

ASM International Philadelphia "Liberty Bell" Chapter Newsletter

(For optimum viewing and printing, this E-newsletter should be opened in Word and the margins In Page Setup changed to .25" for top, bottom and sides.)

Wednesday (not usual Thursday meeting), November 19, 2008 -- Eisenman Award Night

Spouses and guests are invited and welcome. Williamson Restaurant, Easton Road, Horsham, PA

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Best Wishes to the Philadelphia Chapter

Technical Chairperson

James Conybear, Metlab Potero, Inc.

Meeting Sponsors:

Singmaster Personnel Services, Solar Atmospheres Inc., Met Lab Potero

Dinner Menu- Snapper Soup, Roast Loin of Pork, Baked Stuffed Potato, Peas & Carrots, Pumpkin Pie with Whipped Cream

Social Hour – 6:00 - 7:00 p.m. **Dinner -** 7:00 p.m.

Price: Members & Guests: \$28.00; Retirees: \$19.00; Students: \$16.00

Meeting Registration Register to attend our meeting on our website www.asm-philadelphia.com. If you have a large group attending or do not have access to the website, please contact Don Jordan 215-721-1502 ext 206 to register.

Meeting Cancellation Notification

In the event of cancellation of a meeting due to inclement weather, we will broadcast the news as part of KYW News radio's (1060AM) Storm Center Service. ASM cancellations will be specifically announced when KYW airs community cancellations at :20 and :50 past each hour during the afternoon of the day of the meeting. ASM's name will be specifically mentioned, so listen for the name rather than an organization number as is used for schools.

Speaker: Robert Hill, Jr. – President, Solar Atmospheres, Inc. of W. PA.

Bob Hill has over 28 years of experience involving a wide range of heat treating methodologies. During the past ten years Bob has specialized in the development of large vacuum furnace technology and processing capabilities for Solar Atmospheres.

In 2001 Bob took on the responsibility of starting Solar Atmospheres second plant in Hermitage, PA. At this location are twelve vacuum furnaces including the world's two largest, 36 feet long with a weight capacity of 150,000 lbs. Over a period of five years the plant's sales have increased an average of 35% per year for total sales of \$15 million in 2006. The plant services titanium, aerospace and other manufacturing industries throughout the country.

Bob has been a member of ASM since 1980. He has published a number of articles on vacuum heat treating applications including: "Breakthrough in Gas Quenching" and "Vacuum Pressure Quenching of Oil-Hardenable Materials". Bob has been a seminar speaker at the national ASM heat treating show and at various chapters throughout the country

For 2000-2001, Bob served as Chairman of the Philadelphia Liberty Bell Chapter of ASM. Additionally he co-chaired the 2003 and 2005 ASM Heat Treating Society Conference and Exposition. He received a B.S. from Millersville State College and a degree in Metallurgy from Spring Garden Institute in Philadelphia.

Bob has been active in the Metal Treating Institute as well. He was Past Program Chair of the Great Lakes Chapter and also the Chapter Chair. He currently serves on the Board of Trustees for the Institute.

TOPIC: Creating A Unique And Profitable Heat Treating Facility Within Seven Years

Looking into the past, the year 2000 was a very intriguing year in my life. It was the year that I assumed the prestigious Chairmanship of the ASM Liberty Bell Chapter. It was also the year that I was promoted to President of Solar Atmospheres of Western PA. It was a brand new position that entitled me to build a new state of the art facility for Solar Atmospheres west of the Allegheny Mountains.

We embarked on a new journey knowing that processing titanium would be our mainstay. We invested heavily in people, equipment, and the physical plant facility. Today, with God's guidance, we are a very strong and profitable company with some of the most unique vacuum equipment in North America.

I am very honored and blessed to receive the William Hunt Eisenman Award. As Mr. Eisenman had others helping him to build his vision, I too could never achieve such recognition without the complete support from the Solar Atmospheres family.

Chairperson's Message – November, 2008

Our own Philadelphia Phillies are finally 2008 World Series Champions. And the Eagles are battling back through the NFC East. This is a glorious time to be a Philadelphia sports fan!

Last month's "Young Members Night" had Williamson Trade School and Drexel University well represented. We always appreciate the efforts of Dr. Rick Knight from Drexel, Sam Ray and Carmen Martella from Williamson Trade School for guiding their students to our venue.

Two honored members attended October's meeting, Scott MacKenzie, recently awarded a fellow of ASM and Ed Kottcamp, past national president, fellow and member of our chapter.

This month our Eisenman Award winner, Robert Hill Jr., will present the topic of "Creating a Unique and Profitable Heat Treating Facility Within Seven Years."

Plan on attending November's meeting as we reflect on this past ASM calendar year and begin planning for our next meeting, January 15, "National Officer's Night" as we host our National President, Roger Fabian.

Tim Steber
2008-2009 Chairperson

Wanted: Industry Tours

Calling out all ASM Member Companies! Some of our local Material Advantage Student Chapters are interested in Industry Tours. If your facility would be willing and able to host Student Members for a tour, please contact Sarah Mansuetti sarah.mansuetti@rexht.com This is a wonderful opportunity to reach out to the future of ASM and let the students know what opportunities are out there in the field of Materials.

Welcome New Members

Heather Chiarello Student
Thomas G. Cymmer US Navy

James M. Marder K-Technology Corp.
Bernard M. Raffner Inductotherm Corp.

