A Metallurgical Summer Vacation

A Message from Eric McCarty, ASM Detroit Chapter Chair 2015/16

I often visit the Upper Peninsula of Michigan (U.P.) to spend my vacation time either on the shores of Lake Superior or Lake Michigan, depending on which has the fewest black flies. As you probably know the U.P. has a rich metallurgical heritage from copper and silver mines in the west to centrally located iron mines. The towns are even named after metals, Ironwood, Iron Mountain, Copper Harbor, Copper Falls, etc. and there are many ghost mining towns throughout the U.P.

Last year I visited the Seul Choix Lighthouse, which is located on the shores of Lake Michigan just south of Gulliver, Michigan (about 90 miles west of the Mackinaw Bridge). Inside the lighthouse they used copper for the decorative molding around several interior doors (Figure 1).

Across a small bay is an active limestone quarry (Figure 2) that is clearly visible from the lighthouse. When we visited the lighthouse museum I saw a 1940’s vintage picture of the quarry with Inland printed on the side of one of the buildings. I learned that the Inland Steel started the quarry in the 1920s to provide limestone to the Great Lakes steel industry. My oldest son joked, “Leave it to you to find something steel related in a lighthouse museum.”

A little further west along the Garden Peninsula is Fayette State Park (Figure 3), which has a well preserved 19th century village that once made pig iron, again for Great Lakes steel companies. Besides being very beautiful and relaxing, as Fayette is situated along Lake Michigan with picturesque limestone cliffs along the bay, the park is a historical gem that my kids enjoy visiting every year. In addition to the blast furnace, there are a number of buildings in various states of preservation, a hotel, machine shop, town hall, etc. In a told-you-so tone, I told my son, “See, metallurgy is interesting and fun!” He then quickly pointed out pictures along the wall of the machine shop that depicted 19th century industrial living conditions as a counterpoint.

Now to business: I am honored to serve as your ASM Detroit Chapter Chair for the 2015/2016 academic year. The Executive Committee (EC) and I are looking forward... continued on next page
to serving your interests in providing opportunities for professional development through networking, educational events and technical discussions. I thank Dr. Manish Mehta for his excellent leadership as the 2014/2015 Chair and the EC for a very successful year which accomplished the following:

1) The Chapter’s recommendation to recognize Park Metallurgical/Heatbath Corporation as ASM Historical Landmark was approved.

2) The Chapter provided diverse speakers and topics for the Chapter meetings, which were rotated among several forums around the metro-Detroit area to increase meeting availability to the ASM Detroit Chapter membership.

3) We also had a very successful Golf Outing with the American Foundry Society (AFS) and used the additional revenue to increase student scholarships.

4) We continued our educational and outreach efforts by providing judges to the 2015 Engineering Society of Detroit’s (ESD) Future Cities Competition, providing judges for the 2015 Science and Engineering Fair of Metropolitan Detroit and hosting a Professional/Student night in Ann Arbor.

5) We continued to refine our Chapter digital and e-mail communications with hyperlink enabled digital colored newsletters and printed and mailed postcards.

This year, the Detroit Chapter is blessed with continuing support from past Chapter Chairs, Dr. Manish Mehta, Dr. Susan Hartfield-Wunsch, Jason Coryell, and Thomas Kozina, the tireless support from our Chapter Administrator, Julie Nimer, and a great staff of EC officers and members. The EC has established several objectives for this academic year as follows:

1) Continue to deliver exceptional programming for Chapter meetings.

2) Support the ASM Materials Camp in July 13-17.

3) Co-host the joint AFS/ASM Golf Outing on August 8th.

4) Host a Professional/Student Night on September 24th.

5) Support the ASM Education Foundation in a Mini-Materials Camp during the 2015 Heat Treat Society Show on October, 21st – 22nd.

6) Provide judges for ESD’s 2016 Future Cities Competition and 2016 Science and Engineering Fair of Metropolitan Detroit.

