French artist Hubert Robert (1733-1808) had brown ink with brown and grey wash to create "The Ruined Bridge," one of 60 works in the "Master Drawings from the Nelson-Atkins Museum of Art" exhibition that will run from Sept. 22-Dec. 5 in the Gallery of Art in Steinberg Hall. The exhibition comprises the largest group of drawings and watercolors ever lent by the Kansas City museum on a single occasion.

**The masters**

European drawings from Kansas City collection make exhibition debut here

An important, yet unsung, collection of European drawings and watercolors will have its first comprehensive exhibition at Washington University. The exhibit, featuring 60 of the finest drawings from the collection of the Nelson-Atkins Museum in Kansas City, Mo., will include works by Rembrandt, Degas, Boucher, Durer, Gainsborough and others. The drawings date from the 14th through the 20th centuries.

The exhibition, titled "Master Drawings from the Nelson-Atkins Museum of Art," will run in the Gallery of Art in Steinberg Hall from Sept. 22-Dec. 3. Never before published or shown as a group outside of Kansas City, the collection has long been recognized by experts for its quality, though it is not well known to the general public.

Gurus for the exhibition are Roger B. Ward, Ph.D., curator of European Art at the Nelson-Atkins Museum of Art, and Mark S. Well, Ph.D., professor of art history at Washington University.

These lectures will be given in conjunction with the exhibit. Ward will speak on the history of the drawings on exhibit in an opening lecture at 8 p.m. Sept. 22, at the Gallery of Art. A reception will follow.

At noon on Oct. 11, Well will give a talk in the gallery about the exhibit. A third lecture will be given at 5 p.m. Nov. 1 by William E. Wallace, Ph.D., assistant professor of art and archaeology at the University and an expert on Michelangelo. The talk, titled "Michelangelo: Master Draftsman," will be given in Steinberg Hall auditorium.

All lectures are free and open to the public.

Knowing that the Nelson-Atkins Museum had an extensive drawings collection, Well initially hoped to use some of its drawings for a connoisseurship class he teaches at Washington. In the course of his research, he became so impressed with the quality and size of the museum's collection that he suggested mounting an exhibition at the university comprising a selection of some of the finest drawings from the Nelson-Atkins — an exhibition that would be instructive and inspirational, not only to his students but to the general public as well.

By gathering a large number of drawings into one exhibit, viewers will be able to see for themselves the wide range of styles and media that are included in the art form known as "drawing."

The display will present a wide range of artistic media and styles that were carefully selected to illustrate the development of technique and style in European drawings.

Among the questions the speakers will explore are: Should values be taught in the law school? Will you need to meet your objective of achieving local control of the law? What if you didn't give enough dose to the tumor? You did not meet your objective of achieving local control of the tumor? Missed the tumor, then you must be careful to scrutinize the accuracy of the screen. Radiation therapy is always a balance between complications and cure. Wong continues. "You want to pump as much dose in the tumor as possible, while not going over the tolerance limit of the normal tissue. With this device, you reduce the chance of geometric misses, because you can see what you're doing when you treat."

The "geometric misses" to which Wong refers occur for a variety of reasons. "Improving the survival of the patient while minimizing deleterious effects to the surrounding normal tissues," says Perez, who is director of the Radiation Oncology Center at Washington University.

The new imaging device allows physicians to combine the best of all the existing devices as they are being made, yielding faster, yet critical, adjustments as needed. By gathering a large number of drawings from a matrix of 65,000 proprietary plastic optical fibers, the device is welded together and covered by a fluorescent screen that is placed under the patient. When the x-ray beam interacts with the screen, the glow shows. So far, so good. But the key part is in getting the image from underneath the patient to the eyes of the radiotherapist. Since there is only a very limited space under the patient, a very compact device was needed to carry the image to video cameras and computer workstations. Enter the special optical fibers, which were developed by University astrophysicists for cosmic ray research.
University's United Way campaign is under way

This winter most people will wear heavy coats to keep warm. Others will brave the cold in a T-shirt. Some will spend the day in their homes, others will spend the day roaming the streets, looking for food.

This afternoon most kids will run around in their backyards. Others will watch from a window. Tonight most kids will get a goodnight kiss before bed. Others will get a beating.

But Washington University employees can make a difference in the lives of thousands of those "other" people in the St. Louis area by contributing to the annual United Way fund-raising campaign, which began Sept. 15.

