of *A Kurt Weill Cabaret* features Martha Schlamme and Alvin Epstein performing Weill's Berlin and Broadway songs.

The New Globe Theatre, a repertory company from Bridgeport, Conn., committed to "the world's greatest hits," presents Shakespeare's *As You Like It* on Feb. 6, Shaw's *Candida* on Feb. 7 and Tennessee Williams's *The Glass Menagerie* on Feb. 8. *For Colored Girls Who Have Considered Suicide When the Rainbow Is Enuf*, Ntozake Shange's celebration of being black and being a woman, follows on Feb. 27 and 28.

The Charlie Byrd Trio concludes the season with concerts on March 20 and 21.

Tickets for each professional theatre event are \$6 general admission, \$4.50 for WU faculty and staff and area students and \$2.75 for WU students. Subscription tickets for the series of four "Ragtime '80" concerts are \$18.

### Dance Series

Leading off the season on Sept. 12 and 13, "Great Soloists in Dance" features leading dance figures Ze'eva Cohen, Margalit, and Clay Tagliaferro in a performance of works from their solo repertoires.

Pascual Olivera and Angela Del Moral will appear in "Spanish Dances in Concert," a colorful program of folk,



Angela Del Moral



The Fujian Hand Puppets, making their first U.S. tour from the People's Republic of China, open the Edison Theatre season Sept. 19 with a fascinating program of acrobatics, songs, recitations and other delights.

classical and fiery flamenco dances on Oct. 24 and 25. Olivera has been a lead dancer with Jose Greco. Del Moral was a ballerina for 16 years with Antonio, Spain's foremost dancer.

Sounds in Motion, an electrifying company of black dancers and musicians, is tentatively booked for Jan. 30 and 31. The troupe works within both the mainstream modern dance style and the jazz and character style usually associated with black dance.

The Nikolais Dance Theatre, appearing March 27 and 28, has been called "total spectacle" and "an Arabian Nights entertainment for the space age." Alwin Nikolais, who revolutionized American modern dance, is known for his wildly beautiful stage effects and compelling multimedia switch-ons.

The WU Dance Theatre in Concert is slated for April 24-26. Resident choreographers Annelise Mertz, Mary Jean Cowell and Anna Marie Schary join Satoru Shimazaki and other guest artists in exploring a diversity of approaches to movement.

Subscription tickets for the series of five dance concerts are \$20. Individual tickets to each touring company concert are \$6 general admission, \$4.50 for WU faculty and staff and area students and \$2.75 for WU students. Tickets to the WU Dance Theatre in Concert are \$4.50 general admission and \$2.75 for WU faculty and staff and all students.

### Music Series

The Sunday evening "Music at Edison" series, which has been expanded from five to seven dates, opens on Sept. 14. On that date, pianist Seth Carlin will present a memorial concert honoring the late Mrs. Samuel B. Edison, who donated the theatre to the University. Carlin, WU artist in residence, will perform on another gift from the Edison family—a new Steinway concert grand piano.

Following Carlin, cellist Nathaniel Rosen, winner of the Tchaikovsky Competition Gold Medal, will appear on Sept. 21, and John Reardon, long-time Metropolitan Opera baritone, performs on Oct. 19.

Soprano Irene Gubrud will present a recital on Nov. 23. A WU artist in residence, Gubrud has been called "not only a fine singer-musician and compelling actress, but an enchanting comedienne and an inventive programmer."

The popular ensemble Tashi presents a program for clarinet and strings on Feb. 1, followed by Trevor Pinnock, one of the world's leading harpsichordists and a WU visiting artist in residence on March 6.

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## Faculty Receive Promotions

The following faculty members received promotions as of May 31, 1980.

