Lopata Hall Unifies Campus
As Engineering Facilities Expand

The WU School of Engineering and Applied Science is completing its first new building since 1970 with the construction of Lopata Hall, named in honor of Stanley and Lucy Lopata.

The construction of Lopata Hall is part of a $6 million expansion program of the WU School of Engineering and Applied Science.

The Facilities Improvement Plan has four components which include major renovation of two older engineering buildings, Urbauer and Cupples II, acquisition of new scientific equipment, and the new 37,000 gross-square-foot building.

WU alumnus and trustee William K. Y. Tao is serving as national chairman for a fund-raising campaign which has already received gifts and pledges totaling nearly two-thirds of the $6 million goal. Tao is president of William Tao & Associates Inc., Consulting Engineers.

The principal gift for the Facilities Improvement Plan came from Mr. and Mrs. Lopata. Lopata, a St. Louis business and civic leader, is a 1935 graduate of WU. He has served as chairman of the University's Alumni Board of Governors and recently was elected to WU's Board of Trustees. He founded the Carboline Co. in St. Louis, now a subsidiary of the Sun Oil Co., and currently is chairman of the board. He has made significant contributions in the areas of business, industry and chemical engineering.

James M. McKelvey, dean of the School of Engineering and Applied Science, said that the Lopata gift was a vital contribution to the School's facilities expansion program. "Without the farsighted generosity of friends like Stanley and Lucy Lopata, private universities would be unable to meet the demands of a growing technological system which needs more and more competently trained engineers and scientists," he said.

Mrs. Henry L. Freund, daughter of the late Mrs. Samuel B. Edison, and Seth Carlin, WU assistant professor of music, were present soon after the delivery to Edison Theatre of a new concert grand piano, gift of the Harry Edison Foundation. Carlin will play the instrument at a memorial concert to Mrs. Edison, Edison Theatre's benefactor, on Sept. 14.

New Grand Piano To Debut
At Edison Memorial Concert

A few weeks ago, Seth Carlin, pianist and WU assistant professor of music, slipped over to Edison Theatre and sat down at the darkly gleaming new Steinway concert grand piano that had just been uncrated. Striking chords which rang sonorously through the hall, Carlin, with a widening smile, pronounced the piano's tone "Beautiful. It's an outstanding instrument."

Carlin had reason to feel happy that the handsome new piano had arrived unscathed from the Steinway & Sons showroom in Astoria, N.Y. On Sunday, Sept. 14 at 8 p.m., the instrument will make its official concert debut in a recital by Carlin in Edison Theatre. The occasion is a memorial concert honoring the late Mrs. Samuel B. Edison, who gave the theatre to the University in honor of her husband and son, the late Samuel B. and Charles B. Edison. Sadie G. Edison, as she was known to many, died on Jan. 4, 1979. Carlin will perform works by Mozart, Schubert and Chopin during the concert, which also opens the 1980-81 "Music at Edison" series.

The piano, which is expected to make the University's musical events vastly more attractive to visiting artists, is a gift from the Harry Edison Foundation. Mrs. Henry L. Freund, the late Mrs. Edison's daughter, played a key role in its acquisition.

In the past, the theatre had only rental pianos to offer its guest artists. The entire city, in fact, yielded but one concert grand instrument for hire. Its frequent moving about St. Louis had been known to unsettle both piano and pianists. Edison Theatre staffers shudder when they recall the September 1979 concert appearance of Charles Rosen, who kept a piano technician at work from early afternoon until 20 minutes after the 8 p.m. curtain time, as the crowd milled in the lobby.
"Liberty" With Secret Past To Be Restored

She arrived at WU's Center for Archaeometry a little like a refugee herself—her surface dulled and pitted, several points of her crown broken, and in the folds of her skirt, the half-concealed remains of a mud-dauber's nest. An electric light bulb socket gleamed with impropriety from her upraised hand.

But the four-foot-tall model of the Statue of Liberty retained her dignity, gazing sternly into the distance.

"Liberty," as the Center's staff calls her, is one of two original casts made in 1875 by Frederic Auguste Bartholdi. The casts were registered and deposited at the U.S. Patent Office eight years before the French sculptor assembled the colossal pieces of the famous statue which has welcomed thousands of immigrants to the New York City harbor.

According to Phoebe P. Weil, WU conservator and research associate, one of the casts later was removed from the Patent Office and sold to the New York Chemical Bank in 1921. But the history of the second cast remains mysterious. Lost for a long period, the piece recently turned up at an Ohio farm auction. After documentation by the National Gallery of Art in Washington, D.C., it was shipped to WU for renovation.