Money raised in this year's campaign will provide support to 135 St. Louis area health and human service organizations, including the University's Campus Y and Central Institute for the Deaf. Those organizations provide assistance to one out of every three people in the community — feeding the hungry, finding homes for the homeless, helping those who are fighting disease and disability, furnishing employment training, preventing child abuse and neglect, offering family counseling, fighting drug and alcohol abuse and providing a wide range of other services and programs for the disadvantaged.

Washington University has a particularly close relationship with the United Way campaign this year. Clarence G. Barkdale, newly appointed vice chair of the University's Board of Trustees, is also chair of the United Way board. In addition, Richard J. Mahoney, a University trustee, is the United Way's 1989 general campaign chair.

The 1989 goal for the United Way of Greater St. Louis campaign is $46,750,000. "This is the highest goal we've ever set," Barkdale said. "It represents an increase of 7 percent over the gifts and pledges we received last year." The 1988 campaign raised $43,071,000, or 10 percent in the $290,698 raised last year. "The United Way provides tremendous advantage to the St. Louis area, and it is appropriate that we here at Washington University participate actively in this effort," said Franklin, who is manager of accounts payable. "Our support is needed to help meet everyday challenges, provide for the future and to enhance the general well-being of this community.

Some 250 employees from both campuses are serving as solicitors for the campaign, which ends Oct. 31, and will be distributing pledge cards throughout the University. Pledge cards are requested to be returned by Oct. 24.

Nine new health and human service agencies have been admitted for program funding in 1990: Emergency Childres' Home (ECHO), which provides emergency residential care for AIDS-infected children; Good Samaritan Center for the Homeless, which provides transitional and follow-up services for homeless individuals and families; Joint Neighborhood Ministry, a Cherokee neighborhood self-help group that provides daycare, food and GED courses; Lincoln County Council on Aging, which offers a wide variety of health, nutritional and other services for senior and disabled residents of Lincoln County; Literacy Council of St. Louis, which provides classes in reading and writing for adults, Parapled, which offers services to assist disabled people in living independently; St. Louis Crisis Nursery, which provides emergency short-term residential care for children; St. Louis Easter Seal Society for Crippled Children and Adults, with services for the disabled ranging from an early learning center to a post-potential adult support group; and Volunteers of Illinois, which provides counseling for victims of sexual abuse and rape, foster placement and adoption assistance.

In addition, the United Way has identified three priority areas for additional attention and financial support through 1990: counseling and support services for food and housing assistance; services for abused persons; and support services for the mentally disabled and prevention.

All gift information is confidential. Contributions to the United Way are tax deductible and may be designated as payroll deductions beginning January 1990.

Douglas Hippler, former head women's soccer coach at Missouri Baptist College and current coach at Parkway Central High School in St. Louis, has been named the United Way campaign's general campaign chair. He is also chair of the United Way board. In addition, the United Way has identified three priority areas for additional attention and financial support through 1990: counseling and support services for food and housing assistance; services for abused persons; and support services for the mentally disabled and prevention.

Additionally, the members of the team amassed a cumulative grade point average of 3.5 on a 4.0 scale.

In addition to his new coaching duties at Washington University, Hippler will continue to serve as a teacher and coach in the Parkway School District.

The United Way of Greater St. Louis will receive an estimated $50,000 in contributions from Washington University employees. The University has a long history of giving to the United Way.

The 1989 goal for the United Way of Greater St. Louis campaign is $46,750,000. "This is the highest goal we've ever set," Barkdale said. "It represents an increase of 7 percent over the gifts and pledges we received last year." The 1988 campaign raised $43,071,000, or 10 percent in the $290,698 raised last year. "The United Way provides tremendous advantage to the St. Louis area, and it is appropriate that we here at Washington University participate actively in this effort," said Franklin, who is manager of accounts payable. "Our support is needed to help meet everyday challenges, provide for the future and to enhance the general well-being of this community.

Some 250 employees from both campuses are serving as solicitors for the campaign, which ends Oct. 31, and will be distributing pledge cards throughout the University. Pledge cards are requested to be returned by Oct. 24.

Nine new health and human service agencies have been admitted for program funding in 1990: Emergency Childres' Home (ECHO), which provides emergency residential care for AIDS-infected children; Good Samaritan Center for the Homeless, which provides transitional and follow-up services for homeless individuals and families; Joint Neighborhood Ministry, a Cherokee neighborhood self-help group that provides daycare, food and GED courses; Lincoln County Council on Aging, which offers a wide variety of health, nutritional and other services for senior and disabled residents of Lincoln County; Literacy Council of St. Louis, which provides classes in reading and writing for adults, Parapled, which offers services to assist disabled people in living independently; St. Louis Crisis Nursery, which provides emergency short-term residential care for children; St. Louis Easter Seal Society for Crippled Children and Adults, with services for the disabled ranging from an early learning center to a post-potential adult support group; and Volunteers of Illinois, which provides counseling for victims of sexual abuse and rape, foster placement and adoption assistance.

