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$100,000 Matching Grant to College Contingent upon Alumni Giving

Chancellor William H. Danforth has announced that WU has been awarded a $100,000 challenge grant from the Joyce Foundation of Chicago. The matching funds are intended to encourage new and increased alumni annual giving.

The Joyce Foundation is a nonprofit foundation established by Mrs. Beatrice Joyce Kean of Chicago, Ill. in 1948. In 1974, two years after her death, the Foundation received a major portion of Mrs. Kean's estate, which included Joyce family-owned lumber companies and timber lands.

The $100,000 challenge grant is part of a three-year commitment that the Joyce Foundation has made to WU. The first year's funds are allocated to the College of Arts and Sciences and are contingent upon increased Arts and Sciences alumni giving. Proceeds from the challenge grant will be used to enhance the undergraduate education in the College through curriculum development, expansion and enrichment of current course listings and improvement of other key areas.

Michael N. Newmark (AB '60, JD '62) will serve as chairman of the Joyce Challenge Grant Annual Fund Program. Active in a wide range of alumni activities, he served as chairman of the Alumni Board of Governors from 1977 to 1979 and as president of the WU Law Alumni Association in 1971-72. He is a partner in the St. Louis law firm of Lewis, Rice, Tucker, Allen and Chubb.

Linda B. Salamon, dean of the College, said: “We in the College are delighted that the Joyce Foundation has provided us such a marvelous opportunity to expand our special educational programs. Academic richness and the flavor of excellence on our campus will be enhanced by interdisciplinary course offerings with a contemporary focus, close relationships with dedicated faculty, new options for off-campus study and new joint programs with our professional schools. These promising efforts are costly. Thus our alumni can offer us an

Andrew Young (far left), former U. S. Ambassador to the United Nations, responds to reporters’ questions at a news conference held Sept. 10 in the Women’s Building.

Young Talk Draws Crowd of 2000; Highlights Annual Festival

Students had to devote summer recreational hours to work, time-honored plans were thrown out of kilter, and agenda were altered with last minute changes. But Godfrey Ernie Goff, Jr., who co-chairs, with Delcie D. Merchant, the Association of Black Students (ABS), thinks it was worth it to have former U.S. Ambassador to the United Nations Andrew Young deliver the keynote address for the annual Black Arts and Sciences Festival. An estimated 2000 people heard Young's speech on Sept. 10, the largest crowd for a speech in Graham Chapel in recent years.

The Office of Student Affairs, Student Union, Special Educational Services, the Assembly Series and the Black Studies program cosponsored Young's appearance.

When ABS members learned late last spring that Young would be available to speak at WU this month, they changed their plans for an October or November festival. Speakers were contacted and performers were lined up over the summer, but the finishing touches to the four-day festival schedule were made in the first weeks of this semester. “A lot of last-minute work went into planning the festival around Young's visit,” Goff said, “but I think we did a good job.”

The four-day affair, which began Sept. 9, included a dramatic reading, a choral performance, discussions, and a party for new students. The Society of Black Engineers and the Black Pre-Medical Society held open houses.

Goff said that the next scheduled ABS event will be “Kwanza,” a four-night traditional African celebration stressing spirituality and family. It will take place near the end of November.

Next spring, ABS and other campus groups will sponsor the annual Martin Luther King Symposium which will feature author Maya Angelou. ABS weekend, highlighted by the “Afro Ball,” will be held in April.
Bell's Theory Updated by Lasers In Study of Planetary Gases

Alexander Graham Bell had little success when, in the late 1800s, he devised the photophone as an alternative to his more famous invention, the telephone. But the principle behind it, photoacoustic spectroscopy, today is used in the analysis of such diverse materials as fabric dyes, red blood cells, plant leaf chlorophyll and the atmospheric gases of distant planets.

The latter is the concern of William Hayden Smith, who holds a joint appointment as professor in the WU departments of Chemistry and of Earth and Planetary Sciences. Smith has refined Bell's technique by which a modulated beam of light is absorbed by a liquid or gas, causing the molecules to excite and de-excite. This excitation produces a slight vibration. But while Bell used sunlight, Smith directs laser light (narrow beams with colors of high spectral intensity) through tiny volumes of gas.

By analyzing the vibrational response of the gas molecules to different colors of light, he can characterize various gases, and even combinations of gases. Assisted by fourth-year graduate student Sue Bragg, Smith is using this method to establish a quantitative data base for many of the same gases that compose the atmospheres of Jupiter, Saturn, Neptune and Uranus.

