



Philadelphia Liberty Bell Chapter Newsletter



www.asm-philadelphia.com

Thursday, September 20, 2007

Opening Night

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



Speaker:

EDWIN WETZEL, P.E.

Professional Corrosion Service, Inc.

Topic:

Underground Galvanic & Stray Current Corrosion, Understanding Conditions & Implementing Solutions

Edwin A. Wetzel, P.E. began his corrosion engineering career in 1978 in Philadelphia, PA as a co-op student for A.V. Smith Engineering Company. In 1983 he earned a bachelor of science in electrical engineering from Drexel University and shortly thereafter earned his Cathodic Protection Specialist certification from NACE. In 1990 he earned his first professional engineering license in California and is currently registered in 8 states with additional registrations pending in Colorado and Arizona.

Mr. Wetzel currently operates his own business, Professional Corrosion Service, LLC, a small consulting engineering firm specializing in all aspects of corrosion engineering. His most recent projects include 2nd Avenue Subway design of corrosion control systems in New York, New York, design of corrosion control systems for Dulles Transit Extension in Virginia, Sound Transit QA engineer in Seattle Washington, QA engineer for Charlotte CATS LRT system in North Carolina, QA manager for track and

cathodic protection for Valley Metro Rail in Phoenix Arizona, corrosion engineer for multiple power plants for Calpine Corporation and numerous other projects.

TOPIC: Underground Galvanic and Stray Current Corrosion, Understanding Conditions and Implementing Solutions

Corrosion of underground and ground-connected structures is often caused or accelerated by electric currents caused by connection of dissimilar metals or stray currents. This presentation will discuss several case histories to provide insight into the importance of application of corrosion engineering to large civil projects. The three case histories provide examples of the conditions which should be considered and what problems can occur if they are not. For each case, there will be a discussion of the solutions which could have avoided the additional costs, delays, and litigation.

Technical Chairperson
TBA

Meeting Sponsors:
Stork MMA Testing Labs
Laboratory Testing Inc.

Dinner Menu
Fresh Garden Salad
Pot Roast of Beef
Glazed Baby Carrots
Parslied Red Potatoes
Ice Cream Cake w/Chocolate Sauce

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 (2007-2008)

Air Products & Chemicals Co.
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Ajax Electric Company
Apollo Designs
B & G Manufacturing Co. Inc.
Conroy Engineering Co. Inc.
Craig Clauser Engineering Consulting Inc.
Delaware Valley Utility Advisors
DEPTCOR - NJ Dept. of Corrections
Donovan Heat Treating Company

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Inductotherm Corporation
Laboratory Testing, Inc.
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Rex Heat Treat
Solar Atmospheres, Inc.
Solar Manufacturing Inc.
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Superior Tube Company
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Robert Wooler Company

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Drexel University
Temple University
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Villanova University
William Tennent High School
Williamson Trade School

Chapter Officers 88th Year

David Von Rohr, Chairperson
Stork MMA Testing Laboratories

Tim Steber, Vice Chairperson
Solar Atmospheres, Inc.

Mark Heuberger, Secretary
Superior Tube Co.

Ron Smith, Treasurer
Materials Resource International

Robert DeKalb, Executive Secretary
Robert Wooler Co.

Fred Klock, Exec. Treasurer
SPS Technologies, Retired

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

Contact Chapter Chairperson David Von Rohr at 215-579-7500 or email him at David.vonRohr@stork.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 Jim Watters at his email address:

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.

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 mailing list for this newsletter. So please do not send information to the return address on this newsletter.



Chairperson's Message

September, 2007

Welcome to the fall of 2007 at your local ASM chapter. I hope everyone had a great summer, and I know we are looking forward to a wonderful fall now that all that heat is behind us.

The summer months for our chapter were not as slow as I had anticipated, and your E & O committee worked right through them in an effort to give your chapter every advantage it can in the coming year.

Leadership Days was held in Salt Lake City Utah this year in lieu of the traditional Materials Park site in Cleveland Ohio. The major concern of ASM this year was that the venue for leadership days would take away from the actual training itself. I assure you, the schedule was so full, I still have no idea what Salt Lake City looks like. Having never been to a leadership training course for ASM, I was quite surprised at the amount of seminars, training sessions and other courses that were available to the leadership. The amount of information that was smashed into that brief weekend was incredible, almost to the point of impossible. One very interesting thing I did learn about our five star chapter is that we are one of the most impressive chapters in the ASM community, and with the current pool of members we have, we can achieve even greater heights.

The Liberty Bell chapter of ASM also held its third, and quite successful, Materials Camp at Drexel University the last week of June. I would like to encourage all of our membership to participate in this event in one fashion or another. Materials Camp allows us to interact with the youth of our area that is still in high school and has yet to decide on what type of college education they are going to pursue. It is at this time we introduce them to materials engineering in an effort to inform, bedazzle and engage them in healthy learning concepts in the brief overview of our chosen profession.

In closing, I would like to take this opportunity to ask everyone to attend a meeting or two this year and to bring a friend, fellow member or someone who would possibly become a member. Together, we can grow and build our chapter to enable us to do more and better things in the future.

Sincerely,

David Von Rohr
2007-2008 Chairperson

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.

Upcoming Events...

