

## TOURS

Note: All tours will depart at the times listed. Please do not count on your tour guide waiting for you if you are late!

### Thursday, October 15

The Local Arrangements Committee has organized three pre-conference tours on Thursday afternoon. All will leave via Anderson Travel Coach from the Hilton Hotel at the times designated for each tour. All will include a box lunch that will be distributed when boarding the buses. Tour sizes are limited by the institutions that each group will be visiting and the time constraints of a half-day tour.

- Fallingwater

Little needs to be said about this tour except that its sole focus is Fallingwater, one of the greatest statements ever made by the American architect Frank Lloyd Wright. This instantly famous highland retreat from the Smoky City was designed and built in the mid-1930s for Edgar Kaufmann, Sr., founder of Pittsburgh's prominent department store, Kaufmann's (now Macy's). Edgar Kaufmann, Jr., who studied briefly with Wright, deeded the house to the Western Pennsylvania Conservancy in 1963 and it has been open for public tours since then.

*Tour Specifics:* 12 noon-5:30 pm. Cost is \$50 including a box lunch. This tour is limited to 42 guests—no exceptions. The Conservancy organizes the tour in small groups of 14 persons per group. Our larger SHOT tour group will thus go through the house in three separate groups with the first group slated to depart the Visitors Center at 3 pm and the other two groups at 10-minute intervals. The Visitors Center includes an extensive gift shop and bookstore and a nice café which provide a convenient way to occupy guests while waiting for their tour. SHOT's tour host will be Sarah Johnson, a visiting professor of design at Carnegie Mellon.

### *Links*

Official website of Fallingwater (you need a fast connection):

<http://www.fallingwater.org/>

Wikipedia article (with good links to the house's major structural repairs of 2002):

<http://en.wikipedia.org/wiki/Fallingwater>

Snapshots of a 2004 tour to the site and house:

<http://bolender.com/Frank%20Lloyd%20Wright/Fallingwater/June%2030%202004%20visit%20to%20Fallingwater/June%2030%202004%20visit%20to%20Fallingwater.htm>

YouTube animation of Fallingwater construction set to music:

<http://www.youtube.com/watch?v=9CVKU3ErrGM>

- Monongahela Valley Iron and Steel Industry

The Mon Valley is a testament to the grand scale and scope of Pittsburgh's industrial and technological history. Site of many of the Pittsburgh District's steel and coke works, the valley also housed notable glass works, machine-building factories, and an array of workers' housing and energy and transportation networks. Turtle Creek feeds into the Mon directly adjacent to Andrew Carnegie's famous Edgar Thomson Works. Here, in Turtle Creek Valley, George Westinghouse built his airbrake, electric, and foundry empire. This comprehensive tour will include visits to major sites along the Mon, including the former Homestead Steel Works and associated structures, the first Carnegie Library built in the United States in Braddock, PA and a rare visit to US Steel's Edgar Thomson Works, the first—and now last—integrated steel mill in the Pittsburgh District, which once had 11 fully integrated mills. At ET, we will see the basic oxygen process and the continuous caster in operation. We also plan to visit the Carrie Furnace, the sole remnant of US Steel's massive Rankin blast furnace site, closed in 1982. (NB: The site is the focus of Allegheny County's newest re-development initiative. Since part of the property will be under construction, we might not be given access to the Carrie Furnace.) If time permits, we will drive through the lower end of Turtle Creek Valley and view the magnificent concrete-arched George Westinghouse Bridge that spans the valley. Our tour will highlight the region's devastation and renewal, including a stop by Pittsburgh's Nine Mile Run, the nation's largest urban stream restoration project. Joel Tarr, a historian of the urban environment and technology, will narrate and show slides during the driving part of the tour. Current and former employees will narrate the walking tours in the steel plant(s). This tour is being run in cooperation with the Rivers of Steel Heritage Area.

*Tour Specifics:* 12:30-5:30 pm. Cost is \$42 including a box lunch. This tour is limited to 40 persons (no exceptions!) To be fully registered for the tour, you must mail a clear photocopy of your US driver's license or your passport to David Hounshell, PH208, CMU, Pittsburgh, PA 15213. If you prefer, you can make a .pdf copy of your ID and email it to David at [Hounshell@cmu.edu](mailto:Hounshell@cmu.edu). David must receive your **ID no later than October 1, 2009**. (We are required to provide this information to the General Manager of the Edgar Thomson Works in advance of our tour. You should also bring an additional photocopy of your ID in case something has gone awry with the one you mailed.)

