

MESSAGE FROM THE CHAIR

Did you know that the gestation period for a zebra is 365 days, a whale is 490 days, and an elephant is 645 days? But, I bet you don't know what the gestation period is for the RWMA pocket handbook! Would you believe over 10 years?

That is how long it has taken to revise the old "quickie manual". But the end is near. The final revised pocket handbook is out for balloting by a special AWS task group, and then it is off to final touchup and printing. According to Annette Alonso at AWS, the document should be available late September or early October.

If you don't know what I am talking about, the pocket handbook is a small document that has welding schedules, definition of different welding processes and machines, and information on good welding practices. This book goes to the heart of the RWMA's purpose to make the process more successful for the user. Production success promotes resistance welding joining over other joining methods.

Salespeople need to have something to give to shop people as an excuse for a visit. The RWMA pocket handbook fills the bill as absolutely the best handout available. The old one, out of print for years, was also given out at conventions, and everyone loved them. The AWS headquarters will let you know when stock is available.

MARK YOUR CALENDAR: The annual RWMA meeting will be held February 24-26, 2011. After a very extensive evaluation of locations in Florida, the co-located RWMA/WEMCO task group committee decided to return to the PGA National Resort where the last Annual meeting was held. The PGA Resort will be making many changes in response to our comments from the last meeting. This location provides the best combination of meeting rooms, sleeping rooms, and surrounding area.

Alan Beaulieu, the world-class economist who was stuck overseas during our last meeting, promises that he will make it to our meeting this time. With the economy coming out of the recession, it will be very interesting to hear his take on where manufacturing is heading. Alan is not only extremely knowledgeable about all things financial, but he is also a very interesting speaker.

You don't want to miss this meeting!

On a personal note, I was saddened to hear of the passing of Jim Snow of the T.J. Snow Company. Jim, the father of Tom Snow, started selling electrodes out of his trunk and built a company up to be one of the leading distributors and manufacturers of resistance welding products in the U.S. Jim epitomized the "self made man", and leaves a vibrant company as his legacy. He was, to the end, a real gentleman. He will be sorely missed.



Roger Hirsch
RWMA 2009-2010 Chair

RWMA 2011 ANNUAL MEETING



MARK YOUR CALENDARS AND SAVE THE DATE:

February 24-26, 2011.

PGA NATIONAL RESORT & SPA, Palm Beach Gardens, Florida

After a very successful Annual Meeting in March 2010, RWMA will be co-locating with WEMCO (Welding Equipment Manufacturers Committee), another standing committee of the American Welding Society, once again.

The meeting includes all-time favorite industry economist, Alan Beaulieu, President, Institute for Trend Research, who will provide us with sound financial clarity and insight for 2011.

Join us for even greater networking opportunities, as well as the highly anticipated forecast from the well-renowned, Alan Beaulieu, President of Inspection Trends Research.

Be on the lookout for more information coming soon.

RWMA AWARDED SPECIAL "PRIZE"

Congratulations RWMA! The RWMA Resistance Welding promotional video was awarded the 2010 **Andre' Leroy Prize**, issued through the International Institute of Welding, which could be described as the United Nations of Welding, representing organizations within 54 countries, typically the major welding association in that country.



AWS and RWMA could not have been awarded this prestigious prize had it not been for the help from so many of our member companies getting involved and volunteering their expertise as well as the use of their company's facility in the making of this video.



Established in 1980, the **André Leroy Prize** is awarded every even year for a large-circulation, multimedia document (including videos and computer programs), intended for use in Education and Training in any aspect of welding and allied processes.

This is the first time that the Andre' Leroy Prize has been awarded to an American company.

The Prize, which consists of a commemorative medal bearing the effigy of **André Leroy**, is awarded by the **French Delegation**. Jeff Weber, AWS Senior Associate Executive Director, will be accepting this prestigious award on behalf of the American Welding Society and the Resistance Welding Manufacturing Alliance (RWMA) on July 11, in Istanbul Turkey at the IIW Assembly.

The late **André Leroy** was one of the foremost personalities of the International Institute of Welding (IIW) from 1950, right up to his retirement some 24 years later. A chemist by training, he joined the Institut de Soudure (French Welding Institute) as Head of its chemical laboratory and subsequently rose within the ranks to become its Chief Executive.

André Leroy was also the first Scientific and Technical Secretary of the IIW.

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, 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. You can also place orders through the RWMA Web site at www.aws.org/rwma.