The Detroit Chapter EC encourages you to leverage your membership in ASM International, the premier materials information society, by regular attendance at the ASM Detroit Chapter monthly programs and perhaps volunteering for Chapter related events. Please help the Chapter meet its objectives to promote the materials engineering and material science fields through education, research, networking and mentoring. The Detroit Chapter is always interested to hear from you and receive your suggestions as to how we can increase the value of your membership.

I encourage you to travel the U.P. this summer, enjoy the scenery and appreciate some metallurgical history and to join us on August 8th for the joint AFS/ASM golf outing where we will passionately chase golf balls across the rolling hills of Canton, Michigan.
Congratulations to Park Metallurgical/Heatbath Corporation who have been approved as an ASM Historical Landmark

I am pleased to inform you on behalf of the Board of Trustees of ASM International®, that your recommendation of Park Metallurgical/Heatbath Corporation has been approved as an ASM Historical Landmark. The citation reads:

“At the forefront of expanding the business and science of metal working, Park Chemical’s contributions to metallurgical advancements began here in Detroit, MI by visionary ASM Founder/President, William Park Woodside.”

The ASM Historical Landmark Designation was established in 1969, to identify permanently the many sites and events that have played a prominent part in the discovery, development and growth of materials.

Sincerely,
ASM International®

Terry F. Mosier
Associate Managing Director

Details of a special HLM event are being planned by the Chapter Leadership with Park Metallurgical/Heatbath Corporation and will be available by Fall.

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asminternational.org/web/detroit-chapter/home | 586)944-5666 | asmdetroitchapter@gmail.com
ASM-Detroit Chapter & Detroit Windsor AFS Chapter Joint Golf Outing

Fellows Creek Golf Course
2936 S. Lotz Rd.
Canton, MI
(734) 728-1300

Saturday August 8th
Cost: $100 per player
Registration 7:30 am
Shotgun start 8:00 am

This price includes:
• 18 HOLES
• GOLF CART
• COURSE CONTESTS
• PRIZES
• BEVERAGES
• LUNCH
• DINNER
• BASKET OF CHEER RAFFLE
• AND LOTS OF FUN!

For General Questions & Comments, please contact:
Mike Blazejewski
(313) 895-7215 x 166
mblazejewski@heatbath.com

ASM/Detroit Chapter & Detroit Windsor AFS Chapter Joint Golf Outing

The event is ASM-Detroit Chapter’s & Detroit Windsor AFS Chapter’s yearly fundraising project and is only made possible by our generous sponsors and golfers. This is a unique opportunity for local business owners and chapter members to promote their goods and services. It’s also a great place to network with others and have a great time.

ASM/AFS Chapters have a rich history in supporting the following: provide scholarships to university students; promotes career fairs, science fairs and ASM’s annual teacher’s camp; visits middle schools to encourage science and math careers.

**SIGN UP TODAY**

- $400 - FOURSOME ONLY
- $100 - SINGLE GOLFER

**PREMIUM SPONSORSHIP S**

- $500 – On Course Beverage Cart
- $500 – On Course Lunch
- $400 – Longest Drive Competition
- $400 – Closest to the Pin Competition
- $400 – Vegas Hole
- $250 – Hole Sponsorship

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MAIL TO:
Julie Nimer
ASM DETROIT CHAPTER
P.O. BOX 1398
WARREN, MI 48090-1398

SCAN/EMAIL TO: asm detroit chapter@gmail.com
MAKE CHECKS OUT TO: ASM - DETROIT
Please join us for a day on the greens!

**ASM/AFS Joint Golf Outing**

The Detroit Chapter of ASM International along with our friends at the Detroit-Windsor AFS Chapter invite you to join us for our 7th Annual Joint Golf Outing,

**Saturday, August 8th**

Registration - 7:30 am /Shotgun Start 8:00 am
Fellows Creek Golf Course in Canton

Cost: $100 per player. This Price Includes:

- 18 HOLES
- GOLF CART
- COURSE CONTESTS
- BEVERAGES
- LUNCH
- DINNER
- PRIZES
- BASKET OF CHEER RAFFLE

This outing is a great opportunity to have some fun on the links and help support the future of engineering here in Michigan. Proceeds from this event directly fund student scholarships and ASM Teacher’s Camp, so we encourage you to come out and bring a friend, client or colleague for a great day!

