

## MESSAGE FROM THE CHAIR

We, as an industry, do a poor job of educating our customers. At least that is what seems to be the case. I am sure that you all have received phone calls from “experienced” resistance welding users asking really dumb questions.

The reason that this is bothersome to me is that lack of knowledge leads to poor welding results. Poor welding results drive companies away from the resistance welding process and into other joining methods. While the industry seems to be coming out of the recession, we cannot afford to lose even one manufacturer as a customer.

I did a welding seminar for a company a few months ago and was working in a conference room with 12 people from the plant. Five were setup people; the rest were maintenance and management. The first question they came up with was (and I am not kidding) ‘can you explain what SQUEEZE time does?’ This question was asked by one of the experienced set-up people.

A week after the seminar, I received an e-mail from the lead set-up person that said, “I have been setting spot welders for over 32 years and never had any training. Your seminar showed me why we were seeing broken welds and also why our electrodes had to be changed every hour. We are now looking at changing our hinge joining from rivets to spots. I wish you had come here years ago.”

**So here is my challenge to you.** If you do not already offer some form of resistance welding training (seminars, etc.) to your customers, strongly consider doing so. Or, at least show them that good information is available in the RWMA welding handbook. This will both lead to improved welding results (quality, volume, appearance), and also act as a really good marketing tool for your company. I have taught many resistance welding seminars over the years and can tell you that in most cases the welding departments of my “students” not only improved their weld quality but they also found new applications that were previously done by other joining methods.

**Confidence in the process leads to more applications. And you can take that to the bank!**



*Roger Hirsch*  
RWMA 2009-2010 Chair

## WELCOME NEW RWMA MEMBERS



After selling a wide range of resistance welding equipment to Canada, the United States and Mexico for several years, the new company NIMAK Braeuer North America Inc. was founded in January 2010.

Their core business for North America is to sell and service innovative and modern welding guns and high quality welding machines for automated processes.

Furthermore, they established NIMAK-service-hubs in several automotive manufacturing regions with well-trained NIMAK employees to guarantee a fast and professional service to their customers.



(L-R) Johann Ecker, Vice President – Managing Director with Alexander Nickel, President at the 2010 FABTECH Show

To ensure a fast delivery of spare parts NIMAK Braeuer North America produces several spare and consumable parts in the USA.

Visit their website at [www.nimak.us](http://www.nimak.us).



Since 1958, Guild International offers a complete line of coil end welders for almost any application. Their patented product line includes Zipwelders(TM), resistance welders, semi-automatic shearwelders, and strip accumulators including Supercoils®, Superloops(TM) and Continuous Coils. Guild also produces a full line of rotary and cropshears along with uncoilers, speed funnels, and flatteners. Plus, their team of engineers can help determine the needs and ensure proper equipment design and compatibility with a company's existing equipment.

Visit their website at [www.guildint.com](http://www.guildint.com).



### MECHELONIC WELDERS PVT, LTD.

Mechelonic Welders Pvt., Ltd., provides contemporary resistance welding technology and solution to their customers that are build to global standards, specification and performance through their strong foundation of "KNOW WHY" principle. Their products are designed around five elements, through which their customers enjoy the best of ROI. They are: productivity, quality, safety, reliability and technology.

Visit their website at [www.mechelonic.com](http://www.mechelonic.com).

## RWMA 2011 ANNUAL MEETING

### MARK YOUR CALENDARS AND SAVE THE DATE:

February 24-26, 2011

PGA NATIONAL RESORT & SPA, Palm Beach Gardens, Florida



### “Opportunities in the Energy Sector”

In the wake of the Deepwater Horizon Oil Spill, and the countries continued demand for oil and gas, America is now beginning to center its attention on natural, nuclear, and renewable energy as alternatives.

As we try to reduce our dependence on fossil fuel, the use of solar energy systems will continue to rise exponentially. Solar collectors used in this technology are efficiently joined by resistance seam welding.

“Green” energy is the economy’s focus, and many companies and organizations are shifting towards that direction. As a result, “green” jobs and technologies have led to a variety of opportunities in the welding industry.