T. JAMES "JIM" SNOW



It is with great sadness that we report the passing of RWMA longtime member, T. James "Jim" Snow, the founder of T. J. Snow Company.

T. James "Jim" Snow passed away on Thursday, May 27, 2010, at the age of 90. Jim was born to Nathaniel and Lucille Snow on April 3, 1920 in the coal mining community of Searles, Ala. When he was 10, the family moved to Whitwell, Tenn., where he lived until moving to Chattanooga as a young man. After many years at the Chattanooga Armature Works and Jones-Sylar Supply, in 1963 Jim founded T.J. Snow - Co., which continues today. As a specialist in resistance welding machinery and supplies, Jim traveled the entire southeast prior to the days of air conditioned cars, interstate highways and chain motels.

In 2003, the Resistance Welder Manufacturers Association (RWMA) honored Jim with its Elihu Thompson Award to recognize his contributions to the industry. Always the consummate salesman, Jim was known for his positive outlook and pleasant personality, a trait which continued through his retirement years.

Jim was predeceased by his first wife, Sara Fay Snow; his second wife Kathryn Snow; his sister, Frances Nelms and his stepmother, Genny Snow. Jim is survived by three children, Tom (Susan) Snow, Teresa Snow, and Nancy (Gary) Evitt. His grandchildren are Tara Evitt, Josh (Tiffany) Evitt, Ashlee (Matthew) Chandler, Sam (Lisa) Snow, Andrew Snow, Elizabeth (Marc) Caldwell and Caroline Snow. He also had four great-grandchildren.

Memorial contributions may be made in Jim's name to the RWMA Scholarship, at American Welding Society, 550 NW LeJeune Road, Miami, Florida 33126.

WHAT'S NEW AT AWS?

AWS New Headquarters. The American Welding Society is pleased to announce that they have just completed the purchase of a new headquarters facility. Located in Doral, Florida, just west of Miami International Airport, the new building has 122,482 square feet of usable floor space — more than three times the space in the present facility. The five-story office building is located at 8669 NW 36 Street. Office space is being built out, and it is expected the move will be completed by late 2011.



Welding Journal. Our *Welding Journal* has gone digital, and is now being supplied electronically to our international members. This ensures immediate delivery all over the world, and it provides significant savings on delivery costs to the Society. Beyond this, the Spanish-language edition of the *Welding Journal* introduced in 2008 has been well received in Spanish-speaking countries, and is now self-supporting through advertising revenues.

Homes for Haiti. The American Welding Society is working with the Give Love Foundation and a Miami welding school to build housing units from steel cargo shipping containers. The American Welding Society (AWS) assisted actress Patricia Arquette, founder of the Give Love Foundation, in finding a welder training facility where the door frames could be assembled for the dwellings. The Robert Morgan Educational Center in Miami, Florida, was selected. Over the past couple of months, welding students at the center have been working to fabricate and weld door frames.

The Give Love Foundation's initial goal is to provide 54 housing units constructed from refurbished steel cargo shipping containers. Architect Christopher Robertson designed the housing structures, which cost about \$5000 each to complete, to withstand the rigors of hurricanes and earthquakes. Check out the July 2010 issue of the AWS *Welding Journal* to read the full article beginning on page 50.

IMAGE OF WELDING AWARDS

Do you know an individual, company, educator, or educational facility that exemplifies what welding is all about?

Nominate them for the 8th Annual Image of Welding Awards!

The Image of Welding Awards Program recognizes outstanding achievement in the following categories:

- Individual (you or other individual)
- Section (AWS local chapter)
- Large Business (200 or more employees)
- Small Business (less than 200 employees)
- Distributor (welding products)
- Educator (welding teacher at an institution, facility, etc.)
- Educational Facility (any organization that conducts welding education or training)



Entry deadline is July 30, 2010

For more information and to download the PDF nomination form online,

Visit www.aws.org/awards/image/html, or call AWS toll-free at 800-443-9353.

NEW CERTIFICATION FOR WELDING SALES PROFESSIONALS

Prove your excellence in welding sales

The American Welding Society offers a new certification program for welding sales professionals.

Welding sales personnel can now underscore the pivotal role they play in the success of their employers.

You provide value-added expertise to your customers on a regular basis. Now — through the AWS Certified Welding Sales Representative program — you can prove you are among the most valuable sales professionals in the welding industry.

A two-hour exam can establish your hard-earned credentials in welding sales. AWS offers a three-day test preparation seminar that can be taken at a scheduled site, or at your workplace for groups of sales personnel.

You are among the elite in the welding sales. Now you can prove it, as an AWS Certified Welding Sales Representative.

