



# News

Summer 2009

## MESSAGE FROM THE CHAIRMAN

I recently returned from the WELDMEX show that was held in Monterrey, Mexico June 2-4. Because it was the first time Unitrol Electronics exhibited in this show, I attended with rather low expectations – as did most of the other exhibitors. From the time the doors opened at 2:00 p.m. on Tuesday, until they closed at 8:00 p.m. on Thursday, the hall was filled with attendees looking for answers to production problems. This reminded me of conventions in the 90's. Also, the requirements brought to the booth were for projects that needed to move forward now and not for some distant future planning.

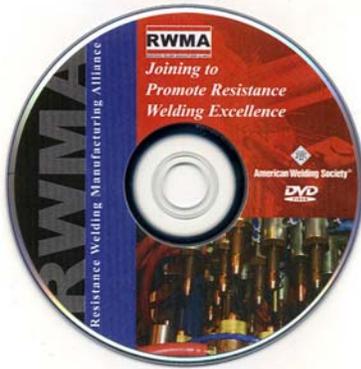
Currently, I am now seeing quotes that were made many months ago; and, are resulting in orders being placed. This type of activity in the U.S., and Mexico has convinced me that our stalled economy is starting to turn around.

When the dust settles, we should see a smaller number of companies doing resistance welding; but, these survivors will be stronger than before. We are all hanging on and looking to the horizon, and signs are becoming better each week. I hope by the next RWMA meeting in the spring of 2010, these corporate nightmares will be in the past, and we can begin in the process of running profitable businesses. Maybe, we will all start to have fun again!

*Roger Hirsch*  
RWMA 2009 Chair



## NEW RWMA EDUCATIONAL DVD



The RWMA (Resistance Welding Manufacturing Alliance) is excited to inform you that our recently updated DVD on the resistance welding industry, and the basics to resistance welding, as well as its opportunities and growth, is now available to accredited instructors for free! This DVD covers all of the rudiments of resistance welding. It would be a terrific supplement to your classroom instructions regarding all elements of resistance welding. It is fast moving, information laden with extraordinary visuals.

This DVD can, and will be provided as a tool to educators to promote the education of the resistance welding process. We are promoting Resistance Welding as a potential career path for students. This tool will provide tips for implementing resistance welding into a school's curriculum, and inclusion in the occupation-specific competencies.

The DVD is available for viewing online at <http://www.aws.org/rwma/videos/>. If you would like your free instructor copy of this DVD, contact Susan Hopkins, RWMA Program Manager, at [susan@aws.org](mailto:susan@aws.org), or 800-443-9353, ext. 295.

## RWMA 2009 SPRING MEETING - RECAP

If you weren't able to attend the RWMA 2009 Spring Meeting, you missed a very productive event, as well as some great networking opportunities. Attendees also enjoyed our special guest speaker, Donna Hoying, of Lean Manufacturing Advanced Integrated Manufacturing Center and Workforce Development. She educated the group on LEAN Manufacturing by teaching attendees how to reduce waste, streamline processes, and actively engage their employees.

RWMA was happy to see some new faces, as well as those who haven't attended in awhile. It was great seeing Jean-Pierre Derdeyn with Techno-Control Cybernetics, Bill Lukens with Stillwater Technology, and Bill Qualls, who is one of the RWMA Supporters, after being away for awhile. We welcome Kenneth Wlodkowski with National Bronze & Metals as being a first-time attendee. We hope to have each of them join us again at future meetings.

This year's meeting included a highly successful roundtable discussion. Many of the attendees felt that a lot of good information was shared. The discussions dealt with topics that effect member companies and the industry today.

At the conclusion of the Spring Meeting, many of the attendees toured the Wright Patterson Air Force Museum. The Museum included exhibits from past, present, and future, from the pioneering flights of the Wright brothers, to the development of today's most advanced aircraft and aerial systems.

**RWMA will not be hosting another meeting in 2009.  
The next one will take place March 11-13, 2010.**

## RWMA'S FIRST CO-LOCATED ANNUAL MEETING IN 2010



Join us for the first co-located annual meeting at the PGA National Resort and Spa in Palm Beach Gardens, FL, March 11-13, 2010. RWMA will co-locate with WEMCO (Welding Equipment Manufacturers Committee), allowing for the opportunity to increase your networking potential by meeting fellow AWS standing committee members. Spend time exchanging ideas on compelling issues that involve your organization, and the industry as a whole.