In addition, the United Way has identified three priority areas for additional attention and financial support through 1990: counseling and support services for food and housing assistance; services for abused persons; and support services for the mentally disabled and prevention.

All gift information is confidential. Contributions to the United Way are tax deductible and may be designated as payroll deductions beginning January 1990.

Opening event

South African theatre troupe returns to Edison

The Market Theatre of South Africa will return to Edison Theatre for the opening event of the 1990 "OVA- TIONS" series.

The company, in collaboration with the Vissieyers Players of Cape Town, will present "You Strike the Rock," a musical about the life of Mahatma Gandhi. The title is taken from a 1956 song protesting the inclusion of women in the strict South African pass laws that severely restricted movement of black South Africans.

Mampopo, the wife of a migrant laborer; Mambhile, a street-wise cynic; and Sindila, a wife of a political activist — all struggling to support their families — join together to paint a picture of the harsh, yet sometimes humorous realities of life under apartheid.

The play has been described by the Toronto Sun as "a sophisticated and "taunting". During their presentation of "BOPHA!" at Edison last year the Market Theatre played to a packed house and standing ovations.

Tickets are $16; $12 for senior citizens and Washington University faculty and staff; and $8 for students. For more information, call 699-6543.

New women's soccer coach is named; program elevated to varsity status

Douglas Hippler, former head women's soccer coach at Missouri Baptist College and current coach at Parkway Central High School in St. Louis, has been named the United Way campaign's general campaign chair. He is also chair of the United Way board. In addition, the United Way has identified three priority areas for additional attention and financial support through 1990: counseling and support services for food and housing assistance; services for abused persons; and support services for the mentally disabled and prevention.

All gift information is confidential. Contributions to the United Way are tax deductible and may be designated as payroll deductions beginning January 1990.

Fullbright application deadline is near

The 1990-91 competition for grants for graduate study abroad offered under the Fullbright Program and by foreign governments, universities and private donors will close soon. The campus deadline for filing application for any of the 700 awards to more than 100 countries is Friday, Sept. 29.

Most of the grants offered provide round-trip air transportation, tuition and maintenance for one academic year; a few provide international travel only, or a stipend intended as a partial grant-in-aid.

Applicants must be U.S. citizens at the time of application, and must generally hold a bachelor's degree or its equivalent before the beginning date of the grant, and, in most cases, should be proficient in the language of the host country. Except for certain specific awards, candidates may not hold a doctorate at the time of application.

Creative and performing artists are not required to have a bachelor's degree. Foreign governments' criteria for professional study or equivalent experience vary. Some programs require full proficiency, some may require an M.D. or equivalent at time of application. For more information, contact Sara Epstein, Fullbright program adviser, at 889-6355. Epstein's office is in 210 S. Brodkings.
The marriage of cosmic ray research and medical treatment was "absolutely serendipitous," says Wong. "We were delighted when we found that the physicists have been working to refine and improve the fibers, creating instruments capable of extremely precise measurements and characterizations of particles."

H. Phillip Venable, M.D., assistant professor of clinical ophthalmology, was recently honored at the Missouri State Medical Association's annual meeting with the 50-year outstanding service to the medical community. Outgoing President T.J. Cooper presented Venable with a gold key for his many significant contributions, which included authoring the "Good Samaritan Law" that was written into the Missouri Code in 1962.

Have you done something noteworthy?

Have you presented a paper? Were invited to speak at a conference? Did you receive an award? Have you written a book? Or made a significant contribution to your profession or a professional organization? Let us know! Write to: Payroll Office, Washington University, Box 1184, Washington University, Box 8017, Washington University, 1 Brookings Dr., St. Louis, MO 63130-1184.

Cancer treatment

The marriage of cosmic ray research and medical treatment was "absolutely serendipitous," says Wong. "We were delighted when we found that the physicists have been working to refine and improve the fibers, creating instruments capable of extremely precise measurements and characterizations of particles."

H. Phillip Venable, M.D., assistant professor of clinical ophthalmology, was recently honored at the Missouri State Medical Association's annual meeting with the 50-year outstanding service to the medical community. Outgoing President T.J. Cooper presented Venable with a gold key for his many significant contributions, which included authoring the "Good Samaritan Law" that was written into the Missouri Code in 1962.