In addition, to tour the steel works, you must observe US Steel's safety measures that you must consider before boarding the bus:

- (a) you must wear hard, leather-soled, closed toe shoes (no sandals, sneakers, etc.)
- (b) you must wear long pants (no dresses, skirts, or shorts allowed)
- (c) loose-fitting shirts, blouses, sweaters, etc. must be tucked in at the waist around moving machinery. Neckties must be removed or tucked into your shirt between the second and third buttons
- (d) hair which extends below the neck must be tied up
- (e) all forms of jewelry are prohibited except wristwatches, post earrings which do not extend below the earlobe, medical alert bracelets, and necklaces worn under or inside

shirts or blouses; all rings must be removed, and if they cannot be removed, they must be taped over to minimize the catch point of the edge of the ring  
(f) no cameras are allowed in the plant so they must be left on the bus.

Before entering the operating areas, you will be required to don a hard hat, safety glasses, ear plugs, and flame-resistant coveralls which will be supplied by US Steel. Those guests who are unwilling to observe these safety measures will have to wait at the Main Gate while the others tour the plant.

### *Links*

Rivers of Steel: <http://www.riversofsteel.com/>

Rise and Fall of the Mon Valley (newspaper article):

[http://www.pittsburghlive.com/x/pittsburghtrib/news/rss/s\\_526478.html](http://www.pittsburghlive.com/x/pittsburghtrib/news/rss/s_526478.html)

- Pittsburgh's East End Cultural Amenities: Vestiges of the Pittsburgh's Coal, Iron, and Steel Barons

Pittsburgh's coal, iron, and steel barons were among the first wave of occupants who settled what is today called the East End. Here they built houses away from the smokiest parts of the city as well as institutions that continue to make Pittsburgh one of the most vital cities in America. The East End was a focus for many 1960's-era "urban renewal" projects, many of which are now seen as failures. The East End is currently undergoing a new wave of revitalization as part of the "new urbanism" paradigm. Our tour will take us through these corridors of revitalization and by and into institutions that bear the unmistakable stamp of Andrew Mellon, Andrew Carnegie, Henry Clay Frick, and their contemporaries. Carnegie Mellon University; the University of Pittsburgh; Chatham University; the Carnegie Museums, Concert Hall, and Library; and a variety of synagogues, churches, and parks stand as landmarks of the East End. We will be touring the Frick Art and Historical Center (home of Andrew Carnegie's one-time partner and then betrayed rival, Henry Clay Frick) and the Phipps Conservatory (a gift to the City from Henry Phipps, Andrew Carnegie's boyhood friend and business partner) which will feature the blockbuster exhibit of Hans Godo Fräbel, an internationally famous artist known for glass creations. Frick's home, Clayton, stands but a short distance from the sites where Andrew Carnegie, H.J. Heinz, George Westinghouse, and Andrew Mellon once lived. The Phipps Conservatory, adjacent to Schenley Park, is near the former site of Forbes Field, one of the landmarks in baseball history. Only a section of Forbes Field's center field wall and home plate remain for Pirates fans to see. If time permits, we will make a brief stop at the Carnegie Museums in Oakland to examine its stunning stairway murals devoted to Pittsburgh industries. This tour will be led by SHOT member, David Hounshell, who has lived longer in the East End than anywhere else in his itinerant life.

*Tour Specifics:* 1:30-5:30 pm. Cost is \$55 including a box lunch and admission to Clayton and the Phipps. This tour is limited to 40 persons (no exceptions!)

### *Links*

Frick Art and Historical Center, including Clayton: <http://www.frickart.org/index.php>

Phipps Conservatory's on-line tour: <http://phipps.conservatory.org/phipps-online-tour.aspx>

Frick Park: <http://www.pittsburghparks.org/frick>

Schenley Park: <http://www.pittsburghparks.org/schenley>

Carnegie Institute: <http://www.carnegiemuseums.org/>

<http://www.clpgh.org/locations/main/>

### Friday, October 16

- Early-bird Pittsburgh Strip District Food Tour

The Strip District is a one-half square mile area northeast of downtown Pittsburgh. "The Strip," as it is familiarly known, is just that -- a narrow strip of land in a flood plain confined by natural boundaries: the Allegheny River to the north and the extension of Grant's Hill to the south. Many of Pittsburgh's most significant technological, industrial, and manufacturing innovations came out of the Strip, from Andrew Carnegie's Union Mills and Lucy Furnace to George Westinghouse's famed airbrake for railroad cars, Charles Martin Hall's perfection of the electrolytic reduction process for aluminum, and Charles Schoen's development of the all-steel box car. The Strip was a beehive of industrial activity in the 19<sup>th</sup> century but it evolved into a food and entertainment centered business district—anchored by the Pennsylvania Railroad's Produce Terminal—devoted to the provisioning, warehousing, and wholesaling (and in some cases processing) of food where glass factories, machine shops, and furnace works had once been located.

Over the course of the 20<sup>th</sup> century, the number of wholesale produce dealers gradually declined. Roughly two dozen were still using the Produce Terminal in the 1970s and since then many of those have either gone out of business or entered the retail business by establishing stores on Penn Avenue and Small Street. These dealers now provide important anchors to a lively retail produce, ethnic food, restaurant, coffee shop, and food emporium business area. Food and drink now further define the Strip with high-end restaurants, nightclubs, and one-of-a-kind shops.