During this rare occasion, attendees and guests will also have the pleasure of attending the highly-anticipated annual economic forecast by the renowned Alan Beaulieu of Institute for Trend Research, as well as listen to presentations by top welding industry executives.



Although both organizations are standing committees of AWS, and are driven by separate agendas, they still share one common goal: to promote the well-being of the welding industry and its positive growth progression in the future—whether specifically through the advancement of the resistance welding process; or, globally by collaborating with fellow industry leaders to harmonize efforts for promotion, distribution and acceptance of welding and welding-related products worldwide.

To receive more information on this exciting event, one you won't want to miss, contact Susan Hopkins, RWMA Program Manager at [susan@aws.org](mailto:susan@aws.org), or call 800-443-9353, ext. 295.

## COMMITTEE WORK IN PROGRESS

**J1 Committee.** The AWS J1 Committee on Resistance Welding Equipment held a meeting in Dayton, Ohio on April 30. Significant actions during the meeting included:

1. The Committee approved the recommendation of the following Officers to the Technical Activities Committee for the 2010-2012 term of office. Chair - D. Beneteau (CenterLine); First Vice Chair - K. Ymker (RoMan Manufacturing); Second Vice Chair - R. Hirsch (Unitrol Electronics).
2. The initiation of a new task group to draft a proposed amendment to the resistance welding section of ANSI Z49.1:2005, *Safety in Welding, Cutting, and Allied Processes*. K. Ymker was appointed Chair of a committee which will initially include: B. Qualls, C. Breidenbaugh, D. Beneteau, L. Wright, and T. Sparschu.
3. A decision was made to hold a J1 Committee meeting in conjunction with the next RWMA meeting, being held March 11-13, 2010, in Palm Beach Gardens, FL.

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](mailto: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](http://www.aws.org/w/a/survey/standard?survey_start=techapplication).

**CCRW Subcommittee.** Members of the AWS-CCRW Subcommittee on the Certification of Resistance Welding Technicians (CRWT) worked diligently during their spring meeting in Dayton, Ohio, reviewing, and approving all editorial & substantive items submitted during the ballots for the new AWS-QC20 "Specification for AWS Certification of Resistance Welding Technicians" draft document. The group also began building a list of questions, with correct answers and references to be used in creating the written "fundamentals" exam for the CRWT program. By assigning specific topics to qualified members and volunteers, each individual will develop a minimum number of questions.

Special thanks to Mike Simmons and Jean-Pierre Derdeyn for taking time out of their busy schedules to volunteer for this effort, and contributing to its success.

## RWMA COMMITTEE UPDATE

The RWMA Strategic Planning Committee met on April 28, and discussed a priority/objective list for RWMA previously decided upon at a past meeting. The Committee felt it would be best to begin by focusing on two of the objectives, and have each of the RWMA Committees find ways to implement them. The two objectives were "Market the Process," defined as, "*Develop a list of Action Items to promote the advantages of Resistance Welding as a superior process to other joining methods;*" and "Support Education" defined as, "*Develop a list of Action Items that make information available to further understand the concepts and technical aspects of Resistance Welding.*"

**RWMA Marketing Committee:** The Marketing Committee held its first teleconference on June 5<sup>th</sup>. During this teleconference Chairs were chosen for each of the Action Items that they had decided upon to meet the objectives from the Strategic Planning Committee. They are; Advertise the process in the *Welding Journal*, as well as Machine Design; Monitor the AWS Forum/Blog website; and Promote resistance welding by educating vocational schools and other educational institutions. Work has already begun on most of the objectives. They have scheduled the next Marketing Committee Teleconference for August 7, at 4:00 p.m. EST.

**RWMA Education Committee.** On June 23<sup>rd</sup>, the Education Committee held its first teleconference. This Committee has chosen four items to work on to satisfy the objectives from the Strategic Planning Committee. They are: Publicize welding as a career track; Participate in Skills USA competitions; Influence the course curriculum at high schools, technical schools, colleges and universities; and Exploit publication opportunities in the *Welding Journal*. Their next teleconference is scheduled for August 26, at 2:00 p.m. EST.

