

MESSAGE FROM THE CHAIRMAN

As I write my first column as Chair of the RWMA, industry is limping along and only just showing the first signs of getting moving again. I thought it appropriate to paraphrase a speech by Abraham Lincoln made under similar circumstances:

Three score and fourteen years ago our fathers and grandfathers brought forth on this continent a new trade association, conceived in comradery, and dedicated to the proposition that not all welding processes are created equal.

Now we are engaged in a great financial recession, testing whether that member company, or any company, fighting to survive and so dedicated, can long endure. We are met on the great battle-field of hopeful sales calls. We have come to dedicate a portion of that battle-field, as a final place for those who have kept making sales appointments so that their company might live. It is altogether fitting and proper that we should do this.

But, in a larger sense, we cannot give up... we cannot stay home... we cannot ignore this need for marketing. The brave men, living and dead, who struggled here, have pioneered it, far above our poor power to add or detract. The world will little note, nor long remember what we say here, but it can never forget what they did here. It is for us the living, rather, to be dedicated here to the cold calls which they who fought here have thus far so nobly continued to make. It is rather for us to be here dedicated to the great task remaining before us—that from these delayed purchase orders we take increased devotion to that cause for which they gave the last full measure of devotion—that we here highly resolve that these road warriors shall not have tried in vain—that this nation, under Obama, shall have a new birth of capital equipment sales—and that RWMA: of the AWS, by the membership, for the industry, shall not perish from the earth.

Roger Hirsch

RWMA 2009 Chair



RWMA 2009 SPRING MEETING - THE ONLY RWMA MEETING IN 2009

Have you signed up to attend the RWMA Spring Meeting yet? If you haven't, you still have some time. Join us in Dayton, Ohio, April 29, through May 1, at the Downtown Dayton Marriott Hotel. You will have great networking opportunities with other resistance welding industry leaders.

Attendees will also enjoy our special guest speaker, Donna Hoying, Lean Bronze Certified Project Manager, with Lean Manufacturing Advanced Integrated Manufacturing Center and Workforce Development. Her topic is LEAN Manufacturing.

What is LEAN Manufacturing all about? If you are frustrated with the shop's inability to deliver on-time, on-budget, LEAN manufacturing will help your organization reduce waste, streamline processes, and actively engage employees in your facility. Donna Hoying will briefly discuss some of the Lean tools such as 5S and Visual Controls, Value Stream Mapping, and Setup Reduction. With the LEAN tools, Donna has increased inventory turns from 3 to 7 (GE Aerospace, formerly Smiths), and increased production by 63% (Community Tissue Services). See link below for more details:

<http://www.daytondailynews.com/n/content/oh/story/news/business/2007/05/20/ddn052007lean.html>



At the conclusion of the Spring Meeting on Friday morning, May 1st, attendees are invited to join us on a tour of the Wright Patterson Air Force Museum. Wright-Patt' is one of the largest, most diverse and organizationally complex Air Force installations. Past, present, and future are inextricably linked here, from the pioneering flights of the Wright brothers to the development of today's most advanced aircraft and aerial systems. Missions for the base's units vary from acquisition and logistics management, to research and development, advanced education, flight operations, and a vast array of other activities. It's sure to be an exciting tour, and I'm certain you won't want to miss it.

The following companies have already registered to attend the Spring Meeting:

Apex Controls
Automation International
Banner Welder, Inc.
Cadi Company
CenterLine Windsor, Ltd.
CMW Inc.
Cybersmith Engineering
Dengensha America Corp.
IBC Advanced Alloys
Dimplex Thermal Solutions
ENTRON Controls, LLC
Flex-Cable
Freeport-McMoran Copper & Gold

Huys Industries Limited
Janda Company, Inc.
Kelly Welding Solutions
KVA Resistance Welding Supply
Luvata Ohio, Inc.
National Bronze & Metals
NGK Metals Corp.
Nonferrous Products, Division of
T. J. Snow Company
NSRW, Inc.
Obara Corp.
Resistance Welding Products, Ltd.
RoMan Engineering Services

RoMan Manufacturing, Inc.
Sciaky, Inc.
Standard Resistance Welder Co.
Stillwater Technologies, Inc.
Techno-Control Cybernetics, Inc.
The Taylor-Winfield Corp.
Tipaloy, Inc.
Tuffaloy Products
Unitrol Electronics, Inc.
Watteredge, Inc.