Joining the ongoing initiatives, WEMCO and RWMA will spend three days discussing this timely matter. There will be enlightening presentations from key leaders in this sector, as well as in the welding manufacturing, and resistance welding fields. Don’t miss the opportunity to attend this 3-day annual meeting where present and future trends will be examined, and ways to capitalize on opportunities that would be most beneficial to the company members and guests will be explored.

### RWMA Schedule of Events

#### THURSDAY, FEBRUARY 24, 2011

7:00 a.m. - 8:00 a.m.	Breakfast: Governance Committee Members
7:30 a.m. - 8:00 a.m.	Registration for Meeting Attendees & Thursday Golf
8:00 a.m. - 11:30 a.m.	Governance Committee Meeting
11:30 a.m. - 12:30 p.m.	Registration for Meeting Attendees & Saturday Golf
12:00 p.m. - 1:00 p.m.	Lunch: Governance Members
12:30 p.m. -	Golf on Champion – Tee ( <i>lunch provided on course</i> )
1:15 p.m. - 3:15 p.m.	CCRW Meeting (AWS Certification)
1:15 p.m. - 3:15 p.m.	C1 Committee (AWS Technical)
1:15 p.m. - 3:15 p.m.	Membership Committee Meeting * Membership Recruitment Subcommittee
3:15 p.m. - 3:30 p.m.	Networking Break
3:30 p.m. - 5:15 p.m.	Education Committee Meeting RWMA Bulletin C – How to Select a Resistance Welding Machine Workgroup
6:30 p.m. - 8:30 p.m.	Annual Meeting Welcome Reception Cocktails & Hors d' oeuvres

#### FRIDAY, FEBRUARY 25, 2011

7:00 a.m. - 8:00 a.m.	Meeting Attendee Breakfast
7:30 a.m. - 8:00 a.m.	Registration: Meeting/Saturday Golf
8:00 a.m. - 9:00 a.m.	Presentation by William J. Kroll President, Chairman and CEO Matheson Tri-Gas
9:00 a.m. - 10:00 a.m.	Presentation by Joe F. Colvin President and CEO Nuclear Energy Institute (NEI)
10:00 a.m. - 10:30 a.m.	Networking Break
10:30 a.m. - 11:30 a.m.	Presenter: To Be Determined
11:30 p.m. - 1:00 p.m.	Meeting Attendee Lunch
1:00 p.m. - 2:30 p.m.	Marketing Committee/Subcommittee Updates * Website * Newsletter



Colvin holds a bachelor's degree in electrical engineering from the University of New Mexico, has completed advanced studies in nuclear engineering, and is a graduate of Harvard University's Advanced Management Program. He is a registered professional engineer.



**Alan Beaulieu**  
**President and Economist**  
**Institute for Trend Research (ITR)**

***One of the country's most respected business cycle economists.***

Alan Beaulieu is one of the most popular and influential sought-after keynote speakers, appearing at 160 business conferences a year. He successfully predicted both the housing downturn and the current "Great Recession" almost three years before they occurred. His influential forecasting company, the Institute for Trend Research (ITR), has a remarkable 96% accuracy rate and 60 years of correct calls.

***A rare economist who offers real action plans beyond the analysis.***

Beaulieu goes beyond the numbers to help senior executives see exactly where they are in the business cycle and what they need to do to profit from emerging trends. Alan always leaves key decision makers with specific, actionable answers to today's formidable business challenges.

RWMA has been able to secure a special group rate at the PGA National Resort and Spa at \$179 per night. The resort fee has also been waived. However, the room block is limited; therefore, you will want to register now, and be sure to include your arrival and departure dates.

Register online at: <http://www.aws.org/wa/registrations/conference.html?type=RCF>

## NEW RWMA PROMOTIONAL DVD



RWMA (Resistance Welding Manufacturing Alliance) produced a promotional DVD on the resistance welding industry. It highlights the basics of resistance welding as a process, and its opportunities and growth potential. This DVD is now available to accredited instructors for free! It would be a terrific introduction tool for your classroom regarding all elements of resistance welding. It is fast moving and informative, with extraordinary visuals. It also promotes resistance welding as a potential career path for students. This tool will provide tips for implementing resistance welding into a school's curriculum, and includes information on 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.