At the publishing of this Newsletter, both the **RWMA Technical Committee**, and the **RWMA Membership Committee** have not held their first teleconferences; however, the Membership Committee will be holding their teleconference on July 30, at 4:00 p.m. EST, and the Technical Committee's teleconference is scheduled for July 22, at 2:00 p.m. EST.

## 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](mailto:orders@awspubs.com). You can also place orders through the RWMA Web site at [www.aws.org/rwma](http://www.aws.org/rwma).

## SPANISH LANGUAGE *WELDING JOURNAL*



The fourth edition of the Spanish language *Welding Journal* was issued in May 2009. The American Welding Society will have one more edition in September 2009, 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](mailto:cguzman@aws.org).

## RWMA MACHINE PLATES



RWMA members may purchase Machine Plates, displaying their association with RWMA. These plates measure 3 1/4" 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](mailto: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](mailto:susan@aws.org).

## DID YOU KNOW?



There are several factors that need to be determined before the MCM size of the secondary cable can be selected. These are:

1. Amount of amps being generated at the electrode tips, not the size of the transformer.
2. Duty Cycle
3. Parts being welded per minute
4. Number of welds per part
5. Length of the cable for the application

After these factors are identified, a formula can be used to decide the ECTC value of the application. A reliable secondary power cable manufacturer will be able to assist you with the formula to decide on the proper MCM size of your cable.

*Submitted by Ed Langhenry, Jr.  
Watteredge, Inc.  
Avon Lake, Ohio*

## RWMA Q&A COLUMN

Check out the July issue of the *AWS Welding Journal* on page 16. Larry Moss, President of Automation International, Inc., as well as a Past Chair of RWMA, was the most recent author of the RWMA Q&A column. This column appears every other month in the *Journal*. If you would like to contribute your expertise to a future issue, please contact Susan Hopkins at [susan@aws.org](mailto:susan@aws.org).

## FROM THE FIELD

*Story submitted by Roger Hirsch  
Unitrol Electronics, Inc.  
Northbrook, Illinois*



Sometimes lack of understanding the mechanics of a spot welding machine will stop a company from being able to weld. A company doing aerospace welding had installed our 3Ø frequency converter control on their 150KVA seam welder and was complaining that they couldn't get full amperage at the electrodes. At 80% heat setting the most they could get with shorted electrodes was 28,000A on a welder that should have easily been able to get over 50,000A at this setting.

When tests using an oscilloscope showed that the control was putting the correct portion of each ½ cycle into all three primary windings of the transformer, I started to suspect transformer or machine problems. I was informed that the welding transformer had been sent out for total rebuilding prior to installation of the new control, and that the rebuilder assured them that it was done correctly.

I was also told that the swivel connecting links on the welder's secondary had been taken apart, cleaned, and lubricated with the proper material as specified by the welder manufacturer. This all happened when I was at the RWMA meeting in Dayton, Ohio. After nothing seemed to solve the problem, I agreed to stop on my way home to visit this company and check out their welder.

The solution was quite simple. Of the 3.5 volts on the welder secondary, about 1.3 volts was dropped across each of the two secondary swivel connections. That left practically nothing for the electrodes. Contrary to what the maintenance person told the welding department foreman, the swivel connections had not been touched. The bolts holding these joints together still had the original factory paint. A simple opening, cleaning, lubricating, and reassembly solved the problem, and the welder was now putting out well over their requirements even at lower percent settings.

## NEW MEMBER



RWMA welcomes **Prevail Technology** as its newest member. Prevail Technology is a high-tech corporation in the Chinese welding field, holding the management concept of "professional quality, honesty oriented and to-win", commits itself to provide increasing innovative and professional welding solutions, the equipment of high quality and sincere services to consumers, and create the maximum value and potential increase for consumers. They manufacture resistance welding solutions for a diverse array of products such as appliances, elevators, automobiles, refrigeration, electrical, electronics, battery, and many other growing products in their busy marketplace. They have many experts, Senior Engineers, and Technicians, capable of providing design and production of special equipment, as well as first class after service for customers. In 2004, Prevail Technology was issued "CCC" Certificate. In 2003, they acquired ISO9001:2000 Quality System Certification.