**** IMPORTANT RWMA ANNOUNCEMENT ****

RWMA has been trying to find ways to keep the annual cost to members as low as possible while, at the same time, adding member benefits. In these tough economic times this seems like a contradiction, however, we believe that we have found a way to accomplish this.

- RWMA has traditionally held two meetings per calendar year, a Spring and Annual meeting. Our Annual Meeting, usually held in the Fall, will be moved to March 2010. This meeting will be held at the same location and time as the WEMCO (Welding Equipment Manufacturers Committee) Annual Meeting. WEMCO, like RWMA, is a Standing Committee of the American Welding Society. The regular RWMA Governance and Committee Meetings and Workgroups will still take place during this meeting, as well as the Full Member General Session at the end.
- RWMA and WEMCO will co-locate to share high-powered speakers and topics, cocktail hours, and most group meals. WEMCO's Annual Meeting has traditionally brought dynamic speakers to the platform. WEMCO's featured speaker at its Annual Meetings has been Alan Beaulieu, Senior Analyst, Economist and Principal with the Institute for Trend Research. Since 1990, Mr. Beaulieu has consulted with companies around the world, and his economic forecasts have been quoted in numerous business publications and economic journals. The cost for this type of speaker has been out of range for the RWMA budget, but with these combination sessions RWMA can hear world-class speakers as well.
- To keep the workings of RWMA moving forward, a schedule of teleconferences for each of the Committee and working groups will be set up in between meetings. This will allow beginning and completion of projects that will promote the Resistance Welding process to fulfill the purpose of RWMA.
- Networking with the WEMCO members can be invaluable. Many of the people who attend their meetings are our customers or potential customers for the future; and in these hard economic times, networking is a necessity.

RWMA's Executive and Governance Committees believe that you will be happy with this upcoming change. If you have any questions or concerns, please feel free to express them to any of the members of the RWMA Executive or Governance Committee, or Susan Hopkins, the RWMA Program Manager.

RWMA MACHINE PLATES



RWMA members may purchase Machine Plates, displaying their association with RWMA. These plates measure 3 ¼" X 2". They are sold in sets of 25, at \$25.00 per set. To request an order form, contact Susan Hopkins at susan@aws.org, or call 800-443-3953, ext. 295. These are only available to RWMA members for their use on equipment they produce.

RWMA LOGO

As an RWMA member, we hope you are displaying the RWMA member logo on all your company's promotional material. To request a logo sheet, contact Susan Hopkins at susan@aws.org.

COMMITTEE WORK IN PROGRESS

C1 Committee. The AWS C1 Committee on Resistance Welding is currently working on the next edition of C1.1M/C1.1, Recommended Practices for Resistance Welding. New editions of both C1.4M/C1.4, Specification for Resistance Welding of Carbon and Low-Alloy Steels, and C1.5, Specification for the Qualification of Resistance Welding Technicians, were published in early 2009. The C1 Committee Officers are Chair Nigel Scotchmer of Huys Industries, First Vice Chair Darryl Walker of Centerline (Windsor), and Second Vice Chair Bill Qualls.

For more information on the C1 Committee activities, please contact C1 Secretary, Annette Alonso, by phone (800-443-9353 x 299), or e-mail aalonso@aws.org. If you are interested in joining the C1 Committee, submit an online technical committee membership application using the following link:
www.aws.org/w/a/survey/standard?survey_start=techapplication.

J1 Committee. The AWS J1 Committee on Resistance Welding Equipment will be meeting on Thursday, April 30, in conjunction with the RWMA Spring meeting. The agenda includes the updating of the current task group work plans (J1A - Specification for Resistance Welding Controls; J1B - Guide to Installation and Maintenance of Resistance Welding Machines; and, J1C - Resistance Welding Pocket Handbook). There will be follow-up on the discussion involving a standard pertaining to RW materials. We will also discuss the opportunity that exists to provide comment to the revision of Z49.1 - Safety in Welding, Cutting, and Allied Processes.