9-20-07	Thursday	Opening Night with ASNT Topic: Underground Galvanic & Stray Current Conditions, Williamson Restaurant, Horsham, PA	6:00 pm
10-18-07	Thursday	Young Members Night Topic: Flow Forming, Williamson Restaurant, Horsham, PA	6:00 pm
11-?-07	Tuesday	MEI Course - ? SPS Technologies	

Awards Announced at May 2007 Meeting

The following awards were announced at the May meeting:

Adolph Schaefer Special Achievement Award.	Jeff Waldman
Delaware Valley Metals Person of the Year.	Dr. Richard Knight
Meritorious Service Award.	Fred Klock
Metallurgical Engineering Assistants Award.	Michael Brill & Barry Bryan
Outstanding Company Support Award.	Stork MMA Testing Labs
Philadelphia Chapter Distinguished Service Award.	Ed & Terry Mazeika
President's Award.	Don Jordan
Young Member Award.	Christopher Hovanec

The following two awards will be presented in 2008:

William Hunt Eisenman Award.	James Conybear
Albert Sauveur Lecture Award.	Roger Doherty, Ph.D.

2007 Charles F. Burns, Jr. Postgraduate Poster Contest Winners

The annual C.F. Burns Memorial Poster Contest was held at the April meeting. Competing graduate students display a poster that describes their research activity. Each student then makes a three-minute presentation, which is followed by questions. The decisions regarding awards are made by a committee of three chapter members. Cash prizes are handed out during the meeting. The April 2007 winners were:

First Place - Jessica Schiffman - Drexel University; Chitosan Nanofibers and Concept Nanofibers - Conception to Application \$500.00 award

Second Place - Chris Hovanec - Drexel University; Microstructure Evolution & Mechanical Properties of Severely Deformed Aluminum Alloys \$300.00 award

Third Place - Aaron Sakulich - Drexel University; A Partial Solution to the Mysteries of the Great Pyramid

2007 Scholarship Winners

The Philadelphia Chapter announced the award of three \$1500 scholarships at the May meeting. The awardees are:

- AW (Doc) Grosvenor Scholarship** - Eric Brenner - Drexel University
- Anthony Gallacio Scholarship** - Laura Lucca - Penn State
- Joseph J. Weisser Memorial Scholarship** - David Steinmetz - Drexel University

Materials Camp 2007

Our third annual Materials Camp was held June 25th through June 29th. It was again hosted by the Drexel University Department of Materials Science and Engineering. The highly interactive lab-based activities made for an enjoyable learning experience for the students. A highlight of the camp was a tour of the Boeing Rotorcraft Facility in Delaware County, PA. The plant manufactures helicopters and the V-22 Osprey for the military.

We have started the planning process for the 2008 Materials Camp. Anyone interested in donating or attending can contact any of the Chapter officers or obtain additional information from our web site: www.asm-philadelphia.com.

We gratefully acknowledge and thank Drexel University, Department of Materials Science and Engineering and Boeing Rotorcraft for making available their facilities and personnel.



Welcome New Members

Curtis W. Compton	Synthes
Dennis R. Davis	Matcor
Todd Fischer	Newage Testing Instruments, Inc.
Paul Goldberg	Consulting Engineers, Inc.
Huseyin Guzel	Aerospace Manufacture Inc.
Gordon J. Howard	Superior Tube Inc.
Mark Heuberger	Superior Tube Inc.
Steve Sciutto	Stein Seal Co.

Golf Outing



Enjoying the golf outing on June 4th were: from left, Doug Holloway of LTI, John Sherman of Rex, Glen Derstein of LTI, and Chris Constable of Rex Heat Treat.

Print Newsletter Will be Discontinued in January

The traditional blue ASM printed newsletter will not be printed after November. For the January newsletter only the E-mailed version will be produced. Some members will wish to continue to receive a hard copy. We have members who do not have e-mail, and we have others who just like getting a reminder in the mail. We will be sending out a postcard to all chapter members this fall. You will be asked if you wish to continue to receive a hard copy of the newsletter. If you do wish to receive it in this form, you **MUST** check yes and return the postcard to the chapter. For January through May of 2008 you will receive a copy of the e-newsletter, but it will be mailed in printed form to your current address. This will save the chapter money for printing and mailing costs, and it will allow us to provide information in a more timely fashion. More details will follow in the October and November newsletters.

Now Sending E-Newsletter

During the 2007-08 Chapter year, the Liberty Bell Chapter will have an e-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 dvua@comcast.net.

MEI course - "Practical Heat Treating"

The Liberty Bell Chapter of ASM and the Greater Philadelphia Section of ASNT will be offering its MEI Course starting in November. Complete details will be included in next month's newsletter.

Advertisers in the 2007-2008 ASM Yearbook

Air Products & Chemicals, Inc.	Laboratory Testing, Inc.
Allied High Tech Products, Inc.	Leco Corporation
Apollo Designs	Materials Resources International
Benedict-Miller LLC	Micron, Inc.
Bennett Heat Treating & Brazing Co., Inc.	Newage Testing Instruments, Inc.
Buehler Ltd.	Penn Stainless Products
Castle Metals	Pressure Technology, Inc.
Consarc	Rex Heat Treat
Craig Clauser Engineering Consulting Inc.	A.L. Singmaster Personnel Svcs.
Delaware Valley Utility Advisors	Solar Atmospheres, Inc.
Electron Energy Corp.	Solar Manufacturing Inc.
Evans Heat Treating Co.	Stork -MMA Testing Labs
Extec- Excel Technologies Inc.	Struers, Inc.
Forensic Sciences, Inc.	Superior Tube Company
Hoeganaes Corporation	Tinius Olsen Testing Mach. Co., Inc.
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