- Establish a competitive advantage in your field.
- Receive valuable welding reference books that will be a lifelong asset.
- Learn key skills that can help you assist your customers.
- Taking the seminar lets you test with just two years of industry experience.
- Gain the respect you deserve for your professionalism.
- Group seminars and exams can be offered at your business location.

For more information and an application form, visit www.aws.org/CWSR or call 1-800-443-9353, ext. 273.

AWS TECHNICAL COMMITTEE UPDATES

J1 Committee. Thanks to the outstanding work of Kendall Ymker and the J1D Task Group, the J1 Committee on Resistance Welding Equipment has completed a thorough review of Section 12 of ANSI-Z49.1, Safety in Welding, Cutting and Allied Processes. The revisions recommended by the J1 Committee reflect changes in terminology, improve the coverage of stored energy and inverter equipment, improve the coverage of bonding and grounding, and provide direction on the safe application of manual transguns. The suggested changes have been forwarded to the Safety and Health Committee for consideration during the Z49.1 revision process.

The J1 Committee has also approved the Resistance Welding Pocket Handbook prepared by the J1C Task Group. This document has been balloted to a special task group consisting of members of the AWS Standards Council and Technical Activities Committees. Comments from this task group will be reviewed and addressed by J1 in August so that the document can continue to advance towards printing.

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).

CCRW Subcommittee. The AWS-Certified Resistance Welding Technician (CCRW) subcommittee meeting was held in conjunction with the 2010 RWMA annual spring meeting at the PGA Golf Resort & Spa in Palm Beach Gardens, FL. The group unanimously approved revisions to the previously approved AWS-QC20 "Specification for AWS Certification of Resistance Welding Technicians" draft document. The revised QC20 draft document was reviewed and approved by the CCRW subcommittee members through a letter ballot on July 14, 2010.

The next step will be to ballot the QC20 draft document to the AWS-Certification Committee members for their review & comments.

CCRW subcommittee chairman Greg Frederick and vice-chair Don Maatz have scheduled an online "GoToMeeting" at 1pm (EST) on Wednesday, July 28th, 2010 for the group to review and discuss the current status of the QC20 draft document as well as finalizing the task-group's ongoing efforts towards building the (100) Certified Resistance Welding Technicians (CRWT) exam questions, and their correct answers with direct-references. Finalizing the development of the (100) CRWT exam questions will be the main focus of the group's online "GoToMeeting" on July 28th, 2010.

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

C1 Committee. The AWS C1 Committee on Resistance Welding met on May 18, 2010 at RoMan Engineering Services in Livonia, Michigan. During this meeting, the members made progress on revising the C1.1M/C1.1, Recommended Practices on Resistance Welding. The committee also considered a new work item proposal from the RWMA Technical Committee for the Designers Guide for Resistance Welding, which was positively received. Chair Nigel Scotchmer and Vice Chair Bill Qualls have been elected to a second term of office (January 1, 2011- December 31, 2013). C1 also produces the AWS C1.4M/C1.4, Specification for Resistance Welding of Carbon and Low-Alloy Steels, most recently published in 2009.

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) or by phone (800-443-9353 Ext. 299).

RWMA COMMITTEE UPDATE

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 or call 800-443-9353, ext. 295, to find out how you can be one of the members who help make a difference.

RWMA Membership Committee.

The Membership Committee also scheduled their teleconferences for the remainder of the year. Those dates are:

Tuesday September 7th, 2:00pm EST

Tuesday December 7th, 2:00pm EST

RWMA Technical Committee.

The Technical Committee also scheduled their teleconferences for the remainder of the year. Those dates are:

Tuesday September 14, 2010

Tuesday December 14, 2010

RWMA Marketing Committee.

The Marketing Committee scheduled their teleconferences for the remainder of the year. They will meet on:

Monday Sept 13th 4:00pm EST

RWMA Education Committee.

The Committee scheduled a teleconference for May 17th, at 4:00 p.m. EST.

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.

FROM THE FIELD



Submitted by: Bob Matteson
Director Technology
The Taylor-Winfield Corporation
Brookfield, Ohio

A Brazilian manufacturer is asking for help in verifying the alloy of electrodes since his purchasing department occasionally buys local product which is not always what it is marked and the weld results become inconsistent. They have a hard time determining hardness values because they use a portable durometer (Equotip), which does not have a Rockwell B scale. Even if they use equipment with a Rockwell B scale, it is often at the bottom of the scale.