Individuals who are interested in participating on the J1 committee or any of these workgroups can obtain additional information by contacting the J1 Secretary, Annette Alonso by phone (800-443-9353 x 299) or Email (aalonso@aws.org). The committee membership application can also be completed on-line at the AWS Website http://www.aws.org/w/a/survey/standard?survey_start=techapplication.

CCRW Subcommittee. The AWS-CCRW subcommittee reviewed the final draft copy of the AWS-C1.5-2009 "*Specification for the Qualification of Resistance Welding Technicians*" document during their October 23, 2008 meeting in central Florida, to which Peter Howe, AWS-Managing Director, Certification Technical Operations answered several questions towards clarifying how the C1.5 qualification document connects directly to the AWS-Certified Resistance Welding Technician (CRWT) program's QC20 "*Specification for AWS Certification of Resistance Welding Technicians*" draft document.

Since then, the group has successfully completed the latest round of balloting of the QC20 draft document, and has scheduled a review of those comments and proposed resolutions during the subcommittee's spring meeting in Dayton, Ohio on April 29.

RWMA PUBLICATIONS



RWMA publications and bulletins can be purchased through World Engineering Xchange Ltd. (WEX). Call 1-888-WELDING, or e-mail your orders to orders@awspubs.com. You can also place orders through the RWMA Web site at www.aws.org/rwma.

SPANISH LANGUAGE *WELDING JOURNAL*



The third edition of the Spanish language *Welding Journal* was issued in January 2009. The American Welding Society will have two more editions in 2009, May and September, as there is a large and growing interest in Spanish welding publications in Latin America.

If you would like to receive a copy of the Spanish language *Welding Journal*, contact Carlos Guzman, Editor, at cguzman@aws.org.

FABTECH INTERNATIONAL & AWS WELDING SHOW

The FABTECH International & AWS Welding Show is the largest event in North America dedicated to showcasing a full spectrum of metal forming, fabricating, tube and pipe, and welding equipment and technology. In 2009, the event returns to Chicago! Thousands of buyers and sellers from around the world will gather at McCormick Place to exchange products and services, form new business relationships, problem-solve, and share best practices. Be a part of this exciting manufacturing tradition --- make plans now to exhibit or attend the 2009 FABTECH International & AWS Welding Show including Metalform.

If you want to reach a qualified audience of prospects hungry for what you offer, look no further than the FABTECH International and AWS Welding Show. There are still a few booths left if you would like to exhibit. Contact Joe Krall, at jkrall@aws.org, or call him at 800-443-9353, ext. 297.

2009 SHOW HOURS

Sunday, November 15, 2009	11:00 a.m. to 4:00 p.m.
Monday, November 16, 2009	9:00 a.m. to 5:00 p.m.
Tuesday, November 17, 2009	9:00 a.m. - 5:00 p.m.
Wednesday, November 18, 2009	9:00 a.m. - 3:00 p.m.

FABTECH International & AWS Welding Show 2009

McCormick Place North and South Halls
2310 S. Lakeshore Drive
Chicago, IL 60616
Hall website: www.mccormickplace.com

FABTECH MEXICO TO CO-LOCATE WITH AWS WELDMEX AND METALFORM MEXICO

AWS Weldmex, now in its 6th Edition, is the largest Welding Exposition in Latin America and is proud to announce the addition of two co-located shows for next June in Monterrey Mexico.

Fabtech Mexico and Metalform Mexico will join AWS Weldmex to make the event the largest welding, metalworking and fabrication show in Latin America with over 400 exhibitors, 60,000 net square ft. of exhibit space and over 8000 attendees.

"The organizers of AWS Weldmex are extremely pleased to co-locate with FABTECH Mexico," said Ray Shook, AWS Executive Director. "The AWS alliance with FMA and SME in producing The FABTECH International & AWS Welding Show has proven valuable to both show attendees and exhibitors. We expect the same success with our new alliance in the Latin American market."

