



# Philadelphia Liberty Bell Chapter Newsletter



[www.asm-philadelphia.com](http://www.asm-philadelphia.com)

Thursday, May 18, 2006

## Honors & Past Chairmen Night

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

ASM members who have devoted their time and energy to the Liberty Bell Chapter will be thanked at the Honors and Past Chairmen Night.

The Awards Committee selects the award recipients, the Chapter Chairperson makes his selection for the President's Award and the Scholarship Committee chooses the Scholarship winners.

The contributions of Chapter members and Past Chairmen are recognized at this final general meeting of the year.



*Liberty Bell Chapter's Past Chairmen in attendance May 19, 2005.*

### Technical Chairperson

Roger Jones  
Solar Atmospheres, Inc.

### Meeting Sponsors:

Air Products and Chemicals, Inc.

### Dinner Menu

Buffet - Choice of:  
Sliced Roast Top Sirloin of Beef  
Stuffed Shells  
Baked Fresh Salmon w/Dill Sauce  
Stuffed Breast of Chicken  
Fresh Garden Salad  
Oven Browned Potatoes  
Broccoli Au Gratin  
Chocolate 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](http://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)

Air Products & Chemicals, Inc.  
Ajax Electric Company  
Allied High Tech Products, Inc.  
Apollo Designs  
B & G Manufacturing Co. Inc.  
Bristol Steel Treating  
Buehler, Ltd.  
Carpenter Technology Corp.  
Clemex Corporation  
Conroy Engineering Co. Inc.  
Consulting Engineers, Inc.  
Craig Clauser Engineering Consulting Inc.  
Delaware Valley Utility Advisors  
DEPTCOR - NJ Dept. of Corrections  
Donovan Heat Treating Company

Dynatec Process Systems, Inc.  
ECRI-MSLB  
Edward A. Boll Co. Inc.  
Electro Science Laboratory  
EMSL Analytical Inc.  
Exelon PowerLabs  
Forensic Sciences Inc.  
Fredericks Company  
Handy & Harman Tube Company  
Hoeganaes Corporation  
Houghton International Inc.  
Inductotherm Corporation  
Laboratory Testing, Inc.  
Leco Corporation  
Lehigh Testing Laboratories Inc.

LTK Engineering Services  
Magna-Tech P/M Laboratories  
Metlab  
National Basic Sensor  
Newage Testing Instruments, Inc.  
Penn Stainless Products  
Pressure Technology, Inc.  
Ramball Testlab, Inc.  
Rex Heat Treat  
A.L. Singmaster Personnel Svc.  
Solar Atmospheres, Inc.  
Solar Manufacturing Inc.  
SPS Technologies, Inc.  
Stork MMA Testing Labs  
Superior Tube Company

Tinius Olsen Testing Machine Co., Inc.  
Ugine Stainless & Alloys Inc.  
Vacuum Furnace Systems  
Robert Wooler Company

### Institutional Members

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

## Chapter Officers 86th Year

Travis Nelson, Chairperson  
Materials Resources International

Howard Cheatham, Vice Chairperson  
SmartSense Consulting

David Von Rohr, Secretary  
Stork MMA Testing Laboratories

Tom Reid, Treasurer  
United Terex, Inc.

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 Travis Nelson at  
215-631-7111 x103 or email him at  
tnelson@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

## Please Update Your Membership Information Annually

We are about to start production on the 2006-2007 ASM Yearbook. Please take the time to update your Membership Information, i.e. changed email address, phone number, etc. To make a change to your membership listing or your company affiliation listing, you 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 email and mailing list for this newsletter and yearbook. *So please do not send information to the return address on this newsletter.*



## Incoming Chairman's Message

May, 2006  
DIVERSITY !!

I think this is the one word that best describes what today's ASM is about. We live in an ever-changing world. No longer does ASM concentrate solely on traditional metals. Approximately 20 years ago, the "M" in ASM changed from Metals to Materials. Although metals still are a major concentration, we now also deal with composites, ceramics, semi-conductor metalization, and many other non-traditional materials.

In the not-too-distant past, the Philadelphia area had many large manufacturing companies, each employing dozens of people involved with materials. They were all potential ASM members and became the backbone of the membership in our chapter. We are lucky enough to still have a few of these types of companies such as SPS and Boeing. However, the majority of our existing and potential members are from hundreds of small companies representing many diverse industries. It is a major challenge to identify these companies and recruit new members to ASM.

Due to the many factors such as mergers, acquisitions, and foreign competition, dynamics in the workplace has changed dramatically. We now rarely see anyone spend their entire career with one or two companies. My father worked more than 40 years at E.H. Houghton. I have been fortunate enough to work 20 plus years with two different companies. This is in contrast with my daughter, a class of 2000 college graduate. She recently started her fourth job, since graduation. This constant movement in the workplace represents another challenge in maintaining our membership.