Response:

Most of the material alloys used in resistance welding tooling and electrodes are measured for hardness using the "B" scale, with the exception of a few of the harder alloys which are measured on the "C" scale. Actually, two tests should be considered for verifying the correct alloy: conductivity and hardness. The problem with hardness alone is that some classes of copper are difficult to distinguish and portable testers are finicky at best as it is difficult to get duplicate readings. For instance, Premium class 2 copper has the same hardness (or close to the same) as class 3 copper. If Premium class 2 is heated to its annealing temperature it then has the hardness of normal class 2 unless it is again work hardened. The conductivity test measures the conductivity as a percentage of pure copper (%IACS). This test is valid for brass alloys as well as copper alloys. The only 'hitch' is that the sample being tested must be flat for the probe to contact and the probe has to be held 90 degrees to the surface. Also, a conductivity tester will not distinguish between class 2 premium and class 2 since the %IACS is the same for both.

In the lab we use a conductivity tester made by Magnatech. On the internet, I found a portable unit called Sigmatest Eddy-current Conductivity Tester, and there are many others. The conductivity tester and hardness tester should be calibrated with known materials before testing an unknown material.

RWMA Q&A COLUMN



Check out the July 2010 issue of the *AWS Welding Journal* on page 20. RWMA Chair Roger Hirsch and President of Unitrol Electronics, Inc., is the most recent 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.

FABTECH MEXICO CO-LOCATED WITH AWS WELDMEX AND METALFORM MEXICO



The 2010 AWS Weldmex Show: What a Success!

John Bruskotter, American Welding Society president, is shown presenting his speech welcoming the attendees to the **2010 AWS Weldmex** exhibition. The event was held May 11-13, at the Centro Banamex exhibition hall in Mexico City, Mexico.

Weldmex now is co-located with Metalform Mexico, COATEch, and FABTECH Mexico. The exhibition space totaled 44,000 sq ft and 140 welding-related exhibitors. More than 7,900 visitors attended the exhibition. The combined show has grown to the point where it is now the largest annual metalworking event in Latin America.

The next Weldmex combined show is scheduled for May 11-13, 2011, at Cintermex, Monterrey, Mexico.



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 2010, the event will be in Atlanta, Georgia. Thousands of buyers and sellers from around the world will gather at Georgia World Congress Center 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 2010 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, including METALFORM. Booths are still available if you would like to exhibit. Contact Joe Krall, at jkrall@aws.org, or call him at 800-443-9353, ext. 297.

2010 SHOW HOURS

Tuesday, November 2, 2010	9:00 a.m. – 5:00 p.m.
Wednesday, November 3, 2010	9:00 a.m. – 6:00 p.m.
Thursday, November 4, 2010	9:00 a.m. – 4:00 p.m.

FABTECH International & AWS Welding Show, including METALFORM
Georgia World Congress Center
285 International Blvd. NW
Atlanta, Georgia
Hall website: www.gwcc.com

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. 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.

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 Program Manager at susan@aws.org.

MEMBER NEWS

CAL MANUFACTURING INTRODUCES ITS ENGINEERING AND FACTORY ASSEMBLY STAFF



Front Row, L-R: Russ Hayward, Ricky Wallace. Back Row, L-R: Marvin Gould, Lou Bixler, John Leitch, George Inman.

Cal Manufacturing, Inc., introduces its engineering and factory assembly staff to include Marvin Gould, Lou Bixler, John Leitch, George Inman, Ricky Wallace and Russ Hayward. Many of the engineering staff at Cal Manufacturing have some 37-years of experience in the resistance welding cable industry establishing us with the one of the most experienced staff in the industry. Marvin Gould, Ricky Wallace, George Inman, Lou Bixler, John Leitch and Russ Hayward design and facilitate the engineering of our water-cooled cables, air-cooled cables, dual conductor cables, Swivel King cables and laminated shunts. The technical expertise of our staff and ability to provide in-house machining has lead us to several improvements in lead times and quality. We use our technical expertise to

better automate manufacturing processes and simplifying assembly techniques for improved products at lower costs.

*Submitted by Cheryl Benson-Hunt
CAL Manufacturing Company
Vicksburg, Michigan*

CENTERLINE LAUNCHES NEW WEBSITE

CenterLine (Windsor) Ltd. is very pleased to announce that it launched its new, updated website on July 19th. This site will contain a number of new features including video and literature down-loads, updated product and service information, enhanced navigation features and a detailed overview of its capabilities.

CenterLine plans to add additional features on an ongoing basis to enhance its site and provide its customers with a greater range of available online services. Visit them at www.cntrline.com.