Be sure to check out their website at [www.hkprevail.com/en/indexen.asp](http://www.hkprevail.com/en/indexen.asp) to learn more about them, and what they have to offer.

## FABTECH MEXICO CO-LOCATED WITH AWS WELDMEX AND METALFORM MEXICO

AWS Weldmex, was joined by Fabtech Mexico and Metalform Mexico on June 2 – 4, 2009, in Monterrey, Mexico, for the largest welding, metalworking and fabrication show in Latin America. Attendance was strong, despite the worldwide economic downturn.

Exhibitors and attendees alike, are already looking forward to the next AWS Weldmex Show, May 11 – 13, 2010, in Mexico City. If you would like information on exhibiting at the 2010 Weldmex Show, contact Joe Krall, at [jkral@aws.org](mailto:jkral@aws.org), or call him at 800-443-9353, ext. 297.

## FABTECH INTERNATIONAL & AWS WELDING SHOW



The FABTECH International & AWS Welding Show including Metalform 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 [jkral@aws.org](mailto:jkral@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](http://www.mccormickplace.com)

## EMMET A. CRAIG RESISTANCE WELDING SCHOOL IN CHICAGO



The Emmet A. Craig Resistance Welding School will be held in Chicago, Illinois, on November 17 and 18 at McCormick Place. This is the only resistance welding school sponsored by 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.

As an RWMA Member Company you understand the value of a program that provides specific information on topics relevant to the resistance welding industry.

You can also help us to educate others on the resistance welding process by offering the Welding School brochures to your colleagues and customers. Request your copies today by calling 1-800-443-9353, ext. 295, or email [susan@aws.org](mailto:susan@aws.org) and we'll get them out to you immediately.

If you haven't had the opportunity to attend this welding school in the past, don't miss out any longer. For more information, or to be put on the welding school's mailing list, contact the AWS Education Department at [sSharon@aws.org](mailto:sSharon@aws.org).

## RWMA WELDING SCHOOL TABLETOP EXHIBITS

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

Having a tabletop exhibit is a perfect opportunity to network with students, welders, industry customers, and potential customers. You can find out more about exhibiting by contacting Susan Hopkins at [susan@aws.org](mailto:susan@aws.org), or calling her at 1-800-443-9353, ext. 295.

## AWS ONLINE FORUMS

Did you know that AWS has online forums? These live, interactive forums on the AWS Web site at [www.aws.org](http://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, as well as 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, and local events, are posted. It is the one place where all welding professionals 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](http://www.aws.org/cgi-bin/mwf/forum_show.pl).

## MEMBER NEWS

### **CENTERLINE (WINDSOR) LIMITED HIRES ACCOUNT MANAGER**



CenterLine (Windsor) Ltd. is very pleased to announce that Brad Dierickse has joined CenterLine (Windsor) Ltd. as Account Manager. Brad is a performance driven sales professional specializing in consultative business to business selling of industrial automation solutions and services. He brings to CenterLine 20 years of practical business experience in the industrial automation sector. He's held positions ranging from Product Marketing Specialist, Program Manager, Senior Account Manager and Business Development Manager. Brad has significant knowledge of custom machine automation and advanced production systems. His range of experience and industry insight will greatly assist CenterLine in its ongoing development of its metal joining and coating products, systems and services.

*Submitted by Marc Levesque  
CenterLine (Windsor) Ltd.  
Windsor, Ontario Canada*

### **CENTERLINE (WINDSOR) LIMITED HIRES BUSINESS DEVELOPMENT MANAGER**

CenterLine (Windsor) Ltd. is very pleased to announce that Dennis Horoschak has joined as Business Development Manager responsible for the Southeastern United States region. Dennis is a proven senior level manager with over twenty-five years of sales, engineering and marketing experience involving local, national and international automation projects. His most recent experience was Director - Chrysler Global Sales for Robert Bosch Corporation (Rexroth Group). He's also held sales and account management positions with Square D Company, Motion Control Corporation, Siemens Energy & Automation and Mitsubishi Electronics America.



Dennis' knowledge of machinery automation and advanced controls systems will be of great value in assisting CenterLine's customers in selecting and integrating CenterLine's complete range of metal joining and coating products, systems and services.

