



The Macrogram

Hartford Chapter of the ASM International
Build on our Strengths - Leverage our Diversity - Network to Succeed

MONTHLY MEETING – TOPIC

October 13, 2009

Spouses and guests Welcomed

Topic: American Clock & Watch Museum Tour
and talk on *Brass in the Clock Industry*

Speaker: Museum Curator

The American Clock & Watch Museum
100 Maple Street - Bristol, CT 06010
www.clockandwatchmuseum.org

Directions: - From I-84 eastbound, take Exit 31 (Rt 229). Go North 5.5 miles. Turn Left onto Woodland Street at Clock Museum sign, then one mile to the museum.



From I-84 westbound, take Exit 38 (Rt. 6) Go West 9 miles to Bristol Commons Shopping Plaza. Turn Left at light after railroad track onto Maple Street, then two blocks to museum.

Dinner and Talk at - The Stonewall Restaurant - 354 Colt Highway (CT Rt. 6), Farmington, CT 06032 - (860) 674-9789

Directions: - I 84 Exit 37, Turn left onto Fienemann Rd. Go 0.4-0.6 miles to Colt Highway (CT Rt. 6), turn right and go 312 feet.

Agenda:

Tour: 4:00 PM
Cocktails: 5:30-6:30 PM
Dinner: 6:30-7:30 PM
Program: 7:30-8:30 PM

Program Charges:

Regular Members - \$28.00
Retirees - \$15.00
Full Time Students - \$15.00

Technical Chairperson: Harley Graime

Reservations: Call Linda at Service Steel Aerospace (860) 583-3336 by noon October 9th. **Thanks!**

American Clock & Watch Museum Tour – 4 PM

Reservations Required by noon on October 9th*

Step back in time with a visit to the American Clock & Watch Museum, Inc. Located in America's great clockmaking city, Bristol, Connecticut, the museum and its research library are housed in the 1801 home of Miles Lewis, the historic Ebenezer Barnes wing and the modern Edward Ingraham wing. As you travel through the unique gallery spaces, you will discover the finest American clocks and watches on display. The ticking, striking and chiming of the timepieces will be a treat to your eyes and ears. One of many visitors' favorite

displays is our two-story tower clock that provides a close-up look at what makes a clock "tick". Recognized as the first museum in America to be devoted to horology, the American Clock & Watch Museum, Inc. houses the finest collection of American manufactured clocks on display. (*ASM Hartford will pay for the tour for those placing reservations by noon on October 9th. Those wanting to tour and who reply late will pay the \$5 Admission charge.)

Abstract:

Brass in the Clock Industry At the beginning of the 19th century almost everything was made by hand and almost nothing was made by machine. By the end of the 19th century most items were made by machine and practically nothing was made by



hand. The American clock industry played an important role in that transformation often called "The Industrial Revolution." At the end of the 18th century clocks and watches were made in America and in Europe one at a time by the local clockmaker. The time consuming process of molding parts from brass, filing them and fitting them together made these timekeepers expensive. Eli Terry a master clockmaker from Terryville, CT experimented with the production of wooden clock movements and in 1807 he received a contract to produce 4,000 clock movements in 3 years. Using local water power to run his machinery, local carpenters, Silas Hoadley and Seth Thomas, to produce the parts, and the concept of interchangeable parts, he completed the contract on time. His movements were the first complicated mechanical mechanisms with truly interchangeable parts. This presentation, *Brass in the Clock Industry*, traces this transformation