$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.

“We don’t know how much water there is in the layers, how much ammonia there is, or what the methane concentrations are. We are just carpeting the solar system to learn as much as we can,” 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 to us,” Smith said. Meanwhile, he will use the same laser to study the gaseous atmosphere of Jupiter, Saturn, and Neptune, and Uranus.

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 alumus 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 Edu-
cational Services (SES), has
been named its director. He
succeeds Gwendolyn Stephe-
son, who resigned this month
to accept a position as Dean
of Student Services at Forest
Park Community College.
Stephenson also was co-
ordinator of Student Ser-
vices, but that position will
not be filled. Ashford, as-
soiate director of SES since
1977, has worked with SES
and its forerunners since 1970.

In announcing the appoint-
ment, Chancellor William H.
Danforth said, “Ashford is an
able administrator and skilled
counselor. Under his leader-
ship, I am confident that SES
will continue to serve well the
needs of our students, while
working cooperatively with
faculty members, depart-
ments 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 inter-
vies? A prolific poet who
nonetheless reads the labels of
views? A prolific poet who
habitually roommates to someone whose
habits were delightfully ec-
tic at first, but now seem
weird, even pathological?

Special Educational Ser-
vices, Career Planning and
Placement and the Student
Counseling Service, are offer-
ing workshops this semester
to help students understand
and solve academic and social
problems and plan for the
years after graduation.

For students expecting to
enter the job market soon,
there are workshops on assert-
tive skills for job seekers;
careers for the 80s; oppor-
tunities in business, educa-
tion and the helping profes-
sions; job interviewing skills;
and resume writing.

Academic topics include
choosing a major, GMAT and
GRE preparation, dealing
with academic pressure, prob-
lem solving, study skills, rapid
reading and memory im-
provement.

Workshops to help social
relationships include one for
roommates, another on learn-
ing how to reach out to others
and a third on old myths and
new realities of sexuality.

Most workshops last for
two hours and many will be
repeated several times this
semester. Registration pro-
cedures vary depending upon
the sponsor, but a booklet
describing all workshops is
available at Special Educa-
tional Services, room 219
Umrath Hall, Ext. 5970.
Other services in Umrath are:
Career Planning and Place-
ment, room 302, Ext. 5930;
and Student Counseling Ser-
vice, room 216, Ext. 5980.

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 Ap-
pointed Young Faculty in
Chemistry. Holten is one of
ten scientists awarded such
a grant by the Dreyfus Founda-
tion Inc. to individuals who
have accepted new faculty
appointments this year.

Isidore Silver, Rosa May
Distinguished University Pro-
fessor Emeritus in the
Humanities, recently was
named an honorary member
of the Societe des Textes Fran-
ais Modernes. One of the
Society’s most distinguished
publications is the 20-volume
critical edition of the Oeuvres
competes de Pierre de Ron-
sard by the late Paul Lau-
monier. Volumes of the pub-
lication 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 Lebegue,
professor emeritus of the Sor-
bonne.

Dov Kadmond, MD, resi-
dent 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 re-
searchers and teachers.

Michael J. Welch, profes-
sor of radiation chemistry at
the Mallinckrodt Institute of
Radiology and professor of
chemistry at WU, has re-
ceived the Society of Nuclear
Medicine’s AEbersold Award.
He was honored for his con-
tributions in radiopharma-
cueutical chemistry, clinical re-
search, and teaching.

Festival—continued from p. 1

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 ad-
ministrators. 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 stu-
dents come new perspectives about ABS.”

Fitness Program Offered
To WU Faculty, Staff

The WU Department of
Sports and Recreation will
sponsor a physical fitness pro-
gram for men and women
and staff this fall. Ses-
sions 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 wish-
ing pre- and post-fitness
evaluations to determine
cardiovascular improvement
and body composition mea-
urements. For more in-
formation and application
forms, contact Rand Rosen-
thal at Ext. 5220.
**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 assst. prof. of microbiology and immunology. 322 Rebstock.

8:30 p.m. School of Architecture Lecture, Ulrich Franzen. Steinberg Auditorium.

**WEDNESDAY, SEPTEMBER 24**


4 p.m. Department of Physics Colloquium, “Cosmic Ray Abundancies 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**

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

**WEDNESDAY, SEPTEMBER 24**

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

**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.

**MONDAY, SEPTEMBER 22**

4:45 p.m. School of Architecture Lecture, Ulrich Franzen. Steinberg Auditorium.

**TUESDAY, SEPTEMBER 22**

7:30 p.m. Soccer, WU vs. Western Illinois University. Francis Field.

**WEDNESDAY, SEPTEMBER 24**

3:45 p.m. Women’s Tennis, WU vs. Southwestern at Memphis. WU Tennis Courts.

**THURSDAY, SEPTEMBER 25**

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

**“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.**

**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 Malinckrodt 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.

**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 SEP 21.**

**EXHIBITIONS**

**VINTAGE ILLINOIS SCULPTURES.” UPPER GALLERY, WU GALLERY OF ART, STEINBERG HALL. 10 A.M.-5 P.M., WEEKDAYS; 1-5 P.M., WEEKENDS. THROUGH OCT 10.**

**“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.**

**“GREAT 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.” UP американскіе GALLERY, WU GALLERY OF ART, STEINBERG HALL. 10 A.M.-5 P.M., WEEKDAYS; 1-5 P.M., WEEKENDS. SEPT 20-NOV 3.**

**“SOFT PAINTINGS,” RECENT WORKS BY HYLAIRIE McMATHON, 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.**

**“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.**

**“GREAT 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.” UPPE**