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

CENTERLINE BENEFITS FROM PARTICIPATION IN MRO AMERICAS 2010



L to R - Mr. Wally Birtch and Mr. Anthony Pecaski of CenterLine (Windsor) Limited at the MRO Americas 2010 show in Phoenix AZ.

MRO AMERICAS 2010, in Phoenix, Arizona, was an ideal opportunity for CenterLine to meet with key personnel working in these industries. The preshow promotional efforts and overall co-ordination of the Ontario Pavilion by the Ontario government and the OAC was instrumental in enabling CenterLine to meet with many new prospects and to gain a stronger understanding of the aerospace industry. This venue also allowed CenterLine to attract added attention for its technology and to identify a number of potential future projects that it plans to pursue.

CenterLine is extremely pleased to be an active participant in the migration of its practical and proven cold spray process to the aerospace industry.

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

HUYS INDUSTRIES WELCOMES NEW ADDITION TO THEIR SALES TEAM



Huys Industries is pleased to announce that Troy Maclean has joined the sales team as a Technical Engineer. Troy joins Huys with ten years' experience in sales and sales support, and will initially concentrate on Huys' full line of equipment, consumables, Sorpas® Simulation Software, RSW training and ESD repairs and overlays in the Ontario market.

*Submitted by Nigel Scotchmer
Huys Industries, Limited
Weston, Ontario, Canada*

HUYS INDUSTRIES PRESENTING TECHNICAL PAPERS IN HAMBURG, GERMANY

Huys Industries is pleased to announce that it is presenting two technical papers at the 6th International Seminar in Advances in Resistance Welding in Hamburg, Germany, in September 22-24, 2010. These papers will present technological advances Huys has made in predicting electrode life and pursue trends in the development of future welding cells. Research and development for these projects was carried out in North America, Europe and Asia and reflect Huys' breadth of international experience.

*Submitted by Nigel Scotchmer
Huys Industries, Limited
Weston, Ontario, Canada*

Z.J. INDUSTRIES ANNOUNCES PROMOTIONS

Congratulations Nik Jajic who has recently been promoted to Executive Vice President, and Milan Jajic promoted to Vice President of Z.J. Industries. Both gentlemen are well deserving of their new positions.

*Submitted by Mike Jajic
Z.J. Industries, Inc.
Addison, Illinois*

Z.J. INDUSTRIES INTRODUCES NEW PRODUCT



Z.J. Industries is proud to announce the new Z-PIN, touted the Toughest coated PIN in the industry. These pins are used as a guide for nut welding operations.

Some features and benefits of using Z-PIN are; Superior electrical insulation with insulating film uniformly applied throughout the body of the pin; Strength of the pin is at least 50RC, resulting in the longest pin life; Z-PIN is metallurgically stable up to 2000 F., and coating surface is more than 2200 Vickers. Various special design locator pins with threads male and female for use in robotic welding are available.

*Submitted by Mike Jajic
Z.J. Industries, Inc.
Addison, Illinois*

CONGRATULATIONS MATT POST, APEX CONTROLS & KRIS MARSHALL, RoMAN MFG.



We are pleased to announce the upcoming nuptials of Matt Post with Apex Controls, and Kris Marshall with RoMan Manufacturing, both active RWMA member companies, on July 31, 2010.

As quoted by Matt, "I asked Kris to marry me during the Tulip Time Festival in downtown Holland, Michigan." She said, "Yes!" Short engagement, but "When you find the person you want to spend the rest of your life with, you want the rest of your life to begin right away!"

6th INTERNATIONAL SEMINAR ON ADVANCES IN RESISTANCE WELDING



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 here: [http://www.swantec.com/6th-Seminar-2010 Announcement Preliminary-Program.pdf](http://www.swantec.com/6th-Seminar-2010%20Announcement%20Preliminary-Program.pdf)

RWMA 2010 MEMBERSHIP DIRECTORY



The 2010 RWMA Membership Directory is available! This directory is a very valuable benefit, as it assists others looking for Resistance Welding companies in their area. These directories are available at all trade shows where AWS participates.

If you haven't already received your copy of the directory, or desire additional copies, contact Susan Hopkins, RWMA Program Manager, at susan@aws.org.

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 2010 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

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 - Holly Stevens, Flex-Cable

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, and we'll make sure it gets in the next issue.

© 2010 by American Welding Society, Miami, Fla. All rights reserved. No part of this publication may be reproduced in any form without written permission from the publisher.