One-income households are vanishing quickly. This creates family pressure, which for many people precludes active membership in ASM or any other professional society. This is yet another challenge to overcome.

I have been an ASM member for 20 years. Although I have always regularly attended meetings, I only became active in chapter operations four years ago during Don Jordan's term as chairperson. I was and still am amazed at the level of competence and dedication of the members of the executive and operating committees. I have derived great satisfaction in working with such a great team and wish I had become more involved years earlier.

We are a chapter with a proud tradition of excellence. We face many challenges, particularly in sustaining and hopefully increasing our membership. On the positive side, we have a great nucleus of members willing to do whatever it takes to maintain the superior reputation of our chapter. A perfect example was last year when we conducted our first materials camp. The efforts of many dedicated individuals made it an overwhelming success.

I am particularly encouraged by the recent influx of involved younger members. I invite you all to become active members. Do not wait as long as I did. You will enjoy the experience. I am honored to have been selected to lead this chapter in the 2006-2007 year, and I am fortunate to have a dynamic team of officers to help me. With their dedicated assistance I am confident that I will be successful in leading the chapter to continued excellence.

I want to thank Travis Nelson, our outgoing chairperson, for giving the chapter a year and a half of exemplary leadership. He proved himself mature beyond his years. Travis and I are a perfect example of our diversity. He is young and early in his evolving career. I am more seasoned (sounds better than old) and winding down my career. He has a technical education and has acquired business and management skills. I have a business management education, and have acquired technical knowledge. Travis will be a tough act to follow, but with the help of our dedicated membership and team of officers, I will do my best to keep our chapter on the path of excellence.

Tom Reid  
Chairperson 2006-2007

## Upcoming Events...

5-6-06	Saturday	<b>Spring Dinner Dance</b> Old York Road Country Club	6:00 pm
5-18-06	Thursday	<b>Honors &amp; Past Chairperson's Night</b> Dedicated to All Past Chairpersons, Williamson Restaurant, Horsham, PA	6:00 pm
6-5-06	Monday	<b>Golf Outing</b> Limekiln Golf Club; Shotgun start at 8:00 am	



## Outgoing Chairman's Message

May, 2006

Greetings and Salutations, Philadelphia's ASM Chapter!

This will be my last message to you as Chairman, and I have appreciated the positive feedback I've received regarding some of my words in this space. In retrospect, it appears that my trepidation over taking the helm of the *S.S. Liberty Bell Chapter* was somewhat unwarranted, if only because it

turns out that I had about two dozen First Mates on the Executive and Operating committee to help me steer. And steer we did. Through the rocky rapids of *Emergency Interim Chairman Reef*, into the uncharted *Sea of Local Materials Camp*, around the *Cape of Last-Minute Speaker for National Officer's Night*, through the *Strait of Industrial Tours* and into the *Cove of Sustaining Members*, we've certainly had a great trip. Thanks for staying on-board!

Now venturing into our second Materials Camp at Drexel University, Vice Chairman and Materials Camp Chairman Howard Cheetham, who truly has been my right hand and more in many respects this year, has sought help from members and companies and has gotten support from many of you (though donations are always needed and still welcome). It is hoped and planned that this venture will become a permanent part of the landscape for the Philadelphia ASM Chapter, but that will only be feasible with your continued support in time, energy, money and materials. Somewhat sadly, Howard will be "jumping ship" at the end of this ASM year, heading to North Carolina, where I'm sure he will find ways to serve the Carolinas Central Chapter of ASM as ably and enthusiastically as he has served ours. Best wishes to him.

My thanks to all of you who have supported and participated in events that ASM has put together this year, and especially to those who have served on or and/or chaired any of our many operating committees. There is no better way to get more from your ASM Membership than to give to ASM, a lesson I hope that more of us will have to opportunity to learn in the coming year, under incoming Chairman Tom Reid.

It has been a pleasure and a learning experience to serve you in the past year.

Sincerely,  
Travis M. Nelson  
2005-06 Chairman

## THE 19th ANNUAL GOLF OUTING

Hosted By The Greater Philadelphia Section of ASNT will be a joint outing with the Liberty Bell Chapter of ASM International

**MARK YOUR CALENDARS: WIN A SET OF GOLF CLUBS!!  
CLOSEST TO THE PIN, LONGEST DRIVE, PUTTING CONTEST**

**Monday, June 6, 2005**

Registration - 7:00 a.m. • Golf - 8:00 a.m. (Shotgun Start) • Buffet - 1:30 p.m.  
at the LIMEKILN GOLF CLUB - 1776 Limekiln Pike, Ambler, PA

The 19th Annual Golf Tournament has been scheduled and reservations are now being taken. The cost of this outing is only \$95.00, if paid by May 25, 2006, \$100.00 if paid after May 25, 2006. Price includes golf fees, golf cart, buffet, refreshments, and prizes.