### Hilltop Campus

Garland E. Allen, to professor of biology; Kathleen F. Brickey, to professor of law; Marilyn Cohn, to assistant professor of education; David L. Elliott, to professor of mathematical systems; John F. Garganigo, to professor of romance languages; Noorallah Gillani, to associate professor of mechanical engineering; Gene R. Hoefel, to associate professor of art; Edward J. Imwinkelried, to professor of law; Bernetta Jackson, to professor of English and of education;

George B. Johnson, to professor of biology; James F. Jones, to associate professor of French; Ronald M. Levin, to associate professor of law;

Jill Dill Pasteris, to assistant professor of earth and planetary sciences; Silvia Pedraza-Bailey, to assistant professor of sociology; David Peters, to professor of mechanical engineering; Curtis Price, to associate professor of music; Barbara Salert, to associate professor of political science; Edward L. Spitznagel, to professor of mathematics; William K. Volz, to assistant professor of chemical engineering.

### School of Dental Medicine

Robert C. Adler, to assistant professor of dental sciences; Samir El-Mofty, to associate professor of pathology; Joseph H. Laffler, to associate professor (part-time) of dental sciences; Richard Latner, to associate professor (part-time) of dental sciences; Judel Lew, to assistant professor (part-time) of fixed prosthodontics; James L. McLees, to assistant professor (part-time) of periodontics; Thomas C. Waldrop, to assistant professor (part-time) of periodontics.

### School of Medicine

Trichey M. Balasubramanian, to research assistant professor of physiology and biophysics; Mary G. Beale, to assistant professor of pediatrics; Nathan A. Berger, to associate professor of medicine; Steven R. Bergmann, to assistant professor of



Something of a pioneer spirit prevailed one recent rainy August morning as the first of 150 new residents put down stakes in the newly constructed and renovated student housing complex on Millbrook Blvd.

medical physiology in medicine; Michael Bieri, to assistant professor of psychiatry; Robert C. Collins, to associate professor of neurology; Thomas H. Covey, Jr., to associate professor of surgery (general surgery); Susan E. Cullen, to associate professor of microbiology and immunology; Ruthmary K. Deuel, to associate professor of pediatrics and associate professor of neurology; W. Edwin Dodson, to associate professor of pediatrics and associate professor of neurology;

Paul N. Duckro, to assistant professor of medical psychology in psychiatry; Richard Escoffery, to assistant professor of clinical ophthalmology; William Averill Frazier III, to associate professor of biological chemistry; Keith H. Fulling, to assistant professor of pathology; David A. Gee, to professor of health care administration; Lawrence Gelb, to associate professor of medicine; Deborah Jo Gersell, to assistant professor of pathology; Ronald L. Gingerich, to research assistant professor of pediatrics; Erika G. Gisel, to assistant professor of

*continued on p. 7*

## McDonnell—*continued from p. 1*

contract between the two bodies. During his tenure as board chairman, WU also launched the successful Seventy by 'Seventy fund campaign with the objective of raising \$70 million by 1970.

McDonnell was best known as a titan of the aerospace industry. Starting with one employe in a rented office in 1939, he built McDonnell Douglas into one of the world's largest manufacturers of commercial jetliners, military aircraft, spacecraft and missiles, employing more than 82,000 individuals whom he called his "teammates." A McDonnell Douglas spokesman observed succinctly that McDonnell's death "diminishes the roll of those pioneers whose unique personalities and strengths brought this country eminence in aerospace."

He added that "throughout his life, McDonnell was convinced of the necessity of a strong, peaceful America, and devoted considerable energy to fostering acceptance of the United Nations and the North Atlantic Treaty Organization." McDonnell himself once observed: "There is nothing contradictory about supporting preparedness as the surest safeguard against war and at the same time supporting the UN. To the contrary, they are complementary concepts. They mark the surest road to peace."

McDonnell remained active in the McDonnell Douglas Corporation until he suffered a disabling stroke several weeks ago.

