



Philadelphia Liberty Bell Chapter Newsletter



www.asm-philadelphia.com

Thursday, February 16, 2006

Continuing Education Night

Spouses and guests are invited and welcome.

Williamson Restaurant, Easton Road, Horsham, PA



Speaker: JAMES CIRILLI, PSEG

Topic: Managing Materials Degradation in the Nuclear Power Industry

Jim Cirilli has 25 years of professional experience providing services in the fields of metallurgy, materials and welding engineering, nondestructive examination, materials problem solving, and failure analysis. Eighteen of those twenty-five years were spent in the electric power industry with Long Island Lighting Company, Northeast Utilities and currently with PSEG Nuclear. Seven years of Jim's career were spent at Lehigh Testing Laboratories, Inc., an independent materials testing laboratory, with primary responsibility for directing failure investigations for industrial and legal clients.

Mr. Cirilli has a BS in Metallurgy from The Pennsylvania State University and a MS in Metallurgy from Rensselaer Polytechnic Institute.

Mr. Cirilli is the Secretary of the Brandywine Valley Chapter of ASM, a member of AWS and an advisory committee member of the Mechanical Engineering Technology Program at Delaware State Technical College.

TOPIC:

Managing Materials Degradation in the Nuclear Power Industry

As a result of several recent nuclear industry issues involving materials degradation, the Nuclear Strategic Issues Advisory Committee (NSIAC), in May 2003, unanimously approved the "Industry Initiative on Management of Materials Issues" and its associated "Guideline for the Management of Materials Issues," NEI 03-08. NEI 03-08 creates a Materials Executive Oversight Group (MEOG) and a Materials Technical Advisory Group (MTAG) to provide policy direction, oversight and support to the industry's materials programs. The Initiative's policy-objective is to have a more forward-looking, coordinated industry-wide program. This presentation will highlight some of nuclear power's more significant materials degradation issues and how the materials initiative is working to resolve them.

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.

Technical Chairperson

Scott Giacobbe
Exelon Powerlabs

Meeting Sponsors:

B & G Manufacturing Co., Inc.

Dinner Menu

Snapper Soup
Fresh Garden Salad
Veal Parmesan
Side of Spaghetti
Caesar Peas
Sweetheart Sundae

Social Hour

6:00 - 7:00 p.m.

Dinner

7:00 p.m.

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

Reservations are necessary -

Please make your reservations online at www.asm-philadelphia.com

If you have a large group or do not have access to the website, you can make your reservation by contacting Rob DeKalb at 215-542-7600.

ASM Philadelphia Sustaining Members (2005-2006)

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Chapter Officers 86th Year

Travis Nelson, Chairperson
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Fred Klock, Exec. Treasurer
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For more info about the ASM Liberty Bell Chapter...

Contact Chapter Chairperson Travis Nelson at
215-631-7111 x103 or email him at
trnelson@materialsresources.com

Do you have news...

that should be shared with the other members of the "Liberty Bell" Chapter? If so, please send your info to Anna Whitehead at her email address:

aj.whitehead@att.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.

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 ASM website at 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.



Chairperson's Message

February, 2006

Greetings and Salutations to the Liberty Bell Chapter of ASM International!

It's February (or will be by the time you read this) and that means several things: Punxsutawney Phil either did or did not see his shadow, we either do or do not have another month and a half of wintry weather before us, and The Football Game I'm Not Allowed to

Name is over, and your team either did or did not win. Well, OK, the team most of us follow watched it from the comforts of their own living rooms, but there's always Next Year.

Next Year, however, is for football players. Materials professionals must live in The Now, and so ASM has its usual lineup of social and professional meetings this winter and spring for your benefit. Don Jordan is planning another tour, this time a trip to the Battleship New Jersey, which is docked in Camden. One of our Directors, Steve Alberico, may even be able to get us a tour guide who can offer us some materials engineering insights that most tourists don't get.

We've also got our annual Spring Dinner/Dance coming up at Old York Road Country Club on May 6th, and Entertainment Chairman Jamie Jones is working feverishly to make sure every detail is addressed and that the evening is a lot of fun for all attending. June will feature the Annual ASM/ASNT Golf Outing and the summer may bring us another baseball game trip with the Lehigh Valley Chapter.

But before that, there are several technical meetings, including this month's Continuing Education Night. James Cirilli of PSEG will tell us about some of the challenges involved in dealing with corrosion in nuclear power plants, an interesting and very important topic, I'm sure we'd all agree.

One thing that allows us to have such meetings and address such topics is **Meeting Sponsorship**. Companies and individuals who sponsor meetings allow us to welcome students (speaking of Continuing Education!) by having a \$25 drawing for them alone without forcing them to buy tickets. Meeting Sponsors also allow us to keep meeting at Williamson's by helping to subsidize the costs of everyone's meals, especially students and retirees. A small sacrifice on your part (or your company's) allows the Liberty Bell Chapter to keep its retired sages and rising young stars involved with the monthly happenings of ASM. So if you haven't yet sponsored a meeting this year, please contact Fred Klock to do so. And if you have? Well, do it again. It's a small price to pay to make sure that the past, present and future of the materials engineering can interact regularly.

With Respect and Thanks,
Travis M. Nelson
2005-06 ASM Liberty Bell Chapter Chairman

Upcoming Events...