EMMET A. CRAIG RESISTANCE WELDING SCHOOL IN CHICAGO



The Emmet A. Craig Resistance Welding School is going to be held in Chicago, Illinois on November 17 and 18 at McCormick Place. This is the only resistance welding school sponsored by the voice of the industry, the RWMA. Each program session is prepared to offer every participant a thorough knowledge of resistance welding. Actual demonstrations and hands-on participation using a classroom welding machine and other auxiliary equipment aid tremendously in the learning process.

This intensive 2-day course about the basics of resistance welding is offered once a year. The school is designed to give operators, production supervisors, engineers, and others the opportunity to study, better understand, and further their knowledge in the theory, applications, and equipment used in the resistance welding process. This intense learning atmosphere will better prepare the unfamiliar and further educate the experienced.

If you haven't had the opportunity to attend this welding school in the past, don't miss out any longer. Contact Natalia Lopez de Quintana at nlopez@aws.org for more information or to be put on the welding school's mailing list.

RWMA WELDING SCHOOL TABLETOP EXHIBITS

RWMA members will be able to take advantage of exhibiting during the Emmet A. Craig Resistance Welding School lunch hour on November 17 and 18 in Chicago, Illinois, at McCormick Place.

Having a tabletop exhibit allows for a perfect opportunity to network with students, welders and industry customers, and potential customers, one-on-one. You can find out more on exhibiting by contacting Natalie Lopez de Quintana at nlopez@aws.org, or calling her at 800-443-9353, ext. 213.

AWS ONLINE FORUMS

Did you know that AWS has online forums? These live, interactive forums on the AWS Web site at www.aws.org are your virtual sounding board to the wide world of welders and welding. It provides a fast and easy way to exchange ideas, post questions, share insights and get tips and advice on everything welding.

There is no limit to what you can learn on the forums. Everything from inspection questions to new jobs, to advice on equipment and consumables, to local events, are posted. It is the one place where welding professionals from near and far can get together for a chat or even a good laugh.

Don't miss out on the action. Join the forums at http://www.aws.org/cgi-bin/mwf/forum_show.pl.

MEMBER NEWS

NEW CHIEF TECHNOLOGY OFFICER AT HUYS INDUSTRIES, LTD.

Dr. Sumanjit Singh has joined Huys Industries as Chief Technology Officer. Dr. Singh is internationally recognized as an expert in resistance welding and has numerous patents and publications to his name. He was formerly Head of Joining for the Volkswagen Audi Group of companies. Jim Pritchard, VP of International Development at Huys said, "We are pleased that we can consolidate our leadership role in the introduction of advances in resistance welding. Dr. Singh brings his international experience and knowledge to North America."



SORPAS VERSION 10 SET FOR RELEASE AT HUYS WELDING STRATEGIES

Huys Welding Strategies is pleased to announce that SORPAS Version 10 is set for release on June 1st, 2009, the 10th anniversary of the introduction of SORPAS. This latest version of the world's #1 software for resistance welding simulation will include the capability to perform multiple welds with the same set of electrodes to help predict electrode wear. Additional improvements in usability and in the interface make it easier still to use.

*Submitted by Nigel Scotchmer
Huys Industries, Ltd.
Weston, Ontario, Canada*

FUSION WELDING SOLUTIONS IS ON THE MOVE AGAIN AND WITH NEW PARTNERS

Fusion Welding Solutions is pleased to announce that they are moving into a new facility. They have some new opportunities and need additional space for growth.

You can now find them at 36755 Metro Court, Sterling Heights, Michigan. Their new office number is 586-264-5584, and their fax is 586-264-5611.

In addition, Fusion Welding Solutions has recently partnered with Applied Engineering and Technology Integration, Inc. (AET) for Resistance and Arc Welding, Metallurgical, and Tensile testing. Their new lab office is located at 50384 Dennis Court in Wixom, Michigan.

Also, FWS has a new partnership with NuAge Plant Services, based out of Jackson Michigan. They will be working together to provide a number of services such as; weld cell maintenance, support and equipment, robotic cell services, and auditing.