Among the many eulogies given following McDonnell's death was a tribute by Robert M. Walker, McDonnell Professor of Physics and director of the McDonnell Center for the Space Sciences. "The Center merely represents his vision and

deep personal interest in the extension of man's knowledge," Walker said. "He wanted to bring together people of very different backgrounds so they could strike sparks off of each other and come up with original ideas. He once remarked that giving money was easy but that giving it wisely was not. The thing that should be understood is that he really worked at his philanthropy. He possessed a remarkable vitality and curiosity and he accomplished extraordinary things. To these things he had a deep commitment."

For his many achievements, McDonnell received numerous honors, including the St. Louis Award, the National Academy of Sciences' Hunsaker Award, and six honorary degrees. Two of these, a doctorate in engineering and another in medicine, were conferred by WU in 1958 and 1977, respectively. McDonnell also received WU's William Greenleaf Eliot Society Award in 1974 for his distinguished service to the University and the community. Previously, in 1969, the executive faculty of the WU School of Medicine unanimously voted to make him an honorary member of that body, an unprecedented action.

Committed to the cause of privately established universities, McDonnell, as the 1963 WU commencement speaker, observed: "They are our citadels of freedom and strongholds of creative activity at a time when informed and responsible creativity is absolutely essential." It was this kind of foresight and conviction which prompted Chancellor William H. Danforth to conclude: "From him, many—myself included—drew inspiration to live lives of greater integrity, purpose, strength and courage, because he shared these virtues with us from his own inexhaustible supply."



## Dean Appointed For Graduate Arts and Sciences

Luther S. Williams, a distinguished scientist and educator from Purdue University, has been appointed dean of the Graduate School of Arts and Sciences and professor of biology. Williams succeeds David L. Kirk, WU professor of biology, who served as acting dean since August 1979.

At Purdue Williams was professor of biological sciences, assistant provost and director of the Resource Center for Graduate Education in Science and Engineering.

"Dr. Williams is a nationally recognized scientist, academician and administrator, and we are both pleased and proud to have been able to attract him to WU," Danforth said. "His previous campus responsibilities in behalf of faculty and students clearly indicate that he will become an invaluable asset to the University community."

A native of Sawyerville, Ala., Williams earned a PhD in microbial physiology from Purdue in 1968; an MS in biology from Atlanta University in 1963; and a BA in bi-



Luther S. Williams

ology from Miles College in 1961. He was also an American Chemical Society postdoctoral research fellow in biochemistry at the State University of New York at Stony Brook in 1968-69.

Williams joined the Purdue faculty in 1973 as associate professor of biology. Previously, he taught at MIT and Atlanta University.

Williams is a member of numerous professional and scientific organizations, including: American Society for Microbiology, American Chemical Society (biochemistry), American Society of Biological Chemists Inc., New York Academy of Science and the American Association for the Advancement of Science.

## Donors Give Over \$22 Million In Record Support for WU

A record number of 20,224 donors contributed \$22,397,845 to WU during the University's fiscal year ending June 30, 1980, according to George H. Capps, chairman of the Board of Trustees and of its development committee.

Capps stressed that this achievement represents a significant milestone for WU and demonstrates the great confidence which its alumni and friends have in its overall accomplishments and objectives. He explained that the grand total announced today is the largest in the University's history, with the exception of the total in 1977, when the \$60 million Danforth Foundation Challenge Grant was received. "It is this kind of support that makes possible private education of first quality. We thank all who participated in this outstanding effort," Capps said.

Chancellor William H. Danforth also expressed gratitude for the warm and liberal response of WU's contributors. "Thousands of donors in St. Louis and throughout the country have demonstrated their high regard for WU with their generous gifts," he said. "Their staunch support is an inspiring affirmation of their understanding of WU's position of leadership in the world of higher education."

Chancellor Danforth stressed that past faculty and student scholarly achievements were made possible because friends provided the vital financial help to sustain them. "This support is the foundation on which we shall build during the 1980s," he continued. "Our needs, as well as our accomplishments, will be ever greater," he predicted. "I am confident that those who gave so generously this year will be joined by many more who will want to be part of our mission."

