Chairman’s Message
The Pittsburgh AWS Section is proud to present a full line up of plant tours and technical presentations for its members for the 2015 – 2016 year. The calendar on our web page http://www.awssection.org/pittsburgh/ lists our current schedule.

I hope that you will find one of the meetings we have scheduled of interest and plan to attend. If you have any ideas for our chapter or suggestions for a future meeting or plant tour please contact any of our Board members.

Thank you,

George Kirk - Chairman, Pittsburgh AWS
Kkirk510@comcast.net

Barsom Lecture In Honor of Dr. William D’orville Doty
Saturday, October 17, 2015
Title: Performance of Welded Joints

Speaker: John Barsom

Dr. John M. Barsom is president of Barsom Consulting, Ltd., Pittsburgh, PA, a forensic engineering company. He is a Fellow of the American Welding Society (AWS), the American Society of Metals (ASM International), the American Society of Mechanical Engineers (ASME), and the American Society for Testing and Materials (ASTM International). Dr. Barsom is a member of several AISC committees including the Committee on Specifications and is the recipient of the AISC Lifetime Achievement Award and the most prestigious AISC technical award, the T. R. Higgins Lectureship Award.

Dr. Barsom is the recipient of the Edgar C. Bain Award in metallurgy from the Pittsburgh Chapter of ASM International and of the Fracture Mechanics Medal from ASTM Committee E08 on Fracture and Fatigue. He received the medal for having
exerted a profound and positive effect on the development of the scientific development of fracture mechanics and “in recognition of his outstanding contribution to application of fracture mechanics and its usefulness to the practicing engineer.”

Most of Dr. Barsom’s distinguished career was spent at U.S. Steel in Pittsburgh, where he was named Research Fellow and Director of the Material Technology Division. He is a specialist in properties and behavior of steels and weld metals, fracture mechanics, failure analysis of structures and equipment including metallographic and fractographic investigations, accident reconstruction, fitness-for-service and life extension of structures and equipment, failure assessment, and behavior of fabricated components under slow and rapid loading conditions.

Dr. Barsom was an adjunct professor in the Civil and Environmental Engineering Department at the University of Pittsburgh. Dr. Barsom received BS in Physics, an MS in Mathematics, and a Ph.D. in Mechanical Engineering from the University of Pittsburgh.

The lecture deals with the methodology to determine the performance of welded joints under cyclic and static loads. First, the methodologies to determine the performance of welded joints that conform to the requirements of AWS D1.1 and or D1.5 codes are presented. Subsequently, the lecture discusses some issues that arise when inspection and fabrication of the welded joint deviate from the applicable AWS requirements.

This lecture is presented to honor Dr. W.D. Doty for his life-long major contributions to welding technology.

Dr. Doty received his Bachelor of Metallurgical Engineering, Master of Metallurgical Engineering and Ph.D. (Metallurgy) degrees from Rensselaer Polytechnic Institute, where he also served as a Research Fellow. He subsequently joined the United States Steel Corporation and served in various research and supervisory positions at the company’s Technical Center.

Dr. Doty was widely known for his research in welding and steel product development. In addition to publishing numerous technical articles and papers, he co-authored the authoritative book *Weldability of Steels*.

As a National Board Advisory Committee member representing the welding industry, he served several terms: from 1979 to 1996, and from 1999 to 2005. In 2007, he was awarded the prestigious National Board Safety Medal. Dr. Doty was a Fellow of the American Society for Metals; a Fellow of the American Welding Society; a Fellow of the American Society of Mechanical Engineers, and recipient of ASME’s J. Hall Taylor Medal.

He was active in a variety of ASME groups including the ASME Code Subcommittee on Materials, Subgroup on Strength of Weldments, and Section VIII Subgroup on
Materials. Additionally, he served 20 years as a member of the ASME Boiler and Pressure Vessel Main Committee, and six years as Chairman of the Pressure Vessel Research Council (PVRC). Dr. Doty also served on the American Welding Society Committee on Welding Qualification, and the Committee on Filler Metal. He was past U.S. Coordinator of the Committee for International Standardization of Steels (ISO) and was a member of ASM International, AWS, AIME, ASME, the British Welding Institute, and Sigma XI. He was a registered Professional Engineer in the Commonwealth of Pennsylvania.

**Location:** Steamfitters Local 449 Hall  
1517 Woodruff Street  
Pittsburgh, PA. 15220

**Time:** 11:00 AM to 12:30 PM. Catered lunch will follow.

**Cost:** Members and Guests – Free

**RSVP:** by Monday October 12th please to either:

George Kirk - kkirk510@comcast.net or Ph.412-521-2657  
Tom White – 724-682-7552  
Pittsburgh Section - awwpittsburghsection@gmail.com

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[www.tuvris.com](http://www.tuvris.com)
Next Meeting – Tuesday November 17, 2015

**Title:** “Blacksmithing and Metal Art”

**Speaker:** John Steel

**Location:** Haufbrauhaus, South Side Works, 2705 S. Water St., Pittsburgh, PA 15203

**Time:** 6:00 PM

EDUCATION ALLIANCE

Membership with the American Welding Society also enables a 15% discount on tuition for members and their immediate families, as well as special assistance in the enrollment process at Pittsburgh Technology Institute (PTI). To take advantage of this grant, contact PTI at 1-800-784-9675 or www.pti.edu/education-alliance-members.