Have you done something noteworthy?

Have you presented a paper? Were invited to speak at a conference? Did you receive an award? Have you written a book? Or made a significant contribution to your profession or a professional organization? Let us know! Write to: Payroll Office, Washington University, Box 1184, Washington University, Box 8017, Washington University, 1 Brookings Dr., St. Louis, MO 63130-1184.
**CALENDAR**

September 14

**LECTURES**

- Noon. Dept. of African Studies Full Seminar, "Arts of Resistance: From Despoliation Embryos: A Role in Embryonic Genotoxicity". Miller, and prof., WU Dept. of Biology, 806 McDowell Hall. (Also Thurs., at 4 p.m., same as Thurs.)


- 4 p.m. Assembly Series Presents a "Convo-

     cation for Peace: An Israeli-Palestinian Dialogue," with Benjamin Ben-Israel, chief of Israeli military intelligence, and Emile Shlissel, Palestinian political scientist. Graham Chapel. Discussion at 5:15 p.m. Women's Bldg., Co-sponsored by Jewish Student Union, Islam,

     American Jewish Committee, St. Louis Jewish Fed., and Jewish and Near Eastern Studies.


- Noon. Dept. of Genetics Fall Seminar, "Role in Embryonic Organization," Catherine Sheehan, Pulitzer Prize-winning author, and Solomon, curriculum consultant for the Missouri Dept. of Education. Audience discussion will follow. Sponsored by WU School of Law, the Historical Council of American Jewish Congress and OIR other participating organizations. Mail-Law Hall. Reservations are re-

     quired; no tickets issued. For more overhead, call 993-2300.

**Tuesday, Sept. 19**


- 4:15 p.m. Dept. of Philosophy Colloquium, "Dreaming the Other: Demida and the Declaration of Independence," Claude Evans, prof., philosophy dept., 204 City Hall. For more info., call 726-4276.

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Sunday, Sept. 17

- 1-4 p.m. Twelfth Annual Constitutional Conference, "A Constitutional Democracy: Religion and Rights in the Public Schools," featuring Richard H. Fallon, Harvard Law School, in the Jewish W. Saul Memorial Lecture. Other participants include David T. Kuo, WU prof. of history; Daniel P. Larson, WU prof. of political science; and Warren Steven, curriculum consultant for the Missouri Dept. of Education. Audience discussion will follow. Sponsored by WU School of Law, the Missouri chapter of American Jewish Congress and OIR other participating organizations. Mail-Law Hall. Reservations are re-

     quired; no tickets issued. For more overhead, call 993-2300.

**Wednesday, Sept. 20**

- 11 a.m.-1 p.m. Dept. of Philosophy Colloquium, "Virgil: How Could This War Have Happened?" Neil Mechan, Purdue prof. of philosophy, 204 City Hall. For more info., call 993-2300.

- 1:45 p.m. Dept. of Physics Colloquium, "Fortune-


- 4 p.m. Dept. of Chemistry Seminar, "Cooper Dioxide Chemistry," Jeffrey S. Thompson, Guth Research Development, L. J. Dupont de Nemours, 511 Millikan.

- 4 p.m. Western European Studies Studies Program Lecture, "On Race and Gods in Turn of the Century Europe: The Jewish Image of Rome for Opp.,"小康社会, the co-operation of

     Emil, Cornell U. Hurst Lounge, second floor, Duncker Hall.

**Thursday, Sept. 21**

- Noon. Dept. of Genetics Full Seminar, "Mo-

     nist. The Art of 19th Century: The Jewish Image of Rome for Opp.,"小康社会, the co-operation of

     Emil, Cornell U. Hurst Lounge, second floor, Duncker Hall.

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Noon. Dept. of Germanic Studies Seminar, "A three-week watercolor class for

     beginners. The class, which will cost $45.

- 4:30 p.m. WU Flute Choir Open Auditions. For more info., call 889-5951.

**Saturday, Sept. 16**


**Friday, Sept. 22**

- 1:30 p.m. Football. WU vs. Rose-Hulman College. Francis Field. For more info., call 889-6524.

- 7 p.m. Volleyball. WU vs. Fort Hays Field House. Field House. (Also Sat., Sept. 23, same time, and Sun., Sept. 24, at 9:30 p.m., Brown.) On Pit, and Stan. Both tickets are for young people, $3 and $8 for students. For more information, call 889-6543.