SHOT has arranged an early morning "food tour" of the Strip in which you will see food wholesalers and retailers in action and have a chance to sample their goods, from large-scale "boutique" coffee-roasting and fish-mongering to macaroni wholesaling and Enrico's famous biscotti-making. Silvia McCoy, founder of 'Burgh Bits and Bites Food Tours, and SHOT's Local Arrangements team have cooked up a tour that you will not want to miss! It concludes with a hearty breakfast at Pamela's Diner which is consistently voted "the best breakfast venue in Pittsburgh." Barack and Michelle Obama ate at Pamela's during last fall's campaign, and last May the White House chefs called Pamela's, asking proprietors Pam Cohen and Gail Klingensmith for their famous pancake recipe.

*Tour Specifics:* 6:30-9 am. Cost is \$37 which includes transportation, cost of all food and drink samples, breakfast, and the knowledge of the Strip's food history dispensed by Silvia McCoy. Note: We'll have you back to the Hilton no later than 9 am but we cannot guarantee that you will be back in time for the beginning of the first paper sessions of the day (i.e., 8:30 am).

#### *Links*

Neighbors in the Strip: <http://www.neighborsinthestrip.com/thestrip/thestrip.html>  
Information on a sweet, sentimental movie that is centered in the Strip and on true Pittsburghers:  
<http://www.whoknewproductions.com/>

- Walking Tour of Pittsburgh Old Financial District

Want to stretch your legs instead of sitting through that early afternoon session? If so, consider joining us for a 1½-hour walking tour of Pittsburgh's 19<sup>th</sup> and early 20<sup>th</sup> century financial district. Pittsburgh once had the fourth largest stock exchange in the US and the financial empire forged by Andrew Mellon consisted of a network of banks, brokerage houses, corporate headquarters, and financial offices. Some of these structures remain and continue to make the downtown area an interesting place to work. This tour will be led by a representative of Pittsburgh History and Landmarks Foundation.

*Tour Specifics:* 2:00-3:30 pm. Cost is \$10 payable at the time of the tour. The tour will leave from the lobby of the Hilton Hotel.

- Three Rivers Late-Night Cruise and Dessert Buffet

Want to unwind after a day of scholarly papers while still expanding your knowledge of Pittsburgh's history and geography and maybe your waistline? Then this nighttime cruise on Pittsburgh's three rivers is for you! The outing, aboard the Gateway Clipper Fleet's newest riverboat, includes a dessert and coffee buffet and a cash bar for those who want to get a good start on the SHOT Hospitality Suite. It begins late enough so that you and your colleagues can have that quiet Friday-night dinner you want, absorb even more of the Pittsburgh experience, and still make it to the Hospitality Suite. The boat will board from a loading dock a very short walk from the Hilton.

*Tour Specifics:* 9-11 pm. Cost is \$32.50 which includes a variety of desserts and coffee and tea. Cash bar available.

#### Saturday, October 17

- Walking Tour of Pittsburgh's Downtown Bridges

How can you visit the "City of Bridges" and not learn something about those bridges? We have arranged a 1½ hour walking tour that will take you back to the days when John Roebling built his first bridge structures and carry you forward to the post-World War II era when old bridges were torn down and new ones put up in a shockingly short period of

time. Led by a representative of Pittsburgh History and Landmarks Foundation, this tour will stretch both your legs and your mind.

*Tour Specifics:* 10.30-noon. Cost is \$10 payable at the time of the tour. The tour will leave from the lobby of the Hilton Hotel.

### Sunday, October 18

- Engineering Pittsburgh: A Promethean Walking Tour of the Renaissance City  
Through Pittsburgh's long history, its geography—three rivers and very hilly terrain—has presented engineers with many rare and difficult challenges. This is nowhere more true than in the city's downtown where the Monongahela and Allegheny give birth to the Ohio and where generations of engineers have shaped the land. The historian's lens unveils layers of making and unmaking throughout downtown Pittsburgh, from the earliest European settlement—Fort Duquesne—to the constructions of the post-World War II Pittsburgh Renaissance, including the controversial destruction and rebuilding of the city's lower Hill District. This walking tour, open to all, will include many of the city's downtown highlights, including its bridges, historically significant buildings, the Engineers' Society of Western Pennsylvania, the Golden Triangle, and the soon-to-be-demolished Mellon Arena, site of the original lower Hill District. Co-led by a civil engineer and a historian, this walking tour will focus on how engineering of all kinds has contributed to the city's appearance and unique character.

*Tour Specifics:* 8.30-10 am. No cost. This walking tour is free and open to the public. Leaves from the Hilton Lobby, 8:30 am sharp, Sunday, October 18. You should wear comfortable walking shoes. This tour is sponsored by the Prometheans, a SHOT Special Interest Group concerned with improving ties between historians of technology and engineers -- in engineering education, professional activities, and publications.