March, 2016

This Issue:
2. Next Meeting: (Tuesday)  
March 15, 2016  
“Building the 9/11 Memorial Monument”

Speaker:  
Joe Moretti, Jr. Co-Owner  
Service Metal Fabricating

Meeting Location:  
Meson Madrid, Palisades Park, NJ  
www.mesonmadrid.com

3. Welcome New Members
4. Views from the 11/17 meeting

Chair’s Message

Greeting materials engineers and scientists.

Our March Speaker is Mr. Joe Moretti, Jr. of Service Metal Fabricating, Rockaway, NJ. His topic will be “Building the 9/11 Memorial Monument” and will cover the design and construction of the brass plates at the World Trade Center outdoor memorial. This topic is of great interest to me and many others. I am sure many of us have seen these plates several times, and some of us know people listed on the plaques. My wife, in her capacity as an estate lawyer, knows too many names.

In viewing these plaques several times, I wondered about who did them and how they were made because of their unique look. Now we can find out. Many engineering difficulties had to be addressed, and the presentation will cover many of the details and solutions. I am sure many will want to hear this talk and find out more about the work involved.

I hope this message finds you all warm and comfortable. Writing this in February means some cold and snow, and hopefully March offers us improved weather. The March meeting is one of strong interest to me and sadly, I will miss it. I will be 17 degrees south of the equator on March 15, on a beach; hopefully drinking some tropical concoctions and doing absolutely nothing. Due to the International Date Line, it will be my second March 15th this year. This is for two nights only as part of a return trip from visiting family far away, roughly 43 - 45 S.

I hope many can attend the talk and I regret not being able to be there.

Dr. Robert Sherman, Applied Surface Technologies  
Chairman, ASM Metro NY-NJ Chapter  
roberts@co2clean.com
Sustaining Members

Alcoa Howmet  
Belmont Metals  
Bodycote  
Bolt Tech Mannings  
Central Wire Industries  
Copper Development Association  
Columbia University  
Excel Technologies, Inc.  
ExxonMobil Research & Eng.  
G. Cotter Enterprises  
Instru-Met  
Ironbound Heat Treating  
Div. of Metal Improvement Co.  
McWilliams Forge Co.  
Praxair Electronics  
Temperature Processing Co.

The Metro NY-NJ Chapter thanks these companies for their ongoing support.

Program:

6:15 pm Networking  
7:00 pm Dinner  
8:00 pm Presentation

Place:  
Meson Madrid, Palisades Park, NJ  
Directions are on page 4

Cost:  
Members & Guests: $30.00  
Students: Free

Building the 9/11 Memorial Monument

Speaker: Joe Moretti Jr., Co-owner  
Service Metal Fabricating, Rockaway, NJ

Did you know that the landmark 9/11 Memorial Monument plaques were fabricated right here in Rockaway, New Jersey? Service Metal Fabricating was selected for the project for their fabrication capabilities and innovative ideas.

There are 152 brass plates. Each one is ten feet long by five feet high and weighs nearly 1,100 lbs. Many of the engineering aspects of the job were ‘design and build’ in nature, leaving the management team at Service Metal faced with many hidden challenges. For example, how do you keep the 1/2” bronze panels cool enough for human touch in the blazing heat of July? Or keep them warm enough from icing over in the winter? How do you engineer letter centers for letters such as ‘D’, ‘O’ or ‘R’, when the full perimeter of the letter has been drop cut?

You may recognize Joe Moretti from documentaries filmed on site during the productions for the History Channel or Discovery Channel. His talk will take you further into the production details from water jet cutting names into the panels, to welding the 3/4” stainless steel pedestals. The detail that is usually overlooked when observing the Memorial Monument is truly fascinating.

