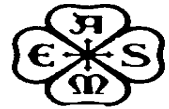


Oct./Nov. 2001

David Shapiro, Co-Editor

Dave Smith, Co-Editor

ASME Hudson-Mohawk Section



Newsletter

Private Tour & Lecture

Historic Burden Iron Works Museum

Lecture: Troy – The Silicon Valley of the 19th Century

Speaker: P. Thomas Carroll – Executive Director,
Hudson Mohawk Industrial Gateway

*Polk Street
South Troy, NY 12180*

Thursday, November 8, 2001

6:00 P.M.

November Event

Mechanical Engineering History

Since the invention of the wheel, mechanical innovation has critically influenced the development of civilization and industry as well as public welfare, safety and comfort. Through its History and Heritage program, ASME International encourages public understanding of mechanical engineering, fosters the preservation of this heritage, and helps engineers become more involved in all aspects of history. The November program is our section's contribution to exploring the History and Heritage of our area.

Lecture Topic

The Hudson-Mohawk region around Albany, Schenectady, and Troy was the Silicon Valley of the nineteenth century, and thus, in many ways it was North America's original model for how the entrepreneurial use of cutting-edge technology can foster regional economic prosperity. P. Thomas Carroll, Executive Director of the Hudson Mohawk Industrial Gateway will lecture on this topic, using exhibits at the Burden Iron Works Museum.

Hudson Mohawk Industrial Gateway

Founded in 1972 by area civic leaders, the Gateway is the only comprehensive industrial heritage institute for the Hudson-Mohawk region. Its primary function has been advocating historic preservation and adaptive

reuse of the industrial heritage of this area. It conducts tours, provides consulting on historic preservation issues and on regional history of technology in this area, and manages a regional technology museum. It is housed in the historic Burden Iron Works Museum in South Troy, just above the Menands Bridge.

Meeting Details

We will meet at the Burden Iron Works Museum at 6 PM on Thursday November 8th. The Museum is located in a large sandstone building at the foot of Polk Street in South Troy – approximately ½ mile north of the intersection of Routes 378 and 4.

For those interested in going out to dinner, we will meet at the Troy Brew Pub after the meeting.

Please RSVP before end-of-business Monday November 5th. Mr. Carroll has requested a final count so they can prepare the right number of handouts and provide enough light refreshments. Please specify whether you are planning on joining us at the Troy Brew Pub following the meeting. Contact David Smith (david.smith@ps.ge.com), Phone: 385-1234 or Paul Kehoe (paul.kehoe@ps.ge.com), Phone: 475-5174.

ASME International Hudson-Mohawk Section Officers

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Vice Chair: OPEN

Admin.Assoc.: Tom George (518) 395-4045

Treasurer: Mike Brilliant (518) 387-6558 brilliant@crd.ge.com

WEB SITE

As a reminder, you can check out the latest happening of the Hudson Mohawk section on our web site. Included is the copy of the newsletter. The URL is: www.asme.org/sections/hudson-mohawk

FIRST ROBOTICS TEAM

The Capitol District Robotics Team is now organizing for the upcoming 2002 competition. In previous years, the home base for the team was Shenendahowa H.S. This year, the home base for the team will be South Colonie H.S. located on Sand Creek Road. Last year's team won the Long Island Regionals and competed at the National Competition at EPCOT Center in Orlando, Florida.

The team is composed of High School students, engineers, and other professionals. The goal is to design and build from scratch, a robot that will meet the requirements of the competition game. The official start of the competition starts in January and is a six-week process to prepare the robot for the competition. The

team meets in the library of South Colonie H.S. on Thursday evenings from 7PM to 9PM. When the design and building begin, meetings may go late into the evening. But you can volunteer for whatever time you can spare.

The team is seeking volunteer professionals to help in this worthwhile endeavor. Meetings this Fall will be geared to presenting seminars to the kids to prepare them for the work ahead. The team is striving to have the students be more proactive in the team activities. You can find out more about FIRST by visiting www.usfirst.org and look for team 250. Or, you can contact Seena Drapala (seena.drapala@ps.ge.com) or David Shapiro (david.shapiro@ps.ge.com).

