

# ASM International Philadelphia "Liberty Bell" Chapter Newsletter Thursday, October 19, 2006 - Young Members Night

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

## Technical Chairperson

Jim Watters - Delaware Valley Utility Advisors

## Meeting Sponsors:

Robert Wooler Co., Forensic Sciences Inc., Rex Heat Treat

## Dinner Menu

Buffet - choice of:

Baked Cheese Lasagna Smoked Baked Ham w/Maple Mustard, Veal Scaloppini, Breast of Chicken Marsala  
Caesar Salad, Potatoes au Gratin, String Bean Lyonnaise, Brownie Delight, Fresh Fruit Watermelon Boat  
Beverage & Rolls

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

Price: Members & Guests: \$24.00; Retirees: \$15.00; Students: \$12.00

## Meeting Registration

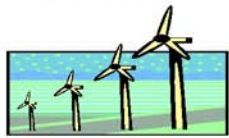

Register to attend our meeting on our website [www.asm-philadelphia.com](http://www.asm-philadelphia.com). If you have a large group attending or do not have access to the website, please contact Rob DeKalb at 215-542-7600 to register.

## Speaker: TBA

## Topic: Materials Challenges in New Energy Systems

With the current rising costs of energy and the security concerns associated with its supply, research and development into alternate sources of energy supply and improved methods of energy conversion is being supported at a high level. Several processes are on the verge of becoming not only technically feasible, but cost effective compared to conventional energy sources. The Philadelphia area is home to several firms that are heavily engaged in this development effort. The October program will feature a speaker from one of these firms to talk about the state of the technology and the materials challenges associated with complete commercialization of it. It is anticipated that the technology discussed will be either fuel cells or wind power.

This month's e-newsletter sponsored by:

<p><b>ENERGY COST PROBLEMS? MAYBE WE CAN HELP YOU</b></p> <p>James L. Watters</p>  <p><b>DVUA DELAWARE VALLEY UTILITY ADVISORS</b> 1939 Armstrong Dr. Lansdale • 215-699-0690 <a href="mailto:dvua2@cs.com">dvua2@cs.com</a>    <a href="http://www.utilityadvisors.com">www.utilityadvisors.com</a></p>	<p>Supporting the work of ASM Philadelphia "Liberty Bell" Chapter</p>  <p><b>SOLAR ATMOSPHERES</b></p> <p><i>The Metal Processing Advantage</i></p> <p>800.347.3236 <a href="http://www.solaratm.com">www.solaratm.com</a></p>
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You can teach an old dog new tricks.

As some of you may know, each year our chapter sends one member to ASM Leadership Days, usually the incoming vice chair. Leadership Days is an intense three-day training workshop for chapter officers. It takes place at a hotel conference center in downtown Cleveland. Because of Howard Cheetham's relocation to North Carolina, I became the Chairperson without serving as vice chair. Dave Von Rohr, this year's vice chair, could not attend due to a previous commitment. Because attendance is mandatory only every other year, I suggested we skip this year. I have been around the block a few times, working in the industry for over 40 years, and an ASM member for 20. I am nearing retirement and I thought, "What possible good could this training do for me?"

The members of the E & O who had previously attended, strongly recommended that I attend. They were right on target; it was one of the best experiences of my life. I learned more about ASM in three days than I had in 20 years. The interaction with my peers from other chapters around the world was priceless. Our problems and issues are not unique. Seeing what other chapters did to address them gave me lots of ammunition to bring home. Hopefully it will make me a better leader.

I also learned that our chapter does a lot of things right and has much to be proud of. We have the Rolls Royce of yearbooks, and are the envy of everyone. Nothing else comes even close. It is a struggle to break even every year, and I often wondered if the yearbook was worth it. There is now no question that it is. We need to increase our advertising revenue. You do not have to be an officer to sell an ad. Why not try to sell an ad to your employer? The rates are surprisingly reasonable.

Most other chapters can only dream of regularly getting 60 people out for a monthly meeting, and getting twenty for an E & O meeting. Most are happy with half those numbers. We also do much better than most in student attendance. Everyone thought the student bus was a great idea.

Unfortunately I will not be able to attend the meeting on young members night. I am a group leader of a 20-person golf trip to Myrtle Beach. We have been going the same time in October for 23 consecutive years. Travis Nelson has volunteered to fill in.