Danforth reported that WU received \$9.6 million from alumni, parents and other individuals; \$4.6 million from corporations; \$4.6 million from foundations; and \$3.5 million from agencies and other organizations. Of the \$22.3 million received, approximately \$12 million was designated for capital purposes such as endowment and buildings. The remaining \$10.3 million was used for current operations, including research and student aid.

Herbert F. Hitzeman, Jr., vice chancellor for university relations, said, "We are particularly pleased that alumni giving to the University continues to increase. Gifts amounting to \$2,484,798 came from 16,482 alumni. This sum is the largest amount received from the greatest number of alumni ever to contribute to the University in a single year. Twenty-six and one-half per cent of the alumni gave—the largest percentage in the University's history. The Alumni Annual Fund, under the chairmanship of Henrietta Freedman, received \$1,101,961 as it surpassed all previous total contributions. More alumni than ever before are assisting WU by providing financial support, by serving on important committees, by aiding in the student admissions program, and by participating in important activities in St. Louis as well as 31 other key cities where we have council organizations. Through these efforts and countless others, they are helping the University to fulfill its purpose and its promise, and we value their many services."

## Art School Alumni Trip Is Open to Campus

New Harmony, Ind., a restored village where a communal society once flourished, is a favorite tourist attraction these days, but comparatively few are personally escorted around the historic site by one of its chief executives, Dennis T. Lawson.

That rare treat, however, will be one of the highlights of an all-day trip sponsored by the WU School of Fine Arts Alumni on Saturday, Sept. 6. An air-conditioned bus which will leave Mallinckrodt Center at 8 a.m., and return at approximately 8:30 p.m.

Enroute, Mrs. Norman F. "Bea" Mack, an authority on local and regional landmarks, will lecture on the "History of New Harmony." Upon arrival in New Harmony, the group will be met by Lawson, vice-president, Historic New Harmony Inc., and director, New Harmony Gallery of Contemporary Arts, and members of his staff. He will lead the tour to buildings by architects Phillip Johnson and Richard Meier and sculpture by the late Jacques Lipchitz. The WU group will also visit 12 renovated structures which are representative of the three major periods of this colorful community.

The price of the tour, including a gourmet lunch and a reception is \$60 per individual 15 years of age or over. Younger children are not eligible to attend.

Reservations will be accepted through Tuesday, Sept. 2. Call Ext. 6563 for further information.

## Jazz and Wind Ensembles Hold Auditions

The WU Jazz Ensemble and the WU Wind Ensemble will hold auditions in the coming weeks. Students and others experienced in improvisation and reading charts may audition for places in all sections of the Jazz Ensemble on Wednesday evenings Sept. 3 and 10. The Wind Ensemble will hold auditions for college students, music educators and outstanding high school students today and Tuesday, Sept. 2, from 4-6:30 p.m. All auditions will be held in Tietjens Rehearsal Hall. To make an appointment, call the Music Department at Ext. 5581.



## Faculty Notes

The American Academy of Child Psychiatry elected **Dr. E. James Anthony** to the position of president elect. Anthony, who will become president of the Academy in 1981, is director of the William Greenleaf Eliot Division of Child Psychiatry and Blanche F. Ittleson Professor of Child Psychiatry at the WU School of Medicine.

**Kenneth W. Chilton** has been appointed associate director of WU's Center for the Study of American Business. Formerly, he was assistant director of the Center and, during the last academic year, served as acting director while director Murray L. Weidenbaum was on sabbatical leave.

The Society of Neurological Surgeons has named **Dr. Sidney Goldring** president-elect of the organization. Goldring is professor and co-head of the Department of Neurology and Neurological Surgery at the School of Medicine.

**Charles M. Hohenberg**, WU professor of physics, has been selected chairman of the Lunar and Planetary Science Team of the National Aeronautics and Space Administration. The team reviews experiments and coordinates studies involving the use of lunar and extraterrestrial materials, including samples from the Apollo program, Soviet Luna missions and particles from comets collected by U-2 aircraft.