VAN DYCK SOCIAL STARTS YEAR

The Hudson Mohawk Section of the ASME kicked off the 2001-2002 program year with a combined social event and lecture at the Van Dyke restaurant in Schenectady on September 19th. Approximately two-dozen people attended the event. Following a social hour, Dr. Ronald Bunker, Vice-Chair – Gas Turbine Heat Transfer Committee (K14) talked about technical committees of ASME International. Next year, Dr. Bunker will be the chairman of the K14 committee.

In addition to talking about the specifics of the "K14" committee, Dr. Bunker discussed technical committees in general. Committee participants come from academic (largest group), industrial, and government (smallest group) institutions. The requirements for committee membership are membership in the ASME, nomination by a chair or vice-chair, and (most importantly) a desire to participate in the committee. Duties include the technical review of papers for

conferences and ASME journals and attending at least one meeting a year.

Dr. Bunker emphasized that all committee members are expected to participate with the technical review of papers. Papers are reviewed by three members (with one each from academic, industry, and government institutions), hence the reason why so many people are needed to review papers. Typically 70% of the papers submitted are of high enough quality to be presented at a conference. About 25% to 30% are deemed to be of "permanent interest" and go on to be published in an ASME journal. Papers are reviewed on their contribution to advancing knowledge of the subject and their technical correctness (e.g. methods used to take data, modeling assumptions, and interpretation used to arrive at conclusions).

There are many reasons to join a technical committee in the ASME. The most important incentive is the ability to network with other experts in the technical community. Additionally, members learn more depth and breadth about technology. Committee members are looked upon as "experts in the field" and have influence in the direction of research.

CHAIR'S MESSAGE

The September 11 events have affected all of us in large and small ways. It is my sincere hope that no Hudson Mohawk Section members or their families were directly impacted. Given our proximity to New York City, it is probably too much to ask that none of our friends, neighbors, co-workers, or acquaintances were affected.

Our Region III Interim Regional Conference, scheduled for September 29 in the Poconos was canceled. Our Section Meeting for October, a tour of the Vibration Laboratory of Benet Laboratories at the Watervliet Arsenal, is postponed indefinitely. This marks the first time in many years that the Section will have no event in October.

Recently, we received a message from David Belden, Executive Director of ASME, urging those of us who had planned to participate in the 2001 ASME Congress in November to carry through with their plans. This is an important show of support for the ASME, and the beleaguered economy of New York City. In honor of the victims of September 11, we should not live in fear. Life may never be the same after September 11, but all the more reason why we should live life to the fullest every day.

Our Monthly Section events will resume in November with a tour of the Industrial Gateway Museum in Troy. I hope to see you there. PG&E National Energy Group and any other company referenced herein that uses the PG&E name or logo are not the same company as Pacific Gas and Electric Company, the regulated California utility. Neither PG&E National Energy Group nor these other referenced companies are regulated by the California Public Utilities Commission. Customers of Pacific Gas and Electric Company do not have to buy products from these companies in order to continue to receive quality regulated services from the utility.

INTERNATIONAL CONGRESS

The International Mechanical Engineering Congress and Exposition will take place from November 11-16, 2001, in New York City. At this event, engineers will have the opportunity to exchange views, explore possible solutions, and discuss professional implications, while helping to revitalize the economy of New York City. Some of the topics covered at this year's Congress are:

- Industrial Applications in Aerospace Heat Transfer
- Gas Turbine Heat Transfer
- Open Forum on Fire and Combustion
- Thermal Injury and Treatment
- Panel on Pool Fire Measurement, Modeling and Simulation

For detailed information, please visit the ASME Congress web site (www.asme.org/congress).

By attending the ASME Congress, you will be contributing professionally and economically to recovery efforts in New York.

**THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
HUDSON-MOHAWK SECTION**
Paul Kehoe
278 Kenwood Avenue
Delmar, NY 12054

EDITOR'S MESSAGE

Due to the events of September 11, events planned for October were cancelled. This issue is a combined October/November Edition. We hope and pray that all directly affected and the nation recover fully. All are invited to send articles of interest for publication in a future issue of the newsletter.

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