## INTRODUCTION TO RESISTANCE WELDING DVD

RWMA also highly recommends the "Introduction to Resistance Welding" DVD. This comprehensive training video illustrates technique, control, and application. Covers spot, projection, seam, and flash/butt welding. It explains the basic principles, machine components and setup, electrodes, tooling, controls, and transformers. It is ideal for classroom and seminar use, and for introducing and training a company's personnel on resistance welding. (Order Code: RWVID - Price \$415 non-members, or \$320 for members.)

## 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).

## RWMA COMMITTEES

### **Join an RWMA Committee**

RWMA offers its members ample opportunities to become more involved by joining one of its committees. Committee members work independently on various issues, yet collectively strive toward one common goal: to promote Resistance Welding Excellence.

The committees are divided into four active sectors that address various issues within the industry; Membership, Technical, Marketing and Education.

We have made it very easy for you to become involved. Meetings are now held through teleconferences by calling a toll-free number. Be part of keeping the resistance welding process in the forefront of the industry. Teleconference dates are below. E-mail Susan Hopkins, RWMA Manager at [susan@aws.org](mailto:susan@aws.org) or call 800-443-9353, ext. 295, to find out how you can be one of the members who help make a difference.

## AWS TECHNICAL COMMITTEE UPDATES

**J1 Committee.** The AWS J1 Committee on Resistance Welding Equipment is close to publishing the Resistance Welding Pocket Handbook, which is meant to supersede the old RWMA “Quickie” Guide. The members are also involved in several ongoing projects such as the AWS J1.1/J1.1.M, Specification for Resistance Welding Controls, to be approved by ANSI, and also the AWS J1.2/J1.2M, Guide to Installation and Maintenance of Resistance Welding Machines. David Beneteau from CenterLine (Windsor) chairs this committee. Their next face-to-face meeting is scheduled for February 25, 2011, in conjunction with the RWMA annual meeting.

Individuals who are interested in participating in the development of resistance welding equipment standards can obtain additional information on the J1 Committee activities by contacting the J1 Secretary, Annette Alonso by phone (800-443-9353 x 299) or Email ([aalonso@aws.org](mailto:aalonso@aws.org)).

**CCRW Subcommittee.** The AWS-Certified Resistance Welding Technician (CCRW) subcommittee held an online-teleconference meeting on July 30<sup>th</sup>, 2010 to discuss the group’s ongoing efforts towards completing the task of developing the (100) multiple-choice questions needed to build the AWS-Certified Resistance Welding Technicians (CRWT) exam. The group agreed to complete this task before the end of this year, in order to submit the (100) questions to the members of the Exam Bank (CCEB) subcommittee for review during their next scheduled meeting at AWS headquarters in Miami, FL on January 17<sup>th</sup>, 2011.

The AWS-QC20 “Specification for AWS Certification of Resistance Welding Technicians” draft document was successfully balloted this summer to AWS-Certification Committee members, who, after careful review, approved the current draft document, and provided several comments along with their proposed resolutions which were forwarded to CCRW subcommittee Chair Frederick and Vice-chair Maatz for review.

The next steps towards moving the CRWT program forward are to finalize the development of the (100) CRWT exam questions before year's end, and resolve the QC20 draft document comments & proposed resolutions submitted by the Certification Committee members.

For more information concerning the AWS-CCRW subcommittee, please contact AWS-CCRW Secretary, Frank Lopez Del Rincon at: 1(800-443-9353 x 211), via e-mail [flopez@aws.org](mailto:flopez@aws.org)

**C1 Committee.** The AWS C1 Committee on Resistance Welding will be meeting on February 24, 2011 in Palm Beach Gardens, FL, in conjunction with the RWMA annual meeting. The committee is currently working on revising the AWS C1.1M/C1.1, Recommended Practices on Resistance Welding and is currently seeking and reviewing comments on the next draft. There will be a virtual telephone meeting in November to discuss the latest revisions. Two other projects are also in their preliminary stages: the next edition of AWS C1.4M/C1.4, Specification for Resistance Welding of Carbon and Low-Alloy Steels; and a new work item entitled Designers Guide for Resistance Welding, brought forth by the RWMA Technical Committee. Nigel Scotchmer from Huys Industries chairs the committee.

