Chair’s Message

Happy New Year to all. Hoping it is a safe and profitable one for all. Come out and join us for a meeting — we have a lot planned for the new year.

Paul Lenox, CW, CWI, AEIS
AWS NJ Section Chairman

At the Last Meeting  November 19, 2014

“Hot Wire Welding”
August F. “Gus” Manz, A.F. Manz Associates

A 5 to 7 foot snowfall in upstate New York derailed our original November presentation by Don Burgart of Koike-Aronson. It is now scheduled for February 18th.

Gus Manz graciously stepped in and gave a very informative presentation. Gus Manz is known for his many contributions to welding and cutting. An Electrical Engineer, he has over 30 welding patents. He is the inventor of the “HOT WIRE” welding processes <Hot Wire Gas Tungsten Arc Welding (GTAW), Hot Wire Plasma Arc Welding (PAW), etc.>, “One Knob” Gas Metal Arc Welding (GMAW) that has evolved into “Synergic Welding” and the GMAW power supply with slope, voltage and inductance control. In 1993 he was inducted into the New Jersey Inventors Hall of Fame. He established A.F. Manz Associates in 1986, Consultants in Welding Technology and Safety.

A member of many American Welding Society (AWS) committees, he is a past N.J. Section Chairman, past District Two Director, past Director-at-large, a Life Member and a Fellow of the AWS. He is the chairman of the American National Standard committee “ANSI Z49.1 Safety in Welding, Cutting, and Allied Processes” and a past chairman of the National Fire Protection Association committee “NFPA 51B Standard for Fire Protection during Welding, Cutting and other Hot Work”
• Come out  • Earn Professional Development Hours  • Make valuable contacts  • Gain knowledge  •

New Jersey Section  January Meeting Info

Globally Harmonized System of Classification and Labeling of Chemicals

Lisa M. Byall, Portfolio Manager, Industrial Products
The Lincoln Electric Company

The intent of this presentation is to describe and educate on GHS – the Globally Harmonized System of Classification and Labeling of Chemicals, why it was developed, how it relates to managing chemicals, and how this specifically relates to the welding industry and consumers of welding consumables. The discussion will begin with what GHS is and why it was developed, and why the international mandate. GHS was formed to define environmental, health, and safety (EHS) issues and hazards with chemicals, to create a classification process for chemicals, and communication of this hazard information. It is an internationally recognized system which provides a consistent format to communicate health and safety information.

What is the timeline and what are the benefits of GHS? The timeline is fluid for specific components of GHS, and many are a work in progress. OSHA adopted the GHS guidelines in 2012. Compliance is required by June 1, 2015 for product labels, packaging, and MSDS sheets. The basic goal of hazard communication is to ensure employers, employees, and the public are provided with accurate and consistent information on the hazards of chemical so that they can take educated measures to protect themselves and others. What are the benefits to individuals? What are the benefits to companies? What are benefits to the public? Each of these will be discussed and include some of the following: Improved safety and awareness, safer work environment, reduced costs and higher productivity, and improved corporate image and reputation.

GHS will impact existing regulations and requirement specifically to packaging, labeling and MSDS conversion to SDS. Why the original need for MSDS? Since 1985, the Occupational Safety & Health Administration (Continued on page 3)
OSHA regulations have required manufacturers to provide SDS for each chemical product that it sells, including arc welding consumables.

The SDS provides industrial hygienists, employers, workers, emergency response personnel, health and safety professionals with information about: what is in the product, the potential hazards of exposure and use and how to safely handle, work with and dispose of the product.

Specifically, we will take a look at a current MSDS sheet for welding electrodes and the requirements. There are 7 brief sections to an MSDS sheet that include identification, hazardous material, hazard data, health hazard data, reactivity data, and control measures and precautions for safe handling and use. In order to comply with the GHS, MSDS sheets will convert to a 16 section SDS. We will take a look at the 16 sections, briefly, as they include general information, hazards identification, first aid measures, handling and storage, as well as ecological and disposal information.

Lisa M. Byall received her B.S. in Chemical Engineering from Penn State University in 1992 before starting her career at Lincoln. Lisa started her career as a Technical Sales Rep in Cleveland, where she spent the first four years of her career. After Sales, she spent her next five years as a Technical Trainer and writing welding curriculum for education. Her legacy in the training department was writing curriculum that is used throughout the industry, No Teacher Left Behind.

Lisa spent the balance of her tenure at Lincoln Electric on the Product Management side of the business, having responsibilities in nearly every product portfolio and moved into managing the Industrial Product Management team. Lisa is the proud mother of three children who keep her even busier than her career. She is also an avid reader and sports fan. You can reach Lisa at lisa_byall@lincolnelectric.com.

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For complete information, email: grillonpkg@comcast.net

Get more involved in AWS—Join a NJ Section committee
October, 2014 CWI Seminar & Exam

The CWI Seminar and Exam was held October 12 - 18, 2014 at the PSEG Power, LLC Fossil Training Center facility in South Plainfield, NJ. There were 44 candidates in attendance for the exam.

Test supervisors and proctors included Robert Petrone, CWI Services, LLC; Eric Dolan, Dolan Associates; Alfred Fleury, A.F. Fleury Associates; Paul Lenox, AEIS; and James Dolan, Dolan Associates. The AWS NJ Section acknowledges these members and thanks them for their assistance.

Special AWS NJ Section thanks to PSEG for providing their facilities for the event.

The AWS NJ Section congratulates Mr. Herbert Browne, Morris County Technical Institute, and welcomes him to the esteemed rank of Certified Welding Inspector.

Photos courtesy of:
Eric Dolan, Dolan Associates

---AWS NJ Section News January, 2015---

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### Classified Ads

Help Wanted and other classified ads are available free to members and member companies. Just email your text to: grillonpkg@comcast.net

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Send emails to: weldnj@optonline.net
Mail correspondence to:
AWS NJ Section, c/o Jim Dolan,
169 Clover Hill Rd., Millington, NJ 07946

**Newsletter Contact info:**
Publisher/Editor: Patricia Grillon
PKG Business Promotion
Email: grillonpkg@comcast.net
Phone: 973-396-6952

### Coming Events

AWS NJ Section Meetings are held on the 3rd Wednesday of each month from September through May except during the month of December. Unless otherwise posted, the meeting location is: Pantagis Renaissance/Snuffy’s Clambar, 250 Park Ave., Scotch Plains, NJ. Guests are welcome to attend.

**January 21, 2015  6:00pm**
AWS NJ Section Meeting
**Globally Harmonized System of Classification & Labeling of Chemicals**
Lisa M. Byall, _The Lincoln Electric Co._

**February 18, 2014  6:00pm**
AWS NJ Section Meeting
**“Awards Night”**
Cutting/Welding/Positioning Equipment and Solutions
Mr. Donald Burgart, Weld Prod Mgr.
Koike Aronson, Inc.

**March 18, 2015  6:00pm**
AWS NJ Section Meeting
**Resistance Welding**
Mr. Neils Johnson, Technical Mgr.
Lors Machinery/Resistance Welding Solutions

Your ideas and input are always welcome. If your company would like to present a technical program concerning a welding related topic, please contact us.

Visit the NJ Section website at: [www.aws.org/newjersey](http://www.aws.org/newjersey)

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- Al Fleury, A. F. Fleury Associates
- Gus Manz, A. F. Manz Associates
- Bob Petrone, CWI Services, LLC

We acknowledge and thank these members for their ongoing support.

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