Weil believes the miniature statue is made of zinc, plated with bronze, and covered with a dark brown patina. An inscription on the base (AVOIRON Paris) probably refers to a foundry in Paris. She hopes to learn more about the statue as the treatment progresses.

A third small-scale exemplar of the Statue of Liberty is on display in the Museum of Immigration on Liberty Island, NY. This model was made after the large statue was assembled.

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Though the audience was largely unaware of the tense prelude to the successful recital, one concertgoer, Mrs. Freund, resolved that the University should have its own concert instrument.

"I hope that the piano creates a happier, more relaxed situation at the theatre," she said, "and musicians who are better satisfied."

The piano was selected by William M. Schatzkamer, WU professor of music, who went to the Steinway factory showroom on Long Island on June 12, the selection date assigned by Steinway to the University a year ago. Accompanying Schatzkamer was Nadia Reisenberg, a teacher at New York's Juilliard School of Music, whom he invited to assist in the arduous selection process. Working independently and making frequent annotations, they repeatedly tried the six available pianos. After conferring, they discovered they preferred the same two instruments. They quickly narrowed the choice to one.

At the beginning of the memorial concert, a large gold-framed portrait of Mrs. Edison, commissioned for the theatre by Mrs. Freund and her late husband, and painted by Florida artist Marilyn Bendell, will be unveiled. The portrait, lifelike and full of warmth, will hang inside the theatre, facing the ever-changing pageantry of the stage which Sadye Edison created.

Surprise Finding by WU Scientists Shows Ozone Inhibits Cancer Cells

Scientists at the WU School of Medicine have announced that ozone, a form of oxygen that is a common air pollutant, selectively inhibits the growth of human cancer cells. They say the finding could have future applications in cancer therapy.

According to Frederick C. Sweet, research associate professor in the Department of Obstetrics and Gynecology, who initiated the experiment, a variety of cancer cells, continuously exposed to small amounts of ozone in the air, showed much slower growth than normal cells under the same conditions. He said it was too early to tell from these results whether ozone eventually would have human therapeutic applications. If the gas does prove to be valuable in treating cancer, it may be used in combination with more conventional therapies, he added.

The researchers' next step is to expose mice with lung cancer to air containing ozone. This type of cancer can be easily treated with ozone through the normal breathing process, Sweet said. He stressed that further testing is crucial before the potentially toxic gas can be used for humans.

While Sweet's colleagues find the project interesting, he said that they point out that ozone's effectiveness in treating cancer may depend on how well it penetrates layers of cells.

"Its effects may not go very deeply, and that could limit its usefulness," he explained. "That's what we'll have to find out. Our work shows another weakness in the defense mechanisms of cancer cells which we may be able to utilize."

Elevated levels of ozone in the air irritate the eyes, nose and respiratory system. The gas is generated when electrical sparks or ultraviolet light react with oxygen. At ground level, clean air usually contains much less than one tenth part per million (ppm) of ozone. However, photochemical smog, a result of the chemical action of electromagnetic waves, can contain as much as 0.5 to 0.6 ppm of the gas.

The news of Sweet's discovery was reported by the Associated Press and United Press International news agencies and printed in newspapers around the country.

Volkmann Appointed Head of Public Relations

M. Fredric Volkmann has been appointed director of public relations at WU.

Volkmann was director of university relations at Ohio State University in Columbus since 1975. Previously he served seven years as director of information services at Albion College, Mich. Before his work at Albion College, Volkmann was the informational services director at Iowa Wesleyan College in Mount Pleasant, Iowa.

Before entering higher education public relations, Volkman worked for the Minneapolis Star and Tribune and the Mount Pleasant News.

In his new position, Volkmann will direct the University's public relations office with its four divisions: the offices of information, publications, photo services and project development.

An active member of the Council for Advancement and Support of Education (CASE), Volkmann currently serves as a trustee on the CASE national board. He has received numerous CASE competition awards for public relations, publication and periodical programs under his direction.

Volkmann earned a BA in English from Iowa Wesleyan College.
An architectural rendering of Lopata Hall.

Lopata—continued from page 1

The St. Louis architectural firm of Smith and Entzereth, in association with Constantine E. Michaelides, dean of the WU School of Architecture, was commissioned to design the new building.

The design prepared by the architects provides for a handsome building which will be a major addition to the WU campus and which, with its red granite exterior, will harmonize with other campus buildings.

The new building will be connected directly with three existing buildings, unifying the engineering campus significantly. With the construction of an additional bridge between Bryan Hall and Cupples II, all engineering buildings will be joined, providing, among other benefits, convenient access for the physically handicapped.