*Submitted by Marc Levesque  
CenterLine (Windsor) Ltd.  
Windsor, Ontario Canada*

### **CENTERLINE (WINDSOR) LIMITED HIRES GENERAL MANAGER FOR SUPERSONIC SPRAY TECHNOLOGIES DIVISION**



CenterLine (Windsor) Ltd. is very pleased to announce that Doug Matton has joined as General Manager, Supersonic Spray Technologies Division. Doug has had a diversified and productive career spanning twenty-five years, that includes seventeen years in the automotive part and systems supply sector concentrating on Powertrain and External Body Parts applications and, most recently, six years in custom factory automation. He's held positions ranging from Process and Controls Engineering to Plant and Executive Management. Doug has significant experience in Process and Product Development and Research & Development. He has worked for companies supplying both automotive and non-automotive industries. Doug's wealth of knowledge and industry insight will greatly assist CenterLine in its ongoing development of CenterLine's leading edge cold-spray technology products, systems and services.

*Submitted by Marc Levesque  
CenterLine (Windsor) Ltd.  
Windsor, Ontario Canada*

## **NRC-IRAP CONTRIBUTES TO CENTERLINE (WINDSOR) LTD.**

CenterLine (Windsor) Ltd. is pleased to announce that it has received a contribution from the National Research Council Canada Industrial Research Assistance Program (NRC-IRAP). CenterLine will receive approximately \$400,000 over one and a half years in support of CenterLine's efforts to develop a novel solid state spraying process. This new project represents yet another milestone for solid-state spraying. This novel method allows the spraying of harder materials such as titanium, steel, nickel, and cermets at incredible deposition efficiencies and rates while being more cost effective than current high pressure cold spray technology.

*Submitted by Marc Levesque  
CenterLine (Windsor) Ltd.  
Windsor, Ontario Canada*

## **CENTERLINE RELOCATES THEIR PRODUCTION OF COLD-FORMED ELECTRODE CAPS**

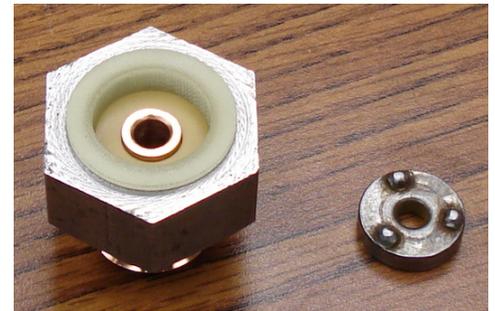
CenterLine (Windsor) Ltd. has begun the process of relocating the production of cold-formed electrode caps from US Electrodes in Telford, Pennsylvania, to their Electrodes and Allied Products facility in Windsor, Ontario, Canada. The transition is expected to be completed in Q4 2009. The staff at US Electrodes are engaged in the transition and will continue to perform some finishing operations and distribute product for the US market.

*Submitted by David Beneterau  
CenterLine (Windsor) Ltd.  
Windsor, Ontario Canada*

## **MODULAR HEAD PATENT-PENDING PUBLISHED**



Huys has three patents pending, and is pleased to announce, the publishing of the modular head patent; variants of which can ensure against nuts missing from the welding operation *or* being welded upside down. Besides reducing consumable costs significantly with the inexpensive replaceable washer, the Huys system uses no external sensors or



needs any controls to adjust. In addition, the base and the lock nut are standardized for ease of maintenance. Truly, it is the smartest electrode. Systems are now available with 'easy to use wrenches' and the means to identify different identifying pin diameters.

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

## **LUVATA OHIO INTRODUCES NEW PRODUCT LINE**

Luvata Ohio, Inc. introduces its new product line of Contact Tips available in a variety of alloys including Dispersion Strengthened Copper (DSC), Copper Chrome Zirconium (CuCrZr), Silver Bearing Copper (CuAg) and Deoxidized Phosphorus Copper (DHP). For more demanding welding applications our DSC tip provides up to 5X the life of a standard DHP contact tip. The DSC tip maintains its hardness at elevated temperatures and has excellent wear characteristics.