Random House Inc. has published the third edition of *Biology Today*, edited by **David L. Kirk**, professor of biology. **Alan R. Templeton**, WU associate professor of biology, is a contributing editor. The book is being used this fall by a number of prestigious colleges including Yale, Dartmouth, Vassar, MIT, Penn State, Case Western Reserve, Northwestern, Notre Dame, Cal Tech, the University of California—San Diego and WU.

## Coaching Brothers Do Battle At Soccer Bears Opener Sept. 1

The opening game of the season for WU's soccer Bears on Monday, Sept. 1, against Avila College of Kansas City, shapes up as a battle of coaching brothers.

Coach Joe Carenza's Bears will face a team coached by his brother Chris. The game will begin at 1 p.m. at Francis Field.

"Avila always has a good team," Coach Joe Carenza said. "I have no compunction about beating my brother. We're hoping to go all the way this year and we're not going to let Avila get in our way, if we can help it."

What Carenza means by "all the way" is the championship of NCAA Division III soccer competition. Two years ago the Bears finished second, and last year they finished third in that competition. "I see no reason why we can't finish first this year," Carenza said.

Returning to the WU team this fall are seniors Art Jurema and Matt Klosterman, who last year were

named to the national "All-American" team. Also, the Bears will have Gary Lubin, a junior, who has been starting goalkeeper for the last two years.

Carenza said the team will be strong in defense in the backfield. Returning starters in that backfield are Jeff Fish, Steven Winkler, Mike Feld and Steve Bigg.

Matt Gabauer, a transfer student from Avila College last year, will be able to play this year.

Forty players have turned out to try to make the team. "Our big question mark is offense," Carenza said. "Maybe we'll be able to get some offensive players out of the 40 who are trying to make the team. We've got a couple of freshmen who look like good prospects."

Fifteen of the season's 21 games will be played at Francis Field. The season will end on Nov. 2. Then come the playoffs and maybe the NCAA Division III championship.

## Faculty—continued from p. 5

occupational therapy; Boas Gonen, to assistant professor of medicine; Theodore J. Hahn, to associate professor of medicine;

Herschel R. Harter, to associate professor of medicine; John E. Helzer, to associate professor of psychiatry; Geoffrey Peter Herzig, to associate professor of medicine; Charles P. Hughes, to associate professor of neurology; Donald R. Ingram, to assistant professor of clinical otolaryngology; Charles C. Jacobs, to associate professor of clinical otolaryngology; Ercument A. Kopman, to associate professor of anesthesiology; Ronald Krone, to associate professor of medicine; Arnoldo Kuczer, to assistant professor of clinical otolaryngology; Natarajan Lakshminarayanan, to assistant professor of clinical psychiatry;

Vita J. Land, to associate professor of pediatrics; Michael W. Lieberman, to professor of pathology; Arthur D. Loewy, to associate professor of anatomy and neurobiology; Philip A. Ludbrook, to associate professor of radiology; Edward H. Lyman, to associate professor of clinical otolaryngology; Daniel C. Marcus, to research assistant professor of otolaryngology; Richard E. Marshall, to professor of pediatrics; Dwight E. Matthews, to research assistant professor of medicine; Jay M. McDonald, to associate professor of pathology and of medicine; Lynn J. McLaughlin, to assistant professor of medical psychology in psychiatry;

David Meltzer, to assistant professor of ophthalmology; Mary Ann Montgomery, to assistant professor of clinical psychiatry; Robert A. Moses, to professor of ophthalmology; James Francis Nickel, to associate professor of clinical medicine; Michael F. O'Connell, to assistant professor of medical psychology in psychiatry; Kathryn S. Ratcliff, to assistant professor of sociology in psychiatry; Luis Reuss, to professor of

physiology and biophysics; William M. Riedesel II, to assistant professor of clinical psychiatry; Steven M. Rothman, to assistant professor of pediatrics; Julio V. Santiago, to associate professor of pediatrics;