*Submitted by Connie Frost
Fusion Welding Solutions
Sterling Heights, Michigan*

TECHNO-CONTROL CYBERNETIC LAUNCHED ITS NEW RESISTANCE WELDING CONTROLLER



“The Gamma 2” — This new series of controller combines the same advantages and benefit that made the original Gamma Series, which include low price, efficiency, and now adds the following characteristics: An integrated pulsation unit (pulser), parameters for cooling between the pulses and almost 10 times more welding programs (up to 99 programs available). The new Gamma 2 Series by Techno-Control Cybernetic is available now.

*Submitted by Denis Lebroesse
Techno-Control Cybernetics
Terrebonne, Quebec, Canada*

CENTERLINE (WINDSOR) LIMITED HIRES DIRECTOR, CORPORATE MARKETING



CenterLine (Windsor), Ltd. is pleased to announce that Marc Levesque has re-joined the company as Director, Corporate Marketing. Marc most recent position was Director, Business Development with Global Vehicle Systems Inc. Prior to this, Marc spent over 20 years of his career with CenterLine in various roles ranging from Marketing Representative to Sales Manager. He is very excited to be back with the company and is eager to assist CenterLine in promoting its products and services and to assist in the introduction of several new products and business initiatives targeted by the company.

*Submitted by Phil Campbell
CenterLine (Windsor), Ltd.
Windsor, Ontario, Canada*

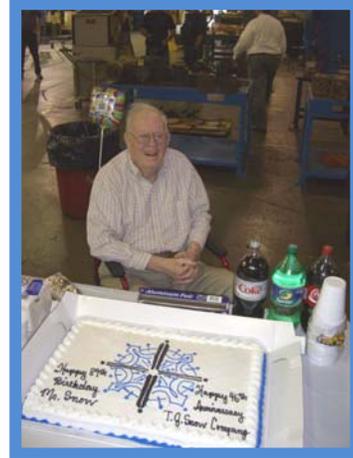
NEW OPTION FOR UNITROL'S SOLUTION-2 WELDING CONTROL

Unitrol Electronics has just announced a new option for their SOLUTION-2 welding control that allows monitoring of up to 15 proximity switches (up from the original 5) in any sequence or group at any time while CHAINS are operating. This means that the SOLUTION-2 control can be used on more automation applications without the need for a PLC, or can handle all phases of the welding and indexing sequence when working with a PLC. The new option can be easily field added to existing SOLUTION-2 controls.

*Submitted by Ron Leibovitz
Unitrol Electronics
Northbrook, Illinois*

HAPPY 46th ANNIVERSARY TO T.J. SNOW COMPANY

T. J. Snow Company, which was founded on April Fool's Day, 1963, recently celebrated its 46th anniversary in conjunction with the 89th birthday of its founder, Jim Snow. Congratulations!



*Submitted by Tom Snow, Jr.
T.J. Snow Company
Chattanooga, Tennessee*

RWMA 2009 MEMBERSHIP DIRECTORY



The RWMA 2009 Membership Directory is available. Contact Susan Hopkins at susan@aws.org, or call 800-443-9353, ext. 295, or outside the U.S. call 305-443-9353 if you would like some sent to you.

This directory is a very valuable benefit, as they assist others looking for Resistance Welding companies in their area. These Directories are available at all trade shows where AWS participates.

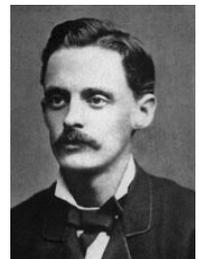
ELIHU THOMSON RESISTANCE WELDING AWARD HISTORY



Happy Birthday Elihu Thomson!

On March 29th, we celebrated Elihu Thomson's birthday! He would be 156 years old.

Elihu Thomson (March 29, 1853 – March 13, 1937) was an engineer and inventor who was instrumental in the founding of major electrical companies in the United States, United Kingdom and France. Thomson was a prolific inventor, being awarded over 700 patents.