The School has 72 full-time faculty members, 1000 undergraduate students, 300 graduate students and an annual level of outside funding for research of more than $5 million.

Faculty Notes

Daiburu Chandrasekhara Rao has been appointed head of the Division of Biostatistics in the Department of Preventive Medicine and Public Health at the School of Medicine. Before joining the WU faculty, he was associate professor of Public Health and Genetics in the Population Genetics Laboratory, University of Hawaii in Honolulu.

Victor H. Farwell, coordinator of the Minority Service Center at Sangamon State University, Springfield, Ill., has been appointed an assistant dean of the WU College of Arts and Sciences. He succeeds Ronald L. Jackson, who joined the staff of Sen. John Danforth (R-Mo.).

Robert H. Salisbury, professor of political science, was elected a vice-president of the American Political Science Association at its national meeting in early September in Washington, D.C.

The American Otological Society Inc., presented its Award of Merit to Ben H. Senturia, MD, clinical professor emeritus in the School of Medicine's Department of Otolaryngology. Senturia is also editor of the Annals of Otolaryngology, Rhinology and Laryngology.

Peter G. Tuteur, MD, associate professor of medicine at the School of Medicine, was named "Young Internist of the Year" by the American Society of Internal Medicine.

Henderson Predicts Strong Defense By 1980 Battling Bears Team

Ken Henderson, who will debut as head football coach of the WU Battling Bears on Sept. 20, describes his team as aggressive and young, built around a nucleus of juniors and sophomores, which he predicts will be especially strong defensively. The 1980 season opener will be against Southeastern College in Francis Field.

"Last year we ranked 10th in the nation on defense for the NCAA Division III," he explained, "and despite the loss of outstanding defensive end Mike Holzknecht, who graduated last spring, our defense will keep us in the ballgame."

Offensively, the Bears will be a little green at the start of the season, Henderson said. A number of players tried out for offensive spots during pre-season practice.

Filling defensive posts this season are sophomore James Sinclair, middle linebacker; senior Ted Schwab, strong safety; junior Dean Pichee, free safety; and sophomores Bernard Knox and junior Steve Dyer, cornerbacks.

The Bears go into the season with depth at the quarterback position, where sophomores Dick Ward and John Goldak and freshman Tim Huggins will work.

Henderson is confident the team will demonstrate strong pass-receiving ability. Junior Dave Bolton, the Bears’ leading pass receiver last year, will return at flanker back. Glen Robbins, whom Henderson hoped would contribute significantly as a receiver, is out for the season with a knee injury, and has been replaced by senior Tim Meyer. The tight end position is filled by senior Clark Brauner.

Other offensive players on the roster are: senior Scott McGrew, center; freshman Joe Oliva, right guard; sophomore Joel Tichota, right tackle; sophomore Tom Marchok, left tackle; and sophomore David Branch, running back. A number of players are being considered for the left guard position.

The Bears will meet five opponents in Francis Field: Southeastern College at Memphis (7:30 p.m., Sept. 20); Northeastern Illinois University (7 p.m., Sept. 27); William Jewell College, homecoming (7 p.m., Oct. 4); Wabash College (1:00 p.m., Oct. 11); and Colorado College (1:00 p.m., Nov. 8). Out-of-town games will be played at Wheaton College, Oct. 18: Principia College, Oct. 25; DePauw University, Nov. 1; and Rose-Hulman Institute, Nov. 15.

Season passes for families of up to four members are $20 for faculty or staff, $25 for the public. Individual passes are $10 for faculty, staff and the public. WU students are admitted free with an ID card, while other students pay a $1.25 admission charge. General admission tickets are $2.50 a person. There is no reserve seating at Francis Field.
Calendar
September 12-18
FRIDAY, SEPT. 12
2 p.m. Department of Chemistry Seminar, "Aerosol Composition in Non-Urban North China," Wang Ming-xing, Institute of Atmospheric Physics, Beijing, China. Cosponsored by the Department of Mechanical Engineering and the WU Center for Air Pollution Impact and Trend Analysis. 311 McMillan.

8 p.m. Black Arts and Sciences Festival Film and Discussion, "Adam Clayton Powell" and "The Black Church in Politics from Nat Turner to Ben Chavis." Leading the discussion will be Rev. Kwasi Thornell, DeWitt Kilgore and Kahusi Pheta. Gargoyle Coffeehouse, Mallinckrodt Center.