*Submitted by Susan Porter  
Luvata Ohio, Inc.  
Delaware, Ohio*

## 55,000 SQUARE FEET ADDED TO NATIONAL BRONZE & METALS' WAREHOUSE



National Bronze & Metals, Inc. (NBM) is known to have always maintained a complete product line of RWMA Class I, II, III, and IV alloys in bar stock and has readily made available wire in coils on order for clients. NBM has now furthered its commitment to the resistance welding industry with the recent addition of 55,000 square feet of warehouse space to stock copper alloy sheet & plate. Specific to the industry, we have in-stock RWMA Class 2 - C18150 (Copper Chrome Zirconium) plate in 1" - 3" thickness (and a wider range for made to order sizes). The new space is home to a brand new state of the art plate saw for servicing cut to size orders. Most orders can be processed within one day.

*Submitted by Nilo Aranzamendez  
National Bronze & Metals, Inc.  
Houston, Texas*

## SCIACY JOINED SUPPLIER EXCELLENCE ALLIANCE

Sciaky has recently joined the Supplier Excellence Alliance, or SEA. Other member companies include Lockheed Martin, Northrop Grumman, UTC, Honeywell, and Pratt and Whitney, just to name a few. Sciaky has also invested significant resources in updating its facility and equipment in order to better serve its customers. They have also hired several new engineers and support staff to keep up with the growth they've seen across their Fusion, Resistance, and Electron Beam sectors. Research and Development continues to produce great strides forward in their EB FFF process.

*Submitted by Mike Cubert  
Sciaky, Inc.  
Chicago, Illinois*

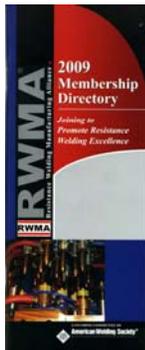
## NEW CONFIGURATIONS AT WATTEREDGE, INC.



Watteredge, Inc., has recently reconfigured our small cable department (air-cooled, water-cooled and kickless cables, plus our specials line of products), through the efforts of our industrial engineer, Subash Shrestha. Not only has this made Watteredge more efficient, they are also enacting LEAN manufacturing principles. Mr. Shrestha is the coordinator for this project as well. Mr. Shrestha has been with Watteredge since November, 2007, and has a Master of Science degree from Cleveland State University.

*Submitted by Ed Langhenry, Jr.  
Watteredge, Inc.  
Avon Lake, Ohio*

## RWMA 2009 MEMBERSHIP DIRECTORY



The RWMA 2009 Membership Directory is available. Contact Susan Hopkins at [susan@aws.org](mailto: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.

Work will begin on the 2010 Membership Directory soon. Be sure to check your company's listing carefully for any changes. Once again, we will offer our members the opportunity to place an advertisement in the Directory. Prices for ads will remain the same, as they have for the past four years. Remember, this is a very inexpensive way to advertise your company, and their products.

## 2009 IMAGE OF WELDING AWARDS

The American Welding Society is currently accepting nominations for the 2009 Image of Welding Awards. Deadline for nominations has been extended to July 17, 2009.

### ABOUT THE AWARDS:

The Image of Welding awards are issued in seven categories. The awards recognize individuals and organizations that have shown exemplary dedication to promoting the image of welding in their communities. Nominations will be judged by the Welding Equipment Manufacturers Committee (WEMCO), which is composed of executives of welding industry suppliers to promote the welding equipment market. Enhancing the image of welding as a critical industry is among their priority programs. The winners will be announced at the Image of Welding Awards Ceremony to be held during the FABTECH International and AWS Welding Show on November 15-18, 2009, at the McCormick Center in Chicago, Illinois.

### The nomination categories are:

- Individual
- Section (AWS local chapter)
- Large Business (200 +employees)
- Educational Facility
- Distributor (welding products)
- Educator
- Small Business (less than 200 employees)

If you would like to nominate one of your peers for the 2009 Image of Welding Awards, please complete the attached nomination form, and send it via e-mail to: [image@aws.org](mailto:image@aws.org); or, you can also send it via fax to: 305-443-1552.