If you are interested in participating on the C1 Committee or if you would like more information on their projects, please contact Annette Alonso, Secretary to C1, by email ([aalonso@aws.org](mailto:aalonso@aws.org)) or by phone (800-443-9353 Ext. 299).

## RWMA BULLETIN 34

The RWMA Executive Committee formed an AdHoc Committee, with Greg Chambers appointed Chair, to verifying the current information in the antiquated information in Bulletin 34. Bulletin 34 is a cross reference of Resistance Welding consumables, primarily electrodes, shanks and adapters, by material type and manufacturer. The bulletin lists parts by the part family/category, using the RWMA part numbers as the bench mark, and includes the taper, alloy and a simple description, followed alphabetically by the manufacturers and their corresponding part number.

Bulletin 34 was last printed in 1997. Thus, the goal of the committee reviewing this bulletin is to assure that the information currently in the bulletin is accurate, and then to expand the bulletin with new information that is pertinent and relevant. Examples of new information to consider for inclusion are new manufacturers, part designs/tapers and materials.

The committee is looking for participants that can confirm the accuracy of existing information and provide information on new parts to be considered for inclusion in the next publication. The first official meeting of this committee will be during the annual meeting in Palm Beach Gardens, Florida, on February 24 – 26, 2011. Communication prior to this meeting can be sent to Greg Chambers, Committee Chair, at [Greg.Chambers@luvata.com](mailto:Greg.Chambers@luvata.com).

## 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](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).

## FROM THE FIELD



Submitted by: Chris Breidenbaugh  
President  
KVA Resistance Welding Supply  
Bellcamp, Maryland

### Problem: Machine Won't Weld

I received a request to inspect a press type welding machine that was no longer welding.

The machine appeared normal. This particular machine had a water cooled welding cable as the connection between the transformer and the upper weld head. I quickly checked for continuity between the upper and lower heads and found that to be normal. A voltage check at the weld transformer showed nominal voltage, but there was little or no voltage between the weld electrodes.

Keeping one probe on the transformer, I then moved my second probe back one component at a time. Eventually, I was down to the last component, the water cooled cable. I was reading full voltage across the cable. Since a welding cable is basically one long piece of copper, there should be no voltage drop from one end to the other. There was no visual discoloration or damage present which would indicate a fault. The next step was to "dissect" the cable by removing the rubber casing. On the inside we found that the copper conductors had burned completely in two. After discussing the situation with the plant personnel we learned that the machine had been operated without water cooling. The problem had been operating without water. This had caused the cable to overheat and then fail.

We replaced the cable, checked for proper water flow and the machine is operating as expected.

## DID YOU KNOW?



Submitted by Ron Leibovitz  
Unitrol Electronics, Inc.  
Northbrook, Illinois

Many times I receive a call from a customer complaining that the welder will not fire and they can't weld. They often ask me if that means that the SCR contactor is bad or that they have already replaced the SCR and found out that it did not solve the problem.

Did you know it is extremely rare for an SCR contactor to fail in the open position and keep a welder from firing? Most often an SCR fails in the shorted position and the welder will fire continuously and usually causes a large amount of expulsion (sparks) at the electrodes as soon as the electrodes are close enough to begin arcing.

There are a couple of fast and easy tests you can make to determine if the SCR is in fact shorted.

1. Measuring AC voltage across the lugs of the SCR while the welder is POWERED ON but, not welding should read primary line voltage. If this voltage is zero or nearly zero then the SCR is shorted and needs to be repaired or replaced.
2. Measuring resistance across the lugs of the SCR while the welder is POWERED OFF should read mega ohms. If the resistance is very low then the SCR is shorted and needs to be repaired or replaced.

## RWMA Q&A COLUMN



Check out the September 2010 and November 2010 issues of the AWS *Welding Journal*. RWMA Technical Committee Vice Chair Don Maatz, was the September author, and Tom Snow, Vice Chair of the RWMA Education Committee, was the November 2010 author of the **RWMA Q&A column**. This column appears every other month in the *Welding 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).