Robert Edward Schmidt, to assistant professor of pathology; Benjamin D. Schwartz, to associate professor of medicine and associate professor of microbiology and immunology; Penelope G. Shackelford, to associate professor of pediatrics; James C. Sisk, to associate professor of clinical medicine (dermatology); Janice R. Sufrin, to research assistant professor of physiology and biophysics; John H. K. Sweet, to assistant professor of clinical psychiatry; Kutay Taysi, to associate professor of pediatrics; Bradley T. Thach, to associate professor of pediatrics; W. Thomas Thach, Jr., to professor of neurobiology and of neurology; Samer Thanavaro, to assistant professor of medicine;

Alan J. Tiefenbrunn, to assistant professor of medicine; Mary Anne T. Tillman, to assistant professor of clinical pediatrics; Arthur W. Toga, to research assistant professor of neurology; Douglas M. Tollefsen, to assistant professor of medicine; James Michael Toomey, to professor of otolaryngology; Peter G. Tuteur, to associate professor of medicine; Jaime Vargas, to assistant professor of clinical psychiatry; Wayne A. Viers, to associate professor of clinical otolaryngology; Teresa J. Vietti, to professor of pediatrics in radiology (radiation oncology); H. James Wedner, to associate professor of medicine; Philip J. Weyman, to assistant professor of radiology; Michael Peter Whyte, to assistant professor of medicine; George F. Wooten, Jr., to associate professor of neurology; Julien Worland, to assistant professor of medical psychology in child psychiatry; Shozo Yokoyama, to assistant professor of genetics in psychiatry.



## Calendar

### August 29-September 4

WEDNESDAY, SEPT. 3

#### 11 a.m. Assembly Series

**Lecture, "Present Danger: American Foreign Policy,"** Norman Podhoretz, editor of *Commentary* magazine. Graham Chapel.

#### 4 p.m. Department of Physics

**Colloquium, "Bubble Dynamics or Up the Entropy Hill,"** E. T. Jaynes, Wayman Crow prof. of physics, WU. Crow 201.

THURSDAY, SEPT. 4

#### 4 p.m. Center for the Study of Public Affairs Lecture, "The 1980 National Election Study: Problems in Large-Scale Collaborative Political Research,"

David Sears, prof. of social psychology, UCLA. Lambert Lounge, Mallinckrodt Center.

#### 8 p.m. Asian Art Society Slide

**Lecture, "Theatre in China,"** Mark Amitin, New York theatrical producer and scholar. Edison Theatre. Cosponsored by the Dept. of Chinese and Japanese and the Performing Arts Area.

### Performing Arts

FRIDAY, AUGUST 29

#### 8 p.m. Edison Summer Stock Theatre Production, *Sleuth*,

with Trip Bates and Michael Fulk, and directed by Steven Leon, WU senior drama student. Edison Theatre.

Admission: \$6; \$4.50 for WU faculty and staff and area students; \$2.75 for WU students. Tickets available at Edison Theatre Box Office. (Also Sat., August 30, 8 p.m.)

### Exhibitions

#### "Old and Modern Master Drawings from the WU Collection,"

Print Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through Sept. 21.

**"American Art,"** an exhibit of 19th- and 20th-century paintings. Lower Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m.,

weekdays; 1-5 p.m., weekends. Through Dec. 31.

#### "Greek and Roman Medical Authors in the Renaissance,"

an exhibit of 16th-century editions of medical authors. Medical Library Annex, 615 S. Taylor. 8:30 a.m.-5 p.m., weekdays. Through Oct. 3.

#### "Core Show,"

works by first- and second-year drawing and design students. Bixby Gallery, Bixby Hall. 10 a.m. to 4 p.m. weekdays; 1-5 p.m., weekends. Through Sept. 12.