## **AWS 7<sup>th</sup> Annual Image of Welding Awards Nomination Form**

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**Three easy ways to nominate:**

**Email Form to:** [image@aws.org](mailto:image@aws.org)  
**Fax form to:** (305)443-1552  
**Mail Form to:** AWS-Image Awards  
550 NW LeJeune Road  
Miami, FL 33126

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**DEADLINE: JULY 10, 2009**

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**ABOUT THE AWARDS:**

The Image of Welding awards are issued in seven categories. The awards recognize individuals and organizations that have shown exemplary dedication to promoting the image of welding in their communities. Nominations will be judged by the Welding Equipment Manufacturers Committee (WEMCO), which is composed of executives of welding industry suppliers to promote the welding equipment market. Enhancing the image of welding as a critical industry is among their priority programs. The winners will be announced at the Image of Welding Awards Ceremony to be held during the FABTECH International and AWS Welding Show on November 15-18, 2009, at the McCormick Center in Chicago, Illinois.

**SUBMISSION DIRECTIONS:**

Please e-mail this completed form to [image@aws.org](mailto:image@aws.org). You may also print and mail-in your nomination to AWS Image of Welding Awards, 550 NW LeJeune Road, Miami, Florida, 33126. For questions and other requests, please call AWS toll-free at 800-443-9353.

**FORM DIRECTIONS:**

To nominate an individual, group or organization for an award, please complete the below form. Fields marked with an \* are required.

**DATE:**

**About You/Nominator**

\*Name: \_\_\_\_\_

\*Street Address: \_\_\_\_\_

\*City: \_\_\_\_\_

\*State: \_\_\_\_\_

\*Zip: \_\_\_\_\_

\*Phone Number: \_\_\_\_\_

\*E-mail: \_\_\_\_\_

**REMEMBER! Until this form is saved and sent via email attachment, fax or mail, the entry has not been officially submitted!**

**About the Nominee**

\* Name/Contact: \_\_\_\_\_

\*Company/Organization: \_\_\_\_\_

\*Street Address: \_\_\_\_\_

\*City: \_\_\_\_\_

\*State: \_\_\_\_\_

\*Zip: \_\_\_\_\_

\*Phone Number: \_\_\_\_\_

\*E-mail: \_\_\_\_\_

**\*Nomination Category:**

Individual

Section (AWS local chapter)

Large Business (200 +employees)

Educational Facility

Distributor (welding products)

Educator

Small Business (less than 200 employees)

**\*About the Nominee:**

*(Please explain the nominee's industry qualifications and career background.)*

**\*Reason for Nomination:**

*(Please explain any efforts of the nominee that would merit an Image of Welding award. Specifically, we are looking for activities that demonstrate exemplary dedication to the promotion of the image of welding.)*

--- END ---

**REMEMBER! Until this form is saved and sent via email attachment, fax or mail, the entry has not been officially submitted!**

## CALENDAR OF EVENTS

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](mailto:susan@aws.org), and we'll make sure it gets in the next issue.

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## RWMA 2009 OFFICERS & COMMITTEE CHAIRS

### RWMA Executive Committee

RWMA Chair - Roger Hirsch, Unitrol Electronics

RWMA 1<sup>st</sup> Vice Chair - Wade Burnette, NSRW, Inc.,

RWMA 2<sup>nd</sup> 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.

# RWMA 2009 SPRING MEETING PHOTO GALLERY



(L-R) Chris Breidenbaugh, KVA, Roger Hirsch, Unitrol Electronics, David St. Amour, NGK Metals, and Nigel Scotchmer, Huys Industries



Bill Lukens, Stillwater Technology and Ed Langhenry, Jr., Watteredge, Inc.



Bron Zienkiewicz, Freeport-McMoRan Copper & Gold, and Rocco Capozzi, Cadi Company



Jack Smith, Cybersmith Engineering, Tom Snow, T.J. Snow Co., and Nick Smith, Cybersmith Engineering



Ron Leibovitz, Unitrol Electronics, and Don Grisez, Dengensha America Corp.



Joe Krall, AWS and Bob Kerr, Banner Welder, Inc.



Jeff Weber, AWS, & Mark Gramelspacher, CMW Inc.



J.P. Derdeyn, Techno Control Cybernetics visiting the Wright-Patterson Air Force Museum



Jeff Schemel, CMW Inc., and Don Maatz, RoMan Engineering Services

To view more photographs from the 2009 Spring Meeting log to [www.aws.org/rwma/events/S09](http://www.aws.org/rwma/events/S09)