The laboratory date is vital to Smith's telescopic observations at observatories at Kitt Peak, in Arizona, and Mauna Kea, in Hawaii. Using a telescope fitted with a special scanning filter capable of blocking out particular wave lengths of light, Smith examines the light absorbed by the atmospheric gases of planets. By comparing his findings to the lab data, he can determine the structure and composition of various planetary atmospheres. A vertical "slice" of Jupiter's atmosphere might show a thick cloud deck of water, ice and ammonium-hydrosulfide, a layer of fairly clear gas containing hydrogen, ammonia and methane, a thin layer of ammonia crystals, more methane and hydrogen, and finally, a layer of photochemical material.

"The things I'm doing right now would have been impossible only five years ago," Smith said. "We'll probably beat the Galileo mission (a U. S. space probe scheduled to orbit Jupiter in the mid-1980s) to some of its expected findings."

Smith currently works under four grants from the National Aeronautics and Space Administration and the National Science Foundation, ranging from laboratory studies of molecules and molecular ions to observations of the interstellar medium. He finds that spanning these two types of studies enhances his total research effort. "The two actually track and stimulate each other," Smith explained.

Eventually, he will use the laser photoacoustic spectroscopy technique to study molecules present in comets, and possibly, the earth's ozone layer. "The answer is still completely up in the air as to whether the ozone layer is endangered," Smith said. "People have been trying to model observations with incomplete lab data based upon assumptions."

To collect data on the ozone layer, Smith would observe changes in upper earth atmosphere molecules against a particularly bright star as a light source and standard. Meanwhile, the laboratory data he produces continues to allow analysis of ground-based and satellite observations of planets.

Honorary Degree Nominations Sought

Nominations are being sought for honorary degree recipients at the 1981 WU commencement exercises. Nominees should be distinguished representatives of their fields or professions or have made outstanding contributions to WU or the St. Louis community. All members of the WU faculty and staff may make recommendations which should be accompanied by reasons for the nominations and short current biographies. Candidates will be considered by the Honorary Degree Committee, a council of students, faculty, administrators and trustees. Send recommendations to Harriet Switzer, secretary of the committee, at Box 1060 by Oct. 1.

New Chilled Water Loop System Expected to Save $500,000 Annually

The large chiller units which provide partial or complete central air conditioning for some 20 campus buildings will be running less often next summer. But the air inside will be just as cool, thanks to a new chilled water loop system that workers began installing on the first day of school last month.

"We decided to get the messy part out of the way first," said Lawrence F. O'Neill, administrator of physical facilities, about the recent excavation project stretching from Mudd to Rebstock hall. According to O'Neill, plans call for the remainder of the 7,000-foot-long loop system to be routed through buildings and existing utility tunnels during the coming months.

The chilled water loop will conserve energy by linking all major buildings which now have central air conditioning, allowing individual chiller units to "ride" on the total system, O'Neill explained. University officials expect a yearly savings of $500,000 from the loop—enough to pay the cost of installation in less than two years, he said. As funds become available, additional buildings could be linked to the loop system at reduced costs.

In connection with the loop system project, some of the old steam-absorption chiller units serving major buildings will be replaced by electric centrifugal chiller units which operate on less than half as much energy.

These changes are part of a major energy conservation program designed to save $5.8 million by 1985, O'Neill said. Other phases planned for the near future include changes in the power plant steam system, and improvements of the heating, ventilation and air conditioning systems in 11 buildings: Bryan, McMillan, Olin Library, Monsanto, Compton, Mullinckrodt, Mudd, Eliot, Life Sciences, Busch and Rebstock.

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especially precious gift in the new and increased support that makes them a reality."

The matching funds that the Joyce Foundation will provide will vary. New gifts from Arts and Sciences alumni who gave to the Annual Fund last year will be matched one dollar for each two dollar gift increase over the previous year's amount. The Joyce Foundation will provide a $500 bonus for each Arts and Sciences alumni who joins the William Greenleaf Eliot Society with a gift of $1,000 or more. Arts and Sciences alumni who have not contributed since June 30, 1979, qualify with a $15 minimum gift, for a dollar-for-dollar match from the Joyce Foundation, essentially doubling their gift. Individual gifts matched by corporations will not be included in the Joyce fund. There are slightly more than 24,000 Arts and Sciences alumni.
Leon E. Ashford Appointed Head of SES

Leon E. Ashford, associate director of Special Educational Services (SES), has been named its director. He succeeds Gwendolyn Stephenson, who resigned this month to accept a position as Dean of Student Services at Forest Park Community College.