Sincerely,  
Tom Reid  
2006-2007 Chairperson

## Upcoming Events

10-19-06	Thursday	Young Members Night Topic: Materials Challenges in New Energy Systems, Williamson Restaurant, Horsham, PA	6:00 pm
10-30-06	Monday	Liberty Bell Dedication Independence National Historical Park	5:00 pm
11-7-06	Tuesday	MEI Course - Metallurgy for Non-Metallurgist SPS Technologies	
11-9-06	Thursday	National Officers Night - Joint Mtg. with Lehigh ASM Topic: Trends in IC Failure Analysis, Williamson Restaurant, Horsham, PA	6:00 pm

## Liberty Bell Named ASM Historical Landmark - Dedication October 30th

The Philadelphia Chapter has been notified that our application to have the Liberty Bell named an ASM Historical Landmark has been accepted. At this time our Awards Committee is working with Materials Park and also with Independence National Historical Park to arrange for a suitable presentation ceremony at the Liberty Bell. We anticipate that all chapter members will be invited to attend. This event is scheduled for Monday October 30th at the Liberty Bell. Because Park Service rules do not permit us to interrupt normal visitor hours, the ceremony will take place at 5:30 pm. If you come it will be necessary to arrive at 5 pm to allow for security screening. Please watch your e-newsletter for September and October for further information. If you do not receive the e-newsletter and you are interested in attending, call Jim Watters at 215-699-0690 around the 1st of October for more information. Also, if transportation is a problem for you we will try and arrange for car pooling.

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*Best Wishes to the Philadelphia Chapter*

**Metallurgy for the Non-Metallurgist**

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 Metallurgy for the Non-Metallurgist.

When: Tuesday evenings 7 November 2006 through 1 March 2006 -- 6:30 to 9:00 PM

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

Cost: \$350.00 includes the 15 written lesson, with video, course carrying 2.8 CEU's & instructed by qualified personnel. Each student, after the first one from the same company will cost \$300.00.

Who should attend:

- Anyone who needs a working understanding of metals and their applications.
- Those with no previous training in metallurgy
- Technical, laboratory, and sales personnel
- Engineers from other disciplines
- Management and administrative staff
- Non-technical support staff
- Anyone studying, or intends to study, for ASNT Level III or AWS CWI

Course overview:

- Presents a history of metals-providing background on the origins of various metals
- Provides an explanation of physical characteristics of metals, including the reason that metals behave differently than such nonmetals as plastics, wood, glass, etc.
- Metals represent a wide range of densities, conductivity and other physical properties
- Explains how and why different metals are selected for specific environmental purposes including resistance to wear, to corrosion, to heat, to cold, to repeated stress, to impact, etc.
- Describes how much stronger metals can become for various applications by heat treatment
- Describes how mechanical properties are measured including descriptions of testing procedures for tensile, impact, fatigue, etc
- Describes how metals are alloyed and formed to achieve desired mechanical properties-including comparisons between various forming processes including casting, forging, extrusion, rolling, etc.
- Provides basic knowledge on the heat treatment of carbon and alloy steels and some nonferrous alloys to achieve specific property levels. This includes discussion about how alloy additions affect the heat treatability of steels and other alloy bases.
- Describes other methods of increasing strength by cold working
- Provides information about welding and other joining processes in use today
- Discusses why metals corrode and how metals can become more resistant to corrosion with coatings, alloying, electrical methods, and combinations of these along with a discussion about different stainless steel grades.

For more information call Fred Klock 215 659 8424, Jim Korchowsky 215 339 7034 or Bob Rich 215 572 3485. E-mail afklock@comcast.net

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 29 October 2006.

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

Work phone: \_\_\_\_\_ E-mail address \_\_\_\_\_

Company Address \_\_\_\_\_

Your Position: \_\_\_\_\_ ASM Member # (If Ap.) \_\_\_\_\_

Home phone and address \_\_\_\_\_

***This month's e-newsletter sponsored by:***



## **EMPLOYMENT OPPORTUNITY From LTK ENGINEERING SERVICES**

**Job Title: Materials/Welding Engineer**

**Job Status:** Full-time

**Minimum Qualifications:** B.S. degree in metallurgy, materials engineering, or welding with 5 years industrial experience.

**Job Description:** The position will support LTK's activities in rail vehicle and systems equipment, and various failure analysis and forensic support activities. Experience should include materials selection, materials evaluation, and involvement with welding. Experience in failure analysis, fracture and fatigue, and NDT is a plus. Travel is required.

LTK is an E/O/E. Please submit résumé and cover letter to: Human Resources Administrator, LTK Engineering Services, 100 W. Butler Avenue, Ambler, PA 19002; email: [zhr@ltk.com](mailto:zhr@ltk.com)

### **Now Sending E-Newsletter**

During the 2006-07 Chapter year, the Liberty Bell Chapter will have an e-newsletter in addition to the familiar blue mailer. This will allow us to make late additions to the newsletter.

We are planning to include full color business card size ads in the e-newsletter. You can run an ad for a one time fee of \$100 for 8 placements. This is a very economical way to reach the 400 Philadelphia ASM members with e-mail. If you wish to run a one time job placement ad, those ads can be run for a monthly fee of \$25. Contact Jim Watters for more information at [dvua2@cs.com](mailto:dvua2@cs.com).

### **Mission Statement - ASM International, Philadelphia "Liberty Bell" Chapter**

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.

**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](http://www.asminternational.org). This will permanently update your information. We depend on ASM International to receive our updated mailing list for this newsletter. So please do not send information to the return address on 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 [dvua2@cs.com](mailto:dvua2@cs.com). 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 Tom Reid at 215-675-8122 or email him at [reitmrd@aol.com](mailto:reitmrd@aol.com).