



CHAPTER OFFICERS

Chairman
JIM LAVERICK (471-2294)

Vice-Chairman
PATRICK ANDERSON
(471-2260)

Secretary
TARIQ QUADIR

Treasurer
HAROLD BURRIER
(499-8662)

EXECUTIVE COMMITTEE

MARK CARLSON
GARY DOLL
CARLA GIACOBONE
DENNIS HUFFMAN
CHRIS LAPOLE
DAVE MILAM
KRICH SAWAMIPHAKDI

SUSTAINING MEMBERS

JLK METALLURGICAL, LLC
RAM SALES, INC.
THE TIMKEN COMPANY

EDITOR

Carla Giacobone
The Timken Company
GSP-29
PO Box 6931
Canton, OH 44706-0931
Phone: 330-471-4639
Fax: 330-471-5575
E-mail:
carla.giacobone@timken.com

“Brazing and Soldering in the 21st Century”

Soldering is a process that is joining metals below 840°F. Above 840°F it is considered brazing. Industry has developed many applications for soldering and brazing to fit their needs. While the principals remained solid and consistent throughout the years, soldering and brazing has taken on a new expanded role in manufacturing and technology. With new soldering and brazing alloys, better ways of joining dissimilar metals and substrates are now possible. High temperature alloys have continually expanded the continuum of what can be accomplished by brazing and soldering. New soldering techniques now allow almost any alloy to be joined to any substrate.

About the Speaker

Carmen Paponetti has been in the brazing industry for 40 years. He is very active with ASM Brazing committee, and is an active member of AWS, Brazing C-3 Committee. He has written technical papers for SME, along with being technical speaker for all three organizations on Brazing and Soldering. His background includes a Metallurgical degree from Applied Technical Institute. His experience is primarily focused in high temperature furnace brazing.

Brazing differs from welding in that in the braze processing, the intention is not to melt the base metal but only the braze alloy. In most cases, the interaction between the materials results in the establishment of a metallurgical bond when the filler metal solidifies.

Carmen is the President of Expert Brazing & Heat Treating located in Massillon, Ohio. Their focus is high temperature Continuous Furnace Brazing and Vacuum Brazing.

**2007-08 Meetings
Canton-Massillon ASM**

Date	Event	Speaker	Topic
September 13 th , 2007 Thursday		Dr. David Dickinson, Ohio State	Project Lead the Way – Engineering Programs for HS
October 11 th , 2007 Thursday		Carmen Paponetti, Expert Brazing & Heat Treating	Brazing
November 8 th , 2007 Thursday		TBD	TBD
January 10 th , 2008 Thursday	ASM International Trustee Night	Dr. Mark Smith, Sandia National Lab	Enabling Science and Technology for National Security Applications
Feb. 7 th , 2008 Thursday		TBD	TBD
March 13 th , 2008 Thursday		TBD	TBD
Apr. 10 th , 2008 Thursday		TBD	TBD
May 8 th , 2008 Monday	Student Night	1) PLTW - Hoover 2) Science Fair Winners	TBD
June, 2008	Summer Golf Outing		Golf Outing / Dinner

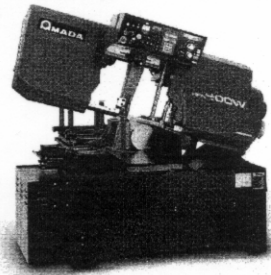
SAWING SOLUTIONS
from Ram Sales Inc.



We can supply your company with the machines and blades for just about any sawing application. From tough alloys to advanced composites, we have the products and expertise to help you.

Contact us for more information or to discuss your application.

P.S. We can help with the easy jobs too!



906 Moe Dr
Akron Oh 44310

Phone: 800-426-3452
Fax: 330-630-2828
www.SAWSand BLADES.com

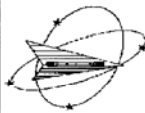


Helping you **predict** and **prevent** maintenance, reliability, compliance and safety problems with:

- Mechanical Integrity Evaluation
- Electrical System Heat Surveys
- Non-Destructive Testing
- Process Machinery Inspection
- Heat Exchanger Assessment
- Lifting Device Safety Inspection
- Energy Loss Identification
- Documentation Services
- QA/QC Auditing

For more information contact:

Bob Roush (330) **494-9436** or **800-321-0878** or write:
GFS/NDE, 5250 Mayfair Road, P.O. Box 2908, North Canton, OH 44720
broush@gfsnde.com

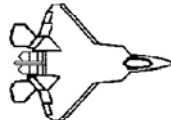


WESTMORELAND MECHANICAL TESTING & RESEARCH, INCORPORATED

Where The Search For Excellence is Never Ending

Specializing in:

- Mechanical Testing (Tensile, Stress/Creep, Charpy)
- Fracture Toughness (J1C, K1C, COD, Short Rod)
- Chemical Analysis
- Heat Treat Capabilities (Specializing in Aluminum)
- Full Machining Capabilities
- Fatigue Testing (Low & High Cycle, Da/Dn)
- Metallographic and Microhardness



For All Your Testing Needs, Contact:
P.O. Box 388, Old Route 30, Westmoreland Drive
Youngstown, PA 15696 USA
Phone: (724) 537-3131; Fax: (724) 537-3151
E-Mail: admin@wmtr.com; Web-Site: http://www.wmtr.com

Now Accepting All Major Credit Cards!



Mechanical Testing
Chemical Analysis
Fastener Testing



Materials Testing Laboratory
Fastener Testing

ICS Converters of Cellulose Sponge

1350 Home Ave Akron, Ohio 44310

Custom fabrication of standard & compressed sponge for a wide range of industrial applications including;

Laboratory, Electronics, Steel Finishing, Maintenance, plus hundreds of others. Call for more information and samples.

1-800-737-9671 or Visit our Web-Site icsponge.com



OLYMPUS

B & B Microscopes, Ltd.

SALES - SERVICE - REPAIR

E-Mail: BBMicro@USAOR.NET
888-SCOPES-0 Voice Mailbox: 161
(888-726-7370)
Fax: 724-934-0310 - All Orders
Telephone: 724-934-3811 / 800-433-1749

Andre Domino

ADVERTISE WITH US!

Place your advertisement in ten issues of the monthly NEWSLETTER / Announcement for the following rates (discount for Chapter Sustaining Members). Contact Mark Carlson at (330)471-3609 for details.

Up to 2 sq. in. @ \$50.00

Up to 7 sq. in. @ \$75.00
(Business cards included)

Up to 15 sq. in. @ \$150.00

CHAPTER SUSTAINING MEMBERS

**JLK Metallurgical, LLC
Ram Sales, Inc.
The Timken Company**

COME VISIT US ON THE WEB!
WWW.ASM-CANTON.ORG

ASM International
Carla Giacobone – GSP-29
The Timken Company
PO Box 6931
Canton, OH 44706-0931

ADDRESS CORRECTION REQUESTED



CANTON - MASSILLON CHAPTER

www.asm-canton.org