Stephenson also was coordinator of Student Services, but that position will not be filled. Ashford, associate director of SES since 1977, has worked with SES and its forerunners since 1970.

In announcing the appointment, Chancellor William H. Danforth said, “Ashford is an able administrator and skilled counselor. Under his leadership, I am confident that SES will continue to serve well the needs of our students, while working cooperatively with faculty members, departments and other units of the University.”

Student Services Offer “Survival” Courses

Are you a brilliant Student Union orator who secretly dreads the idea of job interviews? A prolific poet who nonetheless reads the labels of everything in the medicine cabinet several times before starting a history paper? A roommate to someone whose habits were delightfully eccentric at first, but now seem weird, even pathological?

To WU Faculty, Staff

Faculty Notes

J. Dewey Holten, who joined the WU faculty this fall as an assistant professor of chemistry, has been awarded a $25,000 Camille and Henry Dreyfus Grant for Newly Appointed Young Faculty in Chemistry. Holten is one of ten scientists awarded such a grant by the Dreyfus Foundation Inc. to individuals who have accepted new faculty appointments this year.

Isidore Silver, Rosa May Distinguished University Professor Emeritus in the Humanities, recently was named an honorary member of the Societe des Textes Francais Modernes. One of the Society’s most distinguished publications is the 20-volume critical edition of the Oeuvres completes de Pierre de Ronsard by the late Paul Lau- monier. Volumes of the publication appeared between 1914 and 1975. After Lau- monier’s death in 1948, the final volumes of this edition were revised and completed by Silver, in collaboration with Raymond Lebeuge, professor emeritus of the Sorbonne.

Dov Kadmond, MD, resident in urology at the WU School of Medicine, has been presented a research scholar award by the American Urological Association Inc. Kadmond was one of four young urologists presented with the annual awards which are intended to encourage the winners’ development as researchers and teachers.

Michael J. Welch, professor of radiation chemistry at the Mallinckrodt Institute of Radiology and professor of chemistry at WU, has received the Society of Nuclear Medicine’s Aebesold Award. He was honored for his contributions in radiopharmaceutical chemistry, clinical research, and teaching.

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ABS also will continue to sponsor Project Umoja, which is now in its third year. In this program, new minority students are matched with upper-level students, faculty and administrators. Together, they create “families” which meet regularly for dinner and other activities. The program is designed for the approximately three-quarters of the minority student body which lives outside St. Louis. “This program has been very successful in creating a family atmosphere which is important for students away from home for the first time,” said Goff.

Aside from these traditional ABS events, which, with the exception of Project Umoja, are open to the entire campus community, Goff promises other new programs this year. “We want to try out some new things. With each class of new students come new perspectives about ABS.”

Fitness Program Offered To WU Faculty, Staff

The WU Department of Sports and Recreation will sponsor a physical fitness program for men and women faculty and staff this fall. Sessions will be held Monday, Wednesday and Friday, 7 a.m. to 8 a.m. and noon to 1 p.m., Oct. 6 through Dec. 12. The fee for this program is $40 plus $20 for those wishing pre- and post-fitness evaluations to determine cardiovascular improvement and body composition measurements. For more information and application forms, contact Rand Rosen- thal at Ext. 5220.

The Fujian Hand Puppets, from the People’s Republic of China, will be presented Sept. 19 at Edison Theatre.
Calendar  
September 19-25

FRIDAY, SEPTEMBER 19
2 p.m. Department of Technology and Human Affairs Seminar, “Social Responsibilities of Scientists and Engineers,” Dan I. Bolef, WU prof. of physics. 307 Urbauer.

MONDAY, SEPTEMBER 22
4 p.m. Department of Biology Seminar, “Insertion and Excision of Transposon Tn5 in E. coli.” Douglas E. Berg, WU asst. prof. of microbiology and immunology. 322 Rebstock.

Music

SUNDAY, SEPTEMBER 21
8 p.m. Music at Edison Series, Nathaniel Rosen, cello. Edison Theatre. General admission $5; $3.75 for WU faculty and staff and area students; $2.75 for WU students. Tickets available at Edison Theatre Box Office.

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.