Hole Sponsors are being sought for this event at all holes. The cost of becoming a Hole Sponsor is only \$85.00. A "Sponsor Sign" is included in the cost and will be displayed at your hole.

### Golf Outing Reservation, Limekiln Golf Club, Monday, June 6, 2005

RSVP: Golf/Hole Sponsor by Monday, May 23, 2005

Cost: \$95:00 - Golf & Buffet \_\_\_\_\_ (Number) \$85:00 - Hole Sponsor \_\_\_\_\_ |

Foursome:

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

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

Amount Enclosed: \_\_\_\_\_ Checks Payable to "Greater Philadelphia Section of ASNT"

**NOTE: Payment required by May 25, 2006 for discount. No refunds for Golf & Buffet after May 29, 2006.**

Return to:  
Anthony Gatti - Kingsbury, Inc.  
10385 Drummond Road  
Philadelphia, PA 19154

Golf Committee:  
Vince Roding (610) 461-6238  
Fred Klock (215) 659-8424  
Anthony Gatti (215) 824-4000

Directions to Limekiln Golf Club: Limekiln Golf Club is located in Horsham Township, Pennsylvania, on Limekiln Pike (Rt.#152), 1/2 mile north of Horsham Rd. (Rt.#463). Heading north, the driveway is on the right side of Limekiln Pike, across from Whitemarsh Memorial Park.

## Materials Camp 2006

Materials Camp 2006 will run from July 10-14th at Drexel University. Applications for Materials Camp are now available online at [www.asm-philadelphia.com/asm.html/materialscamp.html](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.

### 2006 Materials Camp Sponsors (to date):

#### Bronze Sponsorship (\$500)

Boeing Helicopter  
Handy and Harmon Tube Co.  
Materials Research and Design

#### Steel Sponsorship (\$250)

Johnson Matthey  
Mittal Steel (ISG Plate, Coatesville)  
Harry Miller Corp.  
Stork MMA

#### Individual Sponsors

Dave Von Rohr

## 2006 High School Essay Winners

Each Winner will receive a \$100 Check:

Luke Giordano, Bishop McDevitt HS, Philadelphia  
Julian Stepanuk, Springside School, Philadelphia  
Julian Fuller, Woodstown High School, Monroeville, NJ

## Delaware Valley Science Fairs Competition

Each year, the ASM International Foundation sponsors four awards for the "Most Outstanding Exhibits in Material Science at the Delaware Valley Science Fairs. At this year's fair, held April 5-7, 2006, **the four award recipients were:**

*Mark LaSorda*, Methacton High School, "Tensile Properties of Thermoplastic and Thermoset Materials", Grade 12  
*Shaun McElhinney*, Abington High School, "Testing the Heat Characteristics of Roofing Material", Grade 11  
*Evan Meyer*, Central High School (Philadelphia), "Comparing Wet Impregnation of Copper Nitrate to Molten Salt Infiltration of Copper Nitrate in Solid Oxide Fuel Cells", Grade 10.  
*Franz Sauer*, High Technology High School (New Jersey), "Maglaunch, A Magnetic Levitation Launch Assist System", Grade 10

These projects were chosen from 62 projects identified as materials-related. The winners will receive a certificate and medal from the ASM Foundation. All the students with materials-related projects will be sent brochures with information about this June's Materials Camp.

Our chapter supplied four judges: Howard Cheetham, John Janiszewski, and Ken Moyer judged the ASM special award; Frank Boyle led the team judging the Grades 6-8 engineering category. Volunteers to judge this competition are always welcome; for more information, contact John Janiszewski at [jjaniszewski@ltk.com](mailto:jjaniszewski@ltk.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.

## Support Our Chapter by Advertising

The Liberty Bell Chapter advertising committee is putting together the 2006-2007 chapter yearbook. If you would like more information about advertising, please contact Mike Drakeley at 215-721-1502x203 or [mjd@solaratm.com](mailto:mjd@solaratm.com).

## Advertisers in the 2005-2006 ASM Yearbook

Air Products & Chemicals, Inc.  
 Allied High Tech Products, Inc.  
 Apollo Designs  
 Benedict-Miller LLC  
 Bennett Heat Treating & Brazing Co., Inc.  
 Buehler Ltd.  
 Castle Metals  
 Consarc  
 Consulting Engineers & Scientists, Inc.  
 Craig Clauser Engineering Consulting Inc.  
 Delaware Valley Utility Advisors  
 Drexel Univ., Dept. of Mat. Eng.  
 Electron Energy Corp.  
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 Extec- Excel Technologies Inc.  
 Forensic Sciences, Inc.  
 Hoeganaes Corporation  
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 Inductotherm Corporation  
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 Solar Atmospheres, Inc.  
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 SPS Technologies, Inc.  
 Stork -MMA Testing Labs  
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 Villanova University, Dept. of Mech. Eng.  
 Westmoreland Mech. Testing Machine  
 Williamson Restaurant  
 Robert Wooler Company