## FABTECH INTERNATIONAL & AWS WELDING SHOW



Hopefully you had the opportunity to attend the FABTECH Show Tuesday, November 2 - 4, in Atlanta, Georgia, at the Georgia World Congress Center.

This is the largest event in North America dedicated to showcasing a full spectrum of metal forming, fabricating tube and pipe and welding equipment technology.

## RWMA CONTACT BOOTH AT FABTECH

RWMA had a contact booth during the FABTECH Show. Thanks to all those who stopped by to say hello. A special “*thank you*” to all our members who volunteered their time at the booth, sharing their expertise to promote the resistance welding process, as well as answer questions.

Over 50 copies of the RWMA information DVD were handed out at the booth. Attendees had the opportunity to view it, as it was playing throughout the entire show. RWMA Membership Directories were available, along with RWMA membership information, as well as information on the upcoming RWMA Annual meeting.

Attendees were able to take a chance to win a copy of the *Resistance Welding Manual, 4<sup>th</sup> edition* by dropping their business card in the fishbowl at the booth. The winner will be announced shortly.

## RWMA WELDING SCHOOL TABLETOP EXHIBITS

The following RWMA member companies took advantage of the opportunity to reach students who attended the Emmet A. Craig Resistance Welding School in Atlanta, by having a tabletop exhibit on Wednesday, November 3, 2010.

**Banner Welder, Inc.; Huys Industries, Ltd.; Luvata Ohio, Inc.; Matuschek Welding Products; NSRW, Inc.; Obara Corp.; Southern Copper & Supply Co.; T. J. Snow Company; Tuffaloy Products/ENTRON Contols, LLC; and CMW Inc.**

## 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. They provide 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).

## RWMA JOINS FACEBOOK



RWMA is now on the popular, social networking site, Facebook. On the site, RWMA has been established as a fanpage that visitors can join. Becoming a part of the networking site increases RWMA's visibility.

Become a fan, and we will keep you informed of all the current happenings within the Committee. If you have any suggestions to make this page more useful, do not hesitate to contact Susan Hopkins, RWMA Manager at [susan@aws.org](mailto:susan@aws.org).

## 6<sup>th</sup> INTERNATIONAL SEMINAR ON ADVANCES IN RESISTANCE WELDING

The 6<sup>th</sup> International Seminar on Advances in Resistance Welding was held in Hamburg, Germany, in late September 2010. Eighty professionals from seventeen countries around the world attended. Particularly interesting were the key note speech of "the Wonderful World of Resistance Welding" by Prof. Greitmann, and an update on the European Union's initiative to automate and optimize the resistance welding process with their Xpress Project. In addition, there were other papers on adaptive welding controls, simulation software, welding challenging and complex materials, aluminum, equipment advances and process applications. The next seminar, the 7<sup>th</sup>, will be held in Busan, Korea, in 2012. Please contact Nigel Scotchmer at [nscotchmer@huysindustries.com](mailto:nscotchmer@huysindustries.com) for more information.



There have been great demands from industry to follow through with the recent advances and to update users with the technology available in the field of resistance welding. In order to meet the demands of industry, a series of international seminars on Advances in Resistance Welding have been initiated by SWANTEC since 2000 and now organized as a biennial activity of the Innovative Resistance Welding Network – INNOWELD.NET.

The 6th seminar will be organized by SWANTEC and Harms-Wende on September 22nd -24th 2010 in Hamburg, Germany. Approximately 20 lectures will be given by invited experts in the field of resistance welding from leading institutes and companies to cover the latest inventions and developments in resistance welding with special emphasis on adaptive welding controls and applications for challenging materials which are difficult to weld e.g. aluminum alloys and advanced high strength steels, etc.