2-16-06	Thursday	Continuing Education Night Topic: Managing Materials Degradation in the Nuclear Power Industry, Williamson Restaurant, Horsham, PA	6:00 pm
3-16-06	Thursday	Albert Sauveur Award Night Topic: Spanish Colonial Iron or Modern American Steel: An Archaeometallurgical Case Study Williamson Restaurant, Horsham, PA	6:00 pm
4-20-06	Thursday	Sustaining Members Night Topic: Development & Marketing of All-Wheel Drive in the Motorcycle & Bicycle Industry Williamson Restaurant, Horsham, PA	6:00 pm
5-6-06	Saturday	Spring Dinner Dance Old York Road Country Club, details to follow in newsletter	
5-18-06	Thursday	Honors & Past Chairmen Night Dedicated to All Past Chairpersons, Williamson Restaurant, Horsham, PA	6:00 pm
6-5-06	Monday	Golf Outing Limekiln Golf Club; Registration begins at 7 am	

C.F. Burns Memorial Poster Contest

The Liberty Bell Chapter will be holding its 5th annual poster contest for graduate students during our Sustaining Members Night on April 20, 2006. This will be the third year the contest is sponsored by Solar Atmospheres, Inc. Prize money will be \$500 for 1st Place, \$300 for 2nd Place and \$200 for 3rd Place. Due to limited space, we are asking students to pre-register. Space will be awarded on a first come, first serve basis. Please register your name and poster title with Don Jordan at dfj@solaratm.com. Good luck to everyone!

Delaware Valley Science Fairs

Delaware Valley Science Fairs, Inc. (DVSF) was founded in 1949 and incorporated in 1993, making it one of the oldest Fairs in the country. It is now also one of the largest. The Fairs were designed as a vehicle for stimulating interest in science and technology among students in middle and high schools in the tri-state area. The philosophy behind the Fairs is that students learn science by doing science.

The Delaware Valley Science Fairs are seeking research-experienced scientists, engineers or technologists willing to volunteer one day of their expertise to help one of the most important science education programs in the Delaware Valley.

The ASM International Foundation has traditionally supported Science Fairs throughout the country and offers awards to projects focused on Materials Science and Engineering. We can help by volunteering to Judge these special awards, or any other category. Our local Fair will be held in Fort Washington in April 4-6.

For more information visit their website <http://www.drexel.edu/dvsf/> or contact Howard Cheetham at howard.cheetham@comcast.net or John Janiszewski at jjaniszewski@ltk.com.

High School Essay Contest

Three \$100 awards will be given to high school students. To enter the contest, write an essay no more than 500 words on the following topic: *"Developments made by materials engineers have allowed for significant technological advancements in a variety of fields."*

1. Choose an object that has been significantly improved through the work of materials engineers (suggestions are listed below).
2. Compare the historical technology to the current state of the art technology of the object.
3. Describe how advancements in materials engineering improved that item.

Examples:

- Automobile: paint, bumpers, body, windows/glass, engine block, etc.
- Medical: dental fillings and implants, etc.
- Electronic Devices: computer processors, flat panel televisions
- Clothing/Fabrics: Stain resistant carpeting, moisture wicking clothing
- Sports Equipment: Hockey stick, tennis racquet, baseball bat, kayak

Please submit the following application form, along with your type written essay to Attn: Elizabeth Hoffman, Dept of Materials Science and Engineering, 344 LeBow, Drexel University, 3141 Chestnut St., Philadelphia, PA 19104. Applications will be accepted no later than February 1, 2006. Winners will be notified no later than March 31, 2006. Questions regarding the essay contest can be directed to: materialsessaycontest@gmail.com.

ASM Liberty Bell Chapter 2005 High School Essay Contest Application Form

Last Name _____ First Name _____

Date _____ High School _____

Home Street Address _____

City _____ State _____ Zip _____

e-mail (optional) _____

Phone Number _____

_____ *Check if you would like to learn more about materials science and engineering.*

Materials Camp 2006

Materials Camp 2006 will run from July 10-14th at Drexel University. Applications for our Materials Camp are now available online at <http://www.asm-philadelphia.com/asm.html/materialscamp.html> or just click the link on any page of our Chapter website.

Please pass this on to any High School students and teachers that you know.

ASM Liberty Bell Chapter 2006 Scholarships

In the academic year of 2005-2006, the Philadelphia Liberty Bell Chapter will provide three scholarships (\$1500.00 each) to college engineering students who intend to pursue a career in Materials Science. All eligible students are encouraged to apply. One full-page essay (single spaced, Arial font, with font size between 10 to 12), stating his/her commitment to the Materials Science profession, will be required. Please contact Dr. Kei-Peng Jen at Villanova University for the application form and details (e-mail: kei-peng.jen@villanova.edu; 610-519-7311). Application deadline is March 1, 2006.

Yearbook Advertising Campaign Begins!

The Liberty Bell Chapter advertising committee is putting together the advertisers' list for the 2006-2007 chapter yearbook. ***The Liberty Bell yearbook is seen by over 900 materials professionals and companies in the Delaware Valley and South Jersey.*** And, it has been consistently recognized by ASM International as one of the top chapter publications worldwide. Professionally put together and printed, the Liberty Bell yearbook provides a focused method of getting your company's products and services in front of the people who use them!

If you would like to reserve preferred space or for more information including ad options and rates, please contact Advertising Committee chair, Mike Drakeley at 215-721-1502 ext. 203 or mjd@solaratm.com.

Welcome New Members

Richard E. Bearhalter	Newage Industries, Inc.
Joseph M. Bohen	Arkema Inc.
Fred P. Davis	Handy & Harmon Tube
Patrick G. Doyle	NAVAIR, Lakehurst
Tom Lewis	Sermatech International
Michael Novakovic	MCCI
Lawrence J. Pologruto	Rowan University
Samir J. Serhan	Selas Fluid Processing Corp.
David Tawil	Magnesium Elekton

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.

Advertisers in the 2005-2006 ASM Yearbook

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