**Monday, Sept. 18**

- 11 a.m.-1 p.m. Campus Y People Organized for Community Action Volunteer Recruitment.

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Noon. Dept. of Germanic Studies Seminar, "A three-week watercolor class for

     beginners. The class, which will cost $45.

- 4:30 p.m. WU Flute Choir Open Auditions. For more info., call 889-5951.

**Saturday, Sept. 16**


**Friday, Sept. 22**

- 1:30 p.m. Football. WU vs. Rose-Hulman College. Francis Field. For more info., call 889-6524.

- 7 p.m. Volleyball. WU vs. Fort Hays Field House. Field House. (Also Sat., Sept. 23, same time, and Sun., Sept. 24, at 9:30 p.m., Brown.) On Pit, and Stan. Both tickets are for young people, $3 and $8 for students. For more information, call 889-6543.

**Saturday, Sept. 16**

- Noon. Dept. of Religion and Theology presents "Singing Along With Yehoshafat Harkabi, former deputy and University Prof. of Public Affairs at WU. Gorodetsky Lounge. For more info., call 889-6606.

**Thursday, Sept. 21**

- 2:30 p.m. George Warren Brown School of Social Work full seminar, "Disagreement over Race and Gender." The 11-session workshop on watercolor portraits from 9 a.m.-

     4:30 p.m. Saturday, Sept. 23. The class will cost $45.

- "Gouache for Beginners," a three-

     day workshop, will be held Sept. 23, 24, and 25 from 9 a.m.-

     4 p.m.-4 p.m. Advanced students are also encouraged to enroll in this course, which is taught by Betty Schick-Golden, a nationally exhibited artist known for her gouache still lifes. The workshop costs $128.

**Saturday, Sept. 16**

- Noon. Dept. of Religion and Theology presents "Singing Along With Yehoshafat Harkabi, former deputy and University Prof. of Public Affairs at WU. Gorodetsky Lounge. For more info., call 889-6606.

- "Gouache for Beginners," a three-

     day workshop, will be held Sept. 23, 24, and 25 from 9 a.m.-

     4 p.m.-4 p.m. Advanced students are also encouraged to enroll in this course, which is taught by Betty Schick-Golden, a nationally exhibited artist known for her gouache still lifes. The workshop costs $128.

**Wednesday, Sept. 20**

- 7 and 9:30 p.m. Filmboard Series. "Married a Shadow. Co-sponsored by Performing Arts Department and Department of Romance Languages and Literatures. 83. Brown Hall. (Also Thurs., at 4 p.m. same time, Brown.)

- 7 and 9:30 p.m. Filmboard Series. "Trading 4 p.m. Assembly Series Presents a "Convo-

     cation for Peace: An Israeli-Palestinian Dialogue," with Benjamin Ben-Israel, chief of Israeli military intelligence, and Emile Shlissel, Palestinian political scientist. Graham Chapel. Discussion at 5:15 p.m. Women's Bldg., Co-sponsored by Jewish Student Union, Islam,

     American Jewish Committee, St. Louis Jewish Fed., and Jewish and Near Eastern Studies.

**Thursday, Sept. 21**

- 11 a.m.-1 p.m. Campus Y People Organized for Community Action Volunteer Recruitment.

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Noon. Dept. of History Colloquium, "German, Cornell U. Hurst Lounge, Duncker

- Noon. Dept. of Germanic Studies Seminar, "A three-week watercolor class for

     beginners. The class, which will cost $45.

- 4:30 p.m. WU Flute Choir Open Auditions. For more info., call 889-5951.

**Saturday, Sept. 16**

- Noon. Dept. of Religion and Theology presents "Singing Along With Yehoshafat Harkabi, former deputy and University Prof. of Public Affairs at WU. Gorodetsky Lounge. For more info., call 889-6606.

- "Gouache for Beginners," a three-

     day workshop, will be held Sept. 23, 24, and 25 from 9 a.m.-

     4 p.m.-4 p.m. Advanced students are also encouraged to enroll in this course, which is taught by Betty Schick-Golden, a nationally exhibited artist known for her gouache still lifes. The workshop costs $128.

**Wednesday, Sept. 20**

- 7 and 9:30 p.m. Filmboard Series. "Married a Shadow. Co-sponsored by Performing Arts Department and Department of Romance Languages and Literatures. 83. Brown Hall. (Also Thurs., at 4 p.m. same time, Brown.)

- 7 and 9:30 p.m. Filmboard Series. "Trading