MONDAY, SEPT. 15
4 p.m. Department of Biology Seminar, "Regulation of Differentiation During the Caulobacter Cell Cycle," Lucille Shapiro, Dept. of Molecular Biology, Albert Einstein College of Medicine. Restock 322.

TUESDAY, SEPT. 16
7:30 p.m. Department of Germanic Languages and Literatures Lecture, "Goethe’s Erotic Poem, The Diary, and Its Impact on Rainer Maria Rilke," Siegfried Unseld, publisher, Surkamp Verlag publishing house, Frankfurt, W. Ger., and 1980 WU honorary degree recipient. Hurst Lounge, 201 Duncker.

James D. Burke
8:15 p.m. Department of Art and Archaeology Lecture, "The Tradition of the Painter-Engraver," James D. Burke, director, St. Louis Art Museum. Steinberg Hall Auditorium.

WEDNESDAY, SEPT. 17

THURSDAY, SEPT. 18

Music
SUNDAY, SEPT. 14
8 p.m. Music at Edison Series Concert, Seth Carlin, pianist and WU assistant professor of music, in a memorial concert honoring the late Mrs. Samuel B. Edison. The program consists of Mozart’s Sonata in B flat major, Schubert’s Sonata in G major and Chopin’s four Ballades, Op. 23, 38, 47 and 52. 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.

Films
FRIDAY, SEPT. 12
8 p.m. WU Filmboard Series, "The Godfather, Part I." Brown. $1.75. (Also Sat., Sept. 13, same time, Brown.)
8 p.m. Classic American Cinema Film Series, "Bringing Up Baby" and "The Lady Eve." Restock Auditorium. Admission $2.
12 midnight. WU Filmboard Series, "Sisters." Brown. $1. (Also Sat., Sept. 13, same time, Brown.)

SATURDAY, SEPT. 13
8 p.m. Classic American Cinema Film Series, "Flirtation Walk" and "The Merry Widow." Restock Auditorium. $2.

MONDAY, SEPT. 15
7:30 p.m. WU Filmboard Series, "Lolita." Brown. $1.75. (Also Tues., Sept. 16, same time, Brown.)

WEDNESDAY, SEPT. 17
7:30 and 9:15 p.m., WU Filmboard Series, "Love on the Run." Brown. $1.75. (Also Thurs., Sept. 18, same times, Brown.)

Sports
WEDNESDAY, SEPT. 17
7 p.m. Soccer, WU vs. Central Methodist. Francis Field.

Performing Arts
FRIDAY, SEPT. 12
8 p.m. Great Soloists in Dance Concert, featuring Ze’eva Cohen, Margalit, and Clay Talliaferro. 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. (Also Sat., Sept. 13, 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." 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.

Art Students Exhibit At Maryville College
"Castelli After Six," an avant-garde exhibition by six second-year graduate students in WU’s School of Fine Arts, is on display through Sept. 29 at the Louis D. Beaumont Gallery at Maryville College, 13350 Conway Road. Exhibitors include Roy Howard, Mark Miller, Garrison Roots, Millicent Schainker, Madeleine Soloway, and Philip Harris. Exhibit hours are 9 a.m.-5 p.m., Monday-Friday.

Mrs. Danforth to Host Woman’s Club Coffee
Mrs. William H. Danforth, wife of the Chancellor, will welcome new members to the year’s first meeting of the Woman’s Club of WU at a “kick-off” coffee at 10 a.m. Wednesday, Sept. 17, at the University House, 6420 Forsyth. Marilyn Pryor, director of development for professional and career programs in the WU School of Continuing Education, will also speak about continuing education opportunities for WU women and their families. Babysitting can be provided by calling Elsie Backers at 727-1063; transportation can be arranged by calling Emily Brandhorst at 965-7269. Composed of spouses of faculty and administrative staff, the Woman’s Club of WU is a social organization offering numerous cultural and intellectual activities.

Applications Due Oct. 10 For Indian Study Grants
The American Institute of Indian Studies has announced a variety of research and travel fellowships for the 1981-82 academic year. Applications are welcome by Oct. 10 from graduate students and faculty in the social and natural sciences and the humanities. For further information, call Milena Tanaka in International Studies, Ext. 5958.

Cancer Grants Available To Young Researchers
Grant applications are now being accepted by the WU Committee on Cancer Research for research proposed for the present year. A limited number of awards can be made for amounts up to $5,000 for basic or applied research related to cancer. The awards, which are funded by the American Cancer Society, are especially intended for junior faculty members or research fellows who have no funds with which to carry out pilot studies. For further information, write: Elmer B. Brown, M.D., Office of Continuing Medical Education, Box 8063, WU School of Medicine, or call 454-3372.