Find the program of the 6th International Seminar on Advances in Resistance Welding at: [http://www.swantec.com/6th-Seminar-2010\\_Announcement\\_Preliminary-Program.pdf](http://www.swantec.com/6th-Seminar-2010_Announcement_Preliminary-Program.pdf)

## RWMA MEMBER NEWS

### CENTERLINE (WINDSOR) LIMITED HIRES CORPORATE PURCHASING MANAGER



CenterLine (Windsor) Ltd. is very pleased to announce that Mr. Steve Markoc has joined CenterLine as Corporate Purchasing Manager. Steve has over 16 years of experience in the automotive industry. His most recent position was with Concours Mold in their Purchasing Department. Steve also spent over 12 years as Corporate Purchasing Manager at The Windsor Machine Group. During his time at Windsor Machine he concurrently managed the Human Resources department. Steve has enjoyed a number of accomplishments including assistance in launching six new plant start ups and negotiating 21 collective agreements in Canada and the US. His industry experience will greatly assist CenterLine in its ongoing growth and diversification.

### CENTERLINE (WINDSOR) LIMITED PRESENTS ITS COLD SPRAY JOB SERVICE AWARD



CenterLine (Windsor) Limited's, **Supersonic Spray Technologies Div. (SST™)**, is pleased to announce that **Accuwright Industries Inc.** of Gilbert, AZ is the 2010 recipient of its **Cold Spray Job Shop Service Award** in recognition of Accuwright's excellence in the utilization and development of Cold Spray technology.

The award was presented on September 27, 2010 during the TSS Cold Spray Conference held in Akron Ohio. Mr. David Wright, president of Accuwright Industries accepted the award on behalf of his company.

Accuwright Industries, Inc. is a full service metal spray facility utilizing state-of-art robotics and controls for precision Cold Spray applications. It is a recognized industry leader in developing unique and practical applications for Cold Spray technology to repair and restore a variety of high value aerospace components. Among the processes that Accuwright specializes in are corrosion mitigation/protection, dimensional restoration and casting repairs.

CenterLine is very pleased to recognize Accuwright's ongoing dedication to advancing Cold Spray technology with this award.

SST™ supplies a full range of patented low-pressure cold gas dynamic spray (Cold-Spray) metal coating systems for the aerospace, defense, glass and automotive industries.



Cold spray is a cost effective and practical coating process that enables users to apply robust metal coatings to a wide range of surfaces without excessive heat. Coating characteristics include extremely low oxide entrapment, high densities and high bond/cohesive strengths. The coatings are also extremely machine-able, have thin or thick build characteristics and are accepting of dissimilar materials with no galvanic reactions.

## **JANDA WELCOMES NEW GENERAL MANAGER TO THEIR TEAM**



Janda Company, Inc. is pleased to announce the appointment of Martin Theodosis to the position of General Manager. Martin has a Bachelor's degree in Production Management from Polytechnic State University, San Luis Obispo, CA and brings 17 years experience in manufacturing engineering, manufacturing management and engineering management from the aerospace and automotive industries. Martin's goal is to use his extensive experience to bring Janda to a faultless level of manufacturing quality and efficiency in the service of our clients. Being part of the Janda team has been in Martin's sights for many years, and we are proud to welcome him aboard!

## **CONGRATULATIONS DAN MAZEROLLE AND NIGEL SCOTCHMER, HUYS INDUSTRIES**



Dan Mazerolle has been promoted to Technical Sales Manager at Huys Industries, reflecting his seven years of leadership and dedication with the Huys Industries sales team.



Nigel Scotchmer, President of Huys Industries, has been awarded the George E. Willis Award of the American Welding Society for his work in promoting international standardization.

## **HAPPY ANNIVERSARY DENGENSHA AMERICA**

Dengensha Manufacturing Co., Ltd., and Dengensha America celebrated two landmark anniversaries in 2010. With 75 and 25 years, respectively, spent in the resistance welding industry, Dengensha has grown from a small operation in Kawasaki, Japan, to a global leader in the industry, with affiliates in the U.S., Indonesia and the U.K., and distributors in many other countries. The company is looking forward to spending many more years providing excellent service and equipment to their customers around the world.