#### "Needle Expressions '80,"

an exhibit of over 100 original pieces of contemporary and traditional art needlework. Upper gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m. weekdays; 1-5 p.m., weekends. Through Sept. 7.

### Films

FRIDAY, AUGUST 29

#### 7:30 and 10 p.m., WU Filmboard Series, "2001,"

Brown Hall Theatre. Admission \$1.75. (Also Sat., Aug. 30, same times, Brown.)

SATURDAY, AUGUST 30

#### 12:30 a.m., WU Filmboard Series, "Barbarella,"

Brown Hall Theatre. Admission \$1. (Also Sun., Aug. 31, same times, Brown.)

MONDAY, SEPTEMBER 1

#### 7:30 and 9:45 p.m., WU Filmboard Series, "A Raisin in the Sun,"

Brown Hall Theatre. Admission \$1.75. (Also Tues., Sept. 2, same times, Brown.)

WEDNESDAY, SEPT. 3

#### 7:30 and 9:30 p.m., WU Filmboard Series, "One Day in the Life of Ivan Denisovich,"

Brown Hall Theatre. Admission \$1.75. (Also Thurs., Sept. 4, same times, Brown.)

### Sports

MONDAY, SEPTEMBER 1

1 p.m. Soccer, WU vs. Avila College. Francis Field.

## Edison—*continued from p. 4*

Rounding out the season on March 22 will be Murray Perahia, one of today's most sought-after pianists.

Subscription tickets for the series of seven "Music at Edison" concerts are \$20. Individual tickets to each concert are \$5 general admission, \$3.75 for WU faculty and staff and area students and \$2.75 for WU students.

### Performing Arts Area Series

The first offering of WU's own Performing Arts Area (PAA) drama series will be *The Diary of Anne Frank*, by Frances Goodrich and Albert Hackett, to be presented on Oct. 3-4 and 10-11. Directed by Diana Lee, WU assistant professor of drama, the play is a compelling story of a family's struggle to survive in World War II Amsterdam.

Next on the playbill is Tennessee Williams's *Small Craft Warnings*, to be directed by Herbert Metz, WU associate professor of drama, on Nov. 14-15 and 21-22. With power and lyricism, Williams tells of the dangers facing "vulnerable human vessels" and their struggles to weather them.

The season concludes on April 10-12, with Shakespeare's reminder that "the lunatic, the lover and the poet are of imagination all compact," the theme of *A Midsummer Night's Dream*. Sidney J. Friedman, chairman of PAA, directs the Bard's tale of misadventures among lovers, which resolves to the delight of all.

Subscription tickets for the series of three PAA plays are \$9. Individual tickets are \$4.50 general admission and \$2.75 for WU faculty and staff and all students.

### Curtain Time

All performances, with one exception, begin at 8 p.m. The April 12th performance of *A Midsummer Night's Dream* begins at 2:30 p.m. Tickets may be purchased at the Edison Theatre box office weekdays from 10 a.m. to 4 p.m. and on Saturdays from 10 a.m. to 3 p.m.

### Family Therapy Program Begins at GWB

A family therapy certificate program, the first of its kind in St. Louis, will be offered this fall by the Continuing Education Program of the George Warren Brown School of Social Work. Cosponsored by the Family and Children's Service of Greater St. Louis, the one-year program is designed to expand the range of therapeutic methods avail-

### Undergraduate Assistantship Program Resumes

Faculty members who want student help for their research projects should contact the Undergraduate Assistantship Program.

This program has served students by bringing the world of research into their learning experience, and researchers by



Seth Carlin

able to the practicing family clinician.

The program is open to applicants who have completed an MA or PhD in a human service or related field. It will include academic and clinical work that can easily be incorporated into a full-time work schedule. To apply, call the GWB Continuing Education Program at Ext. 6636.

providing competent assistance with research that otherwise might not have been undertaken.

For more information or to sign up a student, call Marlene D. Barrett, who is the director of the program, at Ext. 6806.