For golf reservations, or to become a sponsor, please fill out the attached form and return it by email to the ASM Detroit Chapter office at asmdetroitchapter@gmail.com. You may also mail a paper copy of the form to ASM Detroit Chapter, P.O. Box 1398, Warren, MI 48090-1398.

**Jump Into The Fall and Jump In Front Of Your Competition**

The Annual ASM Professional/Student Mixer Night is set for **6:00 PM** on **Thursday, September 24, 2015**, at Conor O’Neill’s in Ann Arbor. This is a great event where Chapter Members can meet the up and coming talent in Materials Science from local universities and colleges in a casual environment. It also provides an opportunity for professionals and students to discuss internships and co-ops for the following summer as well as full time jobs.

Mark the day! Plan on joining us for this is event so that the students can introduce themselves to potential employers and for professionals to advertise opportunities their companies have available. More details will be sent via email in late August.
ASM Mini-Materials Camp Volunteers Needed!

This coming October 21st and 22nd, during the 2015 ASM Heat Treat Society Conference and Exposition, our chapter will support the ASM Mini-Materials Camp. An annual event sponsored by the Heat Treat Society and the ASM Educational Foundation, the Mini-Camp introduces high school students to materials science through a series of interactive hands-on demonstrations. Each Mini-Camp consists of two sessions per day, with one session in the morning and another in the afternoon.

Our ASM Detroit Chapter is in need of volunteers to help in two areas: (1) To coordinate the flow of students during the sessions; and (2) For booth sponsors that can provide materials-related demonstrations such rapid prototyping, casting in a box, etc. Please contact Eric McCarty (2015/2016 ASM Detroit Chapter Chair) at eric.mccarty1@comcast.net to be a session chaperone or booth demonstrator.

This is an excellent opportunity to support ASM International and our Detroit Chapter by promoting material science. Help the younger generation discover material science as an option for their future.
2015-2016
Chapter Program
Dates & Locations

September 24, 2015
University Night at Conor O’Neill’s, Ann Arbor

October 12, 2015
Chapter Dinner Meeting, Livonia Marriott, Livonia

November 9, 2015
National Officers Night, The Gazebo, Warren

February 8, 2016
Membership Awards Night, Farina’s Banquet Center, Berkley

March 14, 2016
Sustaining Members Night, Lafayette Grande Banquet Facility, Pontiac

April 28, 2016
AFS/ASM Joint Meeting, Lightweight Metals Center, Detroit

May 9, 2016
Woodside Lecture, The Gazebo, Warren

Introducing the 2015-2016
ASM-Detroit Chapter Executive Committee

This season, we are excited to introduce two new committee chairs, Tim Stachowski as Entertainment Chair and Alex Preisser as Paper/Programs Co-Chair. Mike Blazejewski has also been voted in as our new Chapter Treasurer. Looking forward to a great season!

OFFICERS
Chairman: Eric McCarty
Vice-Chairman: J.P. Singh
Secretary: Kae Trojanowski
Treasurer: Mike Blazejewski

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Young Members/Student Affairs: James Boileau
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Entertainment: Tim Stachowski
Finance/Council of Fellows: Manish Mehta
Membership/Sustaining Members: Urban De Souza
Papers/Programs: Bradley Hall and Alex Preisser
UofM MMS Representative: Timothy Chan
ASM Teacher’s Camp: Kathy Hayrynen and Peg Jones
Chapter Council Representative & National Affairs: Jason Coryell
Chapter Administrator: Julie Nimer

The ASM Detroit Chapter was honored that many former Woodside Lecture Speakers attended the May 11, 2015 Woodside Lecture presented by Dr. Robert McCune. Standing from left to right, Dr. Robert McCune, Prof. John Allison, George Pfaffman, Dr. Ray Decker, Gary Witt, Prof. Ronald Gibala, and Dr. Steve LeBeau