But most of all, he is known as the inventor of resistance welding. In 1876 while setting up an experiment, he fused some copper wires together. Quickly thinking and making a note "better luck next time" he questioned whether metals could be welded at will. The fusing of the copper wires was an initial discovery of welding. Thomson drew the first principles of resistance welding the next year.

Annually, individuals are nominated for a special award honoring Mr. Thomson, sponsored by the Resistance Welding Manufacturing Alliance, the **Elihu Thomson Award**. It was formulated in 1985 during the RWMA's 50th Anniversary, for initial presentation in 1986 to celebrate the 100th Anniversary of the invention of resistance welding.

To see past Elihu Thomson Awardees, log to the RWMA website at <http://www.aws.org/rwma/awards/elihu-past.html>.

RWMA 2009 OFFICERS & COMMITTEE CHAIRS

RWMA Executive Committee

RWMA Chair - Roger Hirsch, Unitrol Electronics

RWMA 1st Vice Chair - Wade Burnette, NSRW, Inc.,

RWMA 2nd Vice Chair - Mark Gramelspacher, CMW Inc.

RWMA Immediate Past Chair - Michael Simmons, Resistance Welding Products, Ltd.,

Machinery Division

Representative, Tom Snow, T.J. Snow Company

Alternate Representative, Richard (Dick) Vreeland, Ewald Instruments

Electrode Division

Representative, Greg Chambers, Luvata Ohio, Inc.

Alternate Representative, Dan Wellman, Obara Corp., USA

Components Division

Representative, Ricky Martin, Intertron Industries

Alternate Representative, Dan Uszynski, CenterLine (Windsor), Ltd.

Education Committee

Chair, Patricia (Pat) Adams, ENTRON Controls, LLC

Vice Chair, Tom Snow, T.J. Snow Company

Scholarship Subcommittee

RWMA Representative, Kurt Hofman, RoMan Manufacturing, Inc.

Welding School Subcommittee

Chair - Bruce Kelly, Kelly Welding Solutions

Vice Chair - Don Sorenson, ENTRON Controls, LLC

Executive Finance Committee

Chair - Mark Gramelspacher, CMW Inc.

Marketing Committee

Chair - Ed Langhenry, Jr., Watteredge, Inc.

Vice Chair - Danny Thomason, Dimplex Thermal Solutions

Web Site Subcommittee

Chair - John Collins, Spotwelding Consultants, Inc.

Member Recruitment Subcommittee

Chair - Garret Herringdon, Southern Copper & Supply

Newsletter Subcommittee

Chair - Bill Brafford, Tuffaloy Products, Inc.

Membership Committee

Chair - Holly Stevens, Flex-Cable

Vice Chair - Wade Burnette, NSRW, Inc.

Strategic Planning Committee

Chair - Michael Simmons, Resistance Welding Products, Ltd.

Technical Committee

Chair - Bob White, Jr., Janda Company, Inc.

Vice Chair - Don Maatz, RoMan Engineering Services, Inc.

CALENDAR OF EVENTS

4th International Brazing & Soldering Conference Orlando, Florida April 26-29, 2009	RWMA 2009 Spring Meeting Dayton, Ohio April 29 - May 1, 2009	Beijing-Essen Welding & Cutting Fair Shanghai, China June 2-5, 2009
AWS/Weldmex Monterrey, Mexico June 2-5, 2009	Western Manufacturing Technology Exhibition Edmonton, Alberta Canada June 16-18, 2009	Skills USA Kansas City, MO June 22-26, 2009
Essen Welding Fair (Schweissen & Schneiden) Essen, Germany September 14-19, 2009	ASNT Fall Conference & Quality Testing Show Columbus, Ohio October 19-23, 2009	FABTECH International & AWS Welding Show Chicago, Illinois November 15-18, 2009
Power-Gen International Las Vegas, Nevada December 8-10, 2009		

RWMA MISSION STATEMENT

The mission of the RWMA Committee of AWS is to advance resistance welding technology, broaden its use, and promote its economic benefits.

ANYTHING TO ADD?

If you have news for us, we'll be glad to print it. Send a copy of the information in electronic format to susan@aws.org, and we'll make sure it gets in the next issue.

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