This month's e-newsletter sponsored by:

<p>Energy Cost Problems? Maybe We Can Help</p> <ul style="list-style-type: none">➤ Energy Prices Are Up.➤ Full Electric Dereg is Coming➤ Call us. We can analyze your usage for a low fixed fee, or we can structure it so that you only pay us if you save money.  <p>DVUA DELAWARE VALLEY UTILITY ADVISORS 1939 Armstrong Drive • Lansdale • 215-699-0690 dvua@comcast.net www.utilitycostconsultants.com</p>	<p>Supporting the work of ASM Philadelphia "Liberty Bell" Chapter</p>  <p>SOLAR ATMOSPHERES</p> <p><i>The Metal Processing Advantage</i></p> <p>800.347.3236 www.solaratm.com</p>
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Upcoming Events

11-18-08	Tuesday	MEI Course – Principles of Metallography Classes held at SPS Technologies, Jenkintown, PA	6:30 – 9:00 pm
11-19-08	Wednesday	Eisenman Award Night Williamson Restaurant, Horsham, PA	6:00 pm
		<i>Topic: Creating A Unique and Profitable Heat Treating Facility within Seven Years</i>	
1-15-09	Thursday	National Officers Night <i>Topic: Managing Multi-Plant Metal Processing Operations Worldwide, A Corporate Prospective</i>	

Employment Opportunity - Metallurgical Engineer

FT position with a leader in the materials testing industry located in the Montgomery County area of suburban Philadelphia, PA. Primary responsibilities include conducting metallographic analyses in accordance with ASTM, ASME, and/or customer supplied specifications and test procedures, and performing sample preparation (drilling, cutting, grinding, mounting, polishing) on materials provided by customers. Position also requires mixing etchants and maintaining records.

This position requires mechanical aptitude, excellent attention to detail, excellent mathematical abilities, the ability to work with minimal supervision, and a willingness to work hands on.

Must have a B.S. in Material Science and Engineering or Metallurgy. A minimum of 1-2 years experience in a laboratory associated with metals testing and familiarity with the operation of digital imaging systems is desirable.

Excellent benefits and competitive wages. Please send your resume, including salary requirements, to Tim Snyder, Laboratory Testing Inc., 2331 Topaz Drive, Hatfield, PA 19440 or e-mail to tsnyder@labtesting.com. For additional information, please visit our website at www.labtesting.com.

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MEI Course - Principles of Metallography

The Greater Philadelphia Section of The American Society for Nondestructive Testing, The Philadelphia "Liberty Bell" Chapter of ASM International and the Philadelphia Chapter of the American Welding Society is presenting the MEI course - **Principles of Metallography.**

When: Tuesday evenings 18 November 2008 through 10 February 2009 -- 6:30 to 9:00 PM

Where: SPS Technologies -- Highland Ave. Jenkintown, PA

Cost: \$425.00 includes the 10 written lesson, a lab tour, the course carrying 3.0 CEU's and instructed by qualified personnel. Each student, after the first one from the same company will cost \$400.00.

Metallography is the study of the interrelationship between the structural characteristics and the physical and mechanical properties of metals, alloys and nonmetallic materials such as ceramics, polymers or composites. Structural interpretation of these materials is made possible by sectioning, mounting, grinding, polishing and etching a specimen which can then be viewed microscopically. This interpretation is invaluable in today's industrial workplace to maintain close control over production processes, in basic materials research, in development of new materials and in failure analysis. This course is intended to provide instruction in proper metallographic preparation techniques and the principles on which they are based. It describes methods of viewing structures and analyzing the constituents which are present.

Target Audience

The knowledge gained from this course will benefit anyone working in a metallographic facility, including technicians, supervisors, managers of Metallographers.

Course Outline:

1. Metallography: Its History and Aims
2. The States of Matter
3. Introduction to Phase Diagrams
4. Microstructure and Classifications of Steels
5. Metallographic Specimen Preparation
6. Fundamentals of Metallographs and Photomicrography
7. Quantitative Metallography
8. Auxiliary and Special Metallographic Techniques
9. Plastic Deformation and Annealing of Metals
10. Specific Metal Groups: Preparation and Interpretation

For more information contact Bob Rich 215 572 3485, Fred Klock 215 659 8424 or Ken Moyer 856 786 9061. Return the lower portion of this form, with a check payable to "**Philadelphia ASMI**" to Fred Klock at 2305 Pershing Ave. Roslyn, PA 19001-2410 before 10 November 2008.

Name: _____

Work phone: _____ E-mail address _____

Company Address _____

Your Position: _____ ASM Member # (If Ap.) _____

Home phone and address _____

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Mission Statement

The Philadelphia "Liberty Bell" Chapter of ASM International supports the development and continuance of the materials industry in the Philadelphia area. Chapter activities strive to inform the local technical community of new developments in materials, raise the visibility of the materials industry, provide educational opportunities in materials technology, recruit new people and organizations into materials-related activities, and provide networking opportunities for members of the materials community. The Chapter works with ASM International to use our joint resources to accomplish this mission.

2008-2009 Sustaining Members

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Institutional Members

Drexel University
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Changes To Your Membership Information - Any Chapter Member who needs to make a change to their membership listing or to their company affiliation listing must call Membership Service, ASM International at 1-800-336-5152 or use the ASMI website at www.asminternational.org. This will permanently update your information. We depend on ASM International to receive our updated e-mail list for this newsletter.

Do you have news... that should be shared with the other members of the "Liberty Bell" Chapter? If so, please send your info to Jim Watters at dvua@comcast.net. Be sure to add the phrase "Item to add to the ASM Chapter newsletter" in the subject line. We'll be sure to include it in the next monthly Chapter newsletter.

For more info about the ASM Liberty Bell Chapter. . .

Contact Chapter Chairperson Tim Steber at 215-721-1502 x 216 or email him at tms@solaratm.com.