Dengensha America, the North American sales and service branch of Dengensha Manufacturing, is wrapping up the year with an exciting display at the 2010 FABTECH show in Atlanta featuring, among many products, their new NDZ stationary spot welder. Attending her first AWS trade show is Dengensha's new marketing coordinator, Samantha Pirc. An Ohio University graduate, she is excited to be part of the team at Dengensha America. Among her general marketing duties, Samantha is helping Dengensha continue work on a website redesign that will make the company's online presence reflect their top-of-the-line equipment, service and business standard.

## **TAYLOR-WINFIELD CORPORATION SELLS ASSETS TO THE BRILEX GROUP OF COMPANIES**

The current owner and main shareholder, our Chief Executive Officer of The Taylor-Winfield Corporation is retiring after nearly fifty (50) years of service to the company. As part of his planned succession, he has sold the assets of the corporation to two very successful local businessmen by the name of Alex and Brian Benyo. The transaction was finalized on October 15, 2010, and secures the long-term future of the company. Alex Benyo is our new President.

Alex and Brian own several companies in this region including Brilex Industries ([www.brilex.com](http://www.brilex.com)) which has done all the major fabrication work for Taylor-Winfield for over ten years. They have a close relationship with our CEO and old Taylor-Winfield. This is a friendly win-win transaction for our CEO and

the new owners. The new corporation, Taylor-Winfield Technologies, is well funded and will retain all the capabilities of old Taylor-Winfield, and be able to offer more to our customers. This is a very exciting time for all of us at Taylor-Winfield, and the future looks very bright for Taylor-Winfield Technologies.

### **WATTEREDGE, INC., GOES SOLAR**

Watteredge Inc., has started generating electricity from its 100 kilowatt solar power installation on its roof. As part of its product line expansion, Watteredge produces cables and electrodes for the equipment that melts polysilicon material, the key component of solar panels.

“We’re redoubling our commitment to the solar industry by generating solar power on our own roof,” said Jim Campisi, plant manager at Watteredge. “We’re excited to get started.”

The newly installed solar system is expected to provide its host company with more than 110,000 kilowatt hours of clean electricity each year.

Watteredge demonstrates how on-site solar can work well for manufacturing companies around Ohio and the country.

## **RWMA 2011 MEMBERSHIP DIRECTORY**

**The 2011 RWMA Membership Directory will be available on January 1<sup>st</sup>.**



Have you submitted your changes yet? Be sure to contact Susan Hopkins at [susan@aws.org](mailto:susan@aws.org) to submit any changes by November 12. Read your company’s listing in the 2010 Membership Directory to see if everything is the way you want it to appear. If there are NO changes to be made, e-mail Susan and let her know that “No changes are needed.”

If you would like to place an ad in the Membership Directory reserve your spot today! We have had an increase in ads from 2010. In 2010, 19 RWMA companies advertised. So far, in 2011, 23 RWMA member companies have taken advantage of the opportunity.

Advertising prices have remained the same for over 7 years. **If you are an RWMA member and haven’t already requested to advertise in the 2011 Membership Directory, it’s not too late!** Contact Susan at 800-443-9353, ext. 295 and she will reserve your special advertisement location within the directory. Remember, this directory is available at ALL shows where AWS and RWMA participate. It is also available on the RWMA website to download, as well as sent with all RWMA member prospect packages and resistance welding inquiries.

**Advertisement prices are listed as follows:**

**Full page ad: \$600**  
**Half page ad: \$400**  
**Business card: \$250**

## **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.**

## RWMA OFFICERS AND 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

### **Copper Products Division**

Representative, Greg Chambers, Luvata Ohio, Inc.  
Alternate Representative, Dan Wellman, Obara Corp., USA

### **Components Division**

Representative, Dan Uszynski, CenterLine (Windsor), Ltd.  
Alternate Representative, Jean-Pierre Derdeyn, Techno-Control Cybernetic, Inc.

### **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.

#### **Newsletter Subcommittee**

Chair – Bill Brafford, Tuffaloy Products, Inc.

### **Membership Committee**

Chair – TBD  
Vice Chair – Wade Burnette, NSRW, Inc.

#### **Member Recruitment Subcommittee**

Chair – Garret Herringdon, Southern Copper & Supply

### **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.

#### **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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