Tough Traveler
Schenectady Manufacturing

Host: Nancy Gold, President

Date: Monday, November 17th

Time: 6:00PM social gathering, 6:30 dinner, 7:00pm tour. Kids and spouses welcome!

Place: Tough Traveler,
1012 State St., Schenectady, NY 12307

Directions:

Cost: $6 per person. Pizza, green salad, and fruit salad provided.

RSVP: Edward Cady, jayceerail@yahoo.com (preferred) or 518-496-9467 by noon Monday November 17th.

Where Does Troy’s Water Come From?
Tour of J.P. Buckley Water Plant

Society of Manufacturing Engineers - Joint Meeting of Rensselaer and HVCC Students Chapters and the Capital District Chapter 20*

LOCATION: J.P. Buckley Water Plant, 25 Water Plant Rd., Troy NY, 12182
DATE: Thursday November 6, 2014 - Starting at 5:30 p.m.

*RSVP by Tuesday 11/3 to James Nowak, SME Student Chapter S-141 President by e-mail at nowakj2@rpi.edu

The city of Troy, Department of Public Utilities serves water to over 50,000 residents of Troy, as well as the industrial and commercial customers within the city, through over 13,000 service connections. In addition, the city wholesales water to the city of Rensselaer, the Village of Menands, and portions of the Towns of East Greenbush, North Greenbush, Brunswick, Schaghticoke and Poestenkill. The Village of Waterford and Town of Halfmoon have a connection to the city water system that is being used during dredging operations. The total finished water produced at the water treatment plant in 2013 was 6,475.81 million gallons or an average of 17.74 million gallons a day. Of this, 1,374.8 million gallons were accounted for through metered sales within the city, with the remainder being used for the wholesale customers and the unaccounted for water. The unaccounted

For all those who’ve traveled via rail in Europe or elsewhere, the Tough Traveler company is a familiar and trusted name for many long-time Capital Region citizens. Tough Traveler designs and manufactures all its approx. 600 products in Upstate NY. We use 99+% made in the USA materials; we design prototypes and we have production runs. We sell to individuals worldwide, companies, agencies, charities, and entrepreneurs. Some of our products have been made for many years, and some are newbies, and then we watch to decide if we will continue them. Our productions depend on many things, including sales! We also do quite a bit of re-purposing, which is especially interesting! Machines that we use include a tubular aluminum bending computer-run machine welding, cutting hot knife, etc. We will also plan to show how one of our products is put together - showing the making of parts and then the final piece.

8% discount on Tough Traveler products will be offered to ASME tour participants.
for water is estimated to be about 29%. In 2013, water customers within the city of Troy were charged $3.432 per 1,000 gallons of water.

**Link to ASME-Hudson Mohawk full calendar of events:**
https://community.asme.org/hudson_mohawk_section/w/wiki/6958.calendar.aspx

---

**Letter from the Chair**

With respect to acknowledging U.S. "National Manufacturing Day 2014" and our 2nd Annual "Capitol ME & Energy Symposium" (Albany) programs, once again this year, I’m amazed at what mechanical engineers and their volunteer-friends as a group can accomplish in their spare time!

Since 1919, volunteers from ASME Hudson-Mohawk Section have been executing fascinating programs like our recent ones, humbling me and reminding those of us volunteering now that much-more recently formed "advanced manufacturing" and Internet companies of the 1990’s and new century like Google certainly did not invent the concept of "20% Time."

In the U.S. and upstate New York, it was engineers like Thomas Edison - a local ASME.org member himself working from Schenectady - who initiated the idea that engineers should have interesting side-projects to supplement the paid-work life their bosses were offering them.

As Section Chair, I’m very happy to report we came in well under-budget for our second Oct. 17th Symposium (we spent ~1/2 of our projected event funds), have a good chance of being profitable again this year, and this year met many of our original symposium goals, including having a sitting U.S. Congressman join us on a 1.5 hour panel discussion!!

We also were very fortunate this year to have ASME Student Section volunteer from Rensselaer Polytechnic’s ME undergraduate program, Ms. Daniela Posada, help our senior section volunteer team for several hours during the 2014 Symposium, including providing a critical perspective during our YouTube-recorded STEM panel discussion.

Our executive committee leadership -> OneASME "New-Speak" terminology: "Group Leaders" -> have decided to acknowledge and reward Daniela’s Symposium efforts for the Senior Section, by sponsoring Daniela for (2) days at November’s IMECE Event in Montreal.

Our next program - being worked on now by Chair-Elect Edward Cady of EdisonTechCenter.org - features a small but well-known and high-quality, Schenectady-based back-pack manufacturing company.

For myself, it was via sewing machines - like those used by Tough Traveler in Schenectady for their manufacturing - that my own interest in engineering was sparked in the first place.

My own father worked in downtown Troy for Singer Sewing Machine corporation in the late 60’s and 1970’s - a corporation interestingly also involved with the Apollo Program at the time - frequently taking me to work with him at his shop in the Frear Building in downtown Troy. My Dad employed several young RPI students at his shop, and their interaction with me I fondly remember.

So a fascinating program we indeed have planned for November!

Very respectfully,
Lawrence Kelley
Chairman - Hudson-Mohawk Section
The American Society of Mechanical Engineers
Phone (518) 812-1268, KelleyLB@ASME.org