Performing Arts

FRIDAY, SEPTEMBER 19
8 p.m. Edison Theatre Series, The Fujian Hand Puppets from the People’s Republic of China. Edison Theatre. General admission $6; $4.50 for WU faculty and staff and area students; $2.75 for WU students. Tickets available at Edison Theatre Box Office.

Women’s Society Tour To Visit Amish Town

The Horse Farming Day Festival in Rockome Gardens, Ill., will highlight a Women’s Society of WU fall tour to the Amish community Saturday, Sept. 27. The festival will include corn shucking contests and demonstrations of early 19th-century farming techniques and Amish crafts. The cost of the trip, including lunch and dinner, is $33. The tour will leave Mallinckrodt Center at 7:30 a.m. and will return at approximately 10 p.m. For reservations mail a check to the Women’s Society of WU, Campus Box 1209. For more information, call Ext. 5295.

Travel Films Begin Oct. 3

The WU Association, St. Louis’s oldest travel documentary film-lecture series, will begin its program Friday, October 3. The series will continue on the first Friday of every month through May 1981 with two showings of each film-lecture at 6 and 8:30 p.m. in Graham Chapel. Each month a different country will be featured, with speakers and photographers sharing their first-hand experiences. Subscriptions are $19.25 for two, or $10.50 for a single enrollment. For more information call the School of Continuing Education, Ext. 6700.

WU Observatory Open For Stargazing

The WU Observatory, located atop Crow Hall, is open to the campus community and the general public from 7:30 to 10 p.m. on clear evenings, Monday through Friday. For more information, or to check whether the Observatory will be open on a given night, call OBSV (Ext. 6278) during those hours.

FRIDAY, SEPTEMBER 19
8 p.m. and 10:15 p.m., WU Filmboard Series, “The Muppet Movie.” Brown Hall Theatre. Admission $1.75. (Also Sat., Sept. 20, same times, Brown.)


MONDAY, SEPTEMBER 22
7:30 and 9:30 p.m. WU Filmboard Series, “Five Easy Pieces.” Brown. $1.75. (Also Tues., Sept. 23, same times, Brown.)

WEDNESDAY, SEPT. 24
7:30 and 9:15 p.m., WU Filmboard Series, “Get Out Your Handkerchiefs.” Brown. $1.75. (Also Thurs., Sept. 25, same times, Brown.)

“Eye of Silence,” an oil painting by Max Ernst, is part of a show of cubist, expressionist and surrealist paintings and sculpture at the WU Gallery of Art.

THURSDAY, SEPTEMBER 25
7 p.m. Soccer, WU vs. Maryville College. Francis Field.

4 p.m. Department of Physics Colloquium, “Cosmic Ray Abundances from the Experiment of the HEAO-3 Satellite,” Joseph Klarmann, WU prof. of physics. 201 Crow.

8 p.m. School of Fine Arts Visiting Lecture Series, with John White, West Coast artist. Steinberg Auditorium.

MONDAY, SEPTEMBER 22
8 p.m. Edison Theatre Series, “American Art.” 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,” Medical Library Annex, 615 S. Taylor. 8:30 a.m.-5 p.m., weekdays. Through Oct. 3.

“Cubist, Expressionist and Surrealist Paintings and Sculptures.” Upper Gallery, WU Gallery of Art, Kristall Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Sept. 20-Nov. 3.

“Soft Paintings,” recent works by Hylarie McMahon, WU assoc. prof. of art. Opening reception, 3 p.m. Sun., Sept. 21. Bixby Gallery, Bixby Hall. 10 a.m. to 12 a.m. and 1 p.m. to 4 p.m., weekdays; 1-5 p.m., weekends. Through Oct. 10.

Sports

SATURDAY, SEPTEMBER 20
1 p.m. Soccer, WU vs. Western Illinois University. Francis Field.

3:45 p.m. Women’s Tennis, WU vs. St. Louis University. WU Tennis Courts.

5:30 p.m. Women’s Volleyball, WU vs. Culver Stockton. Women’s Bldg. Gym.

1 p.m. Soccer, WU vs. Western Illinois University. Francis Field.

THURSDAY, SEPTEMBER 25
3:30 p.m. Women’s Tennis, WU vs. Quincy College. WU Tennis Courts.

THURSDAY, SEPTEMBER 25


4 p.m. Department of Physics Colloquium, “Cosmic Ray Abundances from the Experiment of the HEAO-3 Satellite,” Joseph Klarmann, WU prof. of physics. 201 Crow.

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