Visit their website at: www.servicemetal.com
The Metro New York-New Jersey Chapter is pleased to welcome the following new members and those who have transferred in:

- Mr. Lani G. Ache, Foster Wheeler
- Ms. Kimberly Amaba, Stryker Orthopaedics
- Mr. Luis Arellano, Stryker Orthopaedics
- Prof. Katayun Barmak, Columbia University
- Mr. Brandon Black, Stryker Orthopaedics
- Mr. Steven Buell, Stryker Orthopaedics
- Ms. Vivienne Clayton, Stryker Orthopaedics
- Mr. Carlos Collazo, Stryker Orthopaedics
- Ms. Christina D’Anjou, Stryker Orthopaedics
- Mr. Robert Davignon, Stryker Orthopaedics
- Mr. Matthew Demers, Stryker Orthopaedics
- Mr. Brian Fay, Stryker Orthopaedics
- Mr. Marvin Figueroa, Stryker Orthopaedics
- Mr. Phil Frank, Stryker Orthopaedics
- Mr. Vladimir Gershuni, Stryker Orthopaedics
- Ms. Rachel Gibbons, Stryker Orthopaedics
- Mr. Carlos Gomez, Stryker Orthopaedics
- Mr. Mark Gruczynski, Stryker Orthopaedics
- Ms. Lisa Hahn, Stryker Orthopaedics
- Ms. Tatyana Kaverina, Stryker Orthopaedics
- Mr. William Kelly, Stryker Orthopaedics
- Mr. Philip Kemp, Stryker Orthopaedics
- Mr. Munhee Kim, Stryker Orthopaedics
- Mr. John Labarbera, Stryker Orthopaedics
- Mr. James MacIntyre, Stryker Orthopaedics
- Mr. Ethan Mandelup, Stryker Orthopaedics
- Mr. Michael A. McGovern, Stryker Orthopaedics
- Ms. Anne McManus, Stryker Orthopaedics
- Mr. Matthew Nicosia, Stryker Orthopaedics
- Mr. Chris Nocera, Stryker Orthopaedics
- Mr. Joseph Rojas, Stryker Orthopaedics
- Mr. Manoj A. Singh, Stryker Orthopaedics
- Ms. Vivienne Clayton, Stryker Orthopaedics
- Mr. Brandon Black, Stryker Orthopaedics
- Mr. Steven Buell, Stryker Orthopaedics
- Ms. Vivienne Clayton, Stryker Orthopaedics
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- Mr. Marvin Figueroa, Stryker Orthopaedics
- Mr. Phil Frank, Stryker Orthopaedics
- Mr. Vladimir Gershuni, Stryker Orthopaedics
- Ms. Rachel Gibbons, Stryker Orthopaedics

Welcome New Members
& Transfers

We are looking forward to seeing you at the meetings; and, as always, the first dinner that a new member attends is complimentary.
Meson Madrid
343 Bergen Boulevard,
Palisades Park, NJ 07650
www.mesonmadrid.com
201-947-1038

Meson Madrid is located about five blocks east of Routes 1/9/46 at the junction of Bergen Blvd (US Hwy 63) and E. Palisades Blvd.

There is a direct link to Google® maps on the Meson Madrid website that will provide you with customized directions from anywhere.

Go to: www.mesonmadrid.com

meeting Directions

L-R Dr. Edward Rolinski, Senior Scientist, Advanced Heat Treat Corp. received an award of appreciation from Chapter Chair Robert Sherman for his presentation entitled: “Thermochemical Surface Engineering of Steels and Titanium using Plasma Nitriding”

coming Events

3/15/16 (Tuesday) 6:00pm
ASM Metro NY-NJ Meeting
Meson Madrid, Palisades Park, NJ
“Building the 9/11 Memorial Monument”
Joe Moretti, Co-Owner
Service Metal Fabricating

4/19/16 (Tuesday) 6:00pm
ASM Metro NY-NJ Meeting
“Family & Friends Night”
Meson Madrid, Palisades Park, NJ
“History of Long Pond Ironworks, 1765 to 1882”
Paul Frost, President
Friends of Long Pond Ironworks

May Plant Tour: Long Pond Ironworks Hewitt, NJ - Date to be announced

Events and speakers are subject to change.
Please check the Chapter website for updates & information.