



# Philadelphia Liberty Bell Chapter Newsletter

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

Thursday, September 15, 2005

## Opening Night

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



**Speaker:**  
**KATHIE E. MORGAN**  
ASTM International

**Topic:**  
International Standardization: Interface of ASTM and ISO Standards

Kathie E. Morgan is General Manager, Technical Committee Support for ASTM International. Kathie joined the staff of ASTM International in 1984. She has served as staff manager and director until assuming her current position in 2002. As General Manager, Kathie oversees various support departments for ASTM including Meetings Services and Committee Services. She has a BS Degree in Chemical Engineering from Lafayette College and an MBA from Widener University.

**TOPIC: International Standardization: Interface of ASTM and ISO Standards**

With the increased globalization of trade and commerce, standards have a direct impact on market penetration and competi-

tiveness. How is the standards development process responding the globalization of business? Should the product be built to the standards of the manufacturer or the purchaser? What standards development process should be used? ASTM International, one of the largest voluntary standards development organizations in the world, has numerous initiatives underway to globalize its standards development process and expand the broad based use and application of ASTM standards. In this presentation, Kathie Morgan, General Manager of Technical Committee Support, ASTM International, will discuss the changing world of global standardization including recent ASTM initiatives and coordination between ASTM International and the International Standards Organization (ISO).

**Technical Chairperson**

Jay Millane  
Tinius Olsen Testing Machines Co., Inc.

**Meeting Sponsors:**

Stork MMA Testing Labs  
Materials Resources International  
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](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 Co.  
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  
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 Cheetham  
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](mailto: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](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.



## Chairperson's Message

September, 2005

Greetings fellow materials enthusiasts!

I hope that everyone reading this had a relaxing, hard-earned rest of some sort over the summer months, and I know that we are all looking forward to a new year with the Philadelphia ASM Chapter.

This summer, while you were on vacation (either from ASM or from your job in general), several of our fellow members were hard at work making sure that the first ever Philadelphia ASM Materials Camp was a success. Rick Knight, Liz Hoffman and the rest of the team at Drexel managed to get through an entire week without losing any of the 20 high school students in attendance, and I have it on good authority that some of them even learned something! Howard Cheetham, who chaired the committee, will attend a seminar in September to present some of our successes and challenges with this Camp and to learn from other ASM members around the world who have also sponsored camps like this.

We completed another Five-Star year in 2004-05, and your Executive and Operating Committee members are working hard year-round to make sure that the Liberty Bell Chapter is perennially one of the best run and successful chapters in ASM International, and 2005-06 looks to be no exception to that rule. We have a great lineup of technical talks in store for this year, some social events, plant tours and other networking opportunities for you.

Is something missing? Is there a suggestion or comment you have about how the Liberty Bell Chapter might offer its membership more or work better? Let us know. Feel free to volunteer your suggestions, or better yet, your time.

Here's looking forward to a great year!

Yours truly,  
Travis M. Nelson  
2005-06 Chapter Chair

## 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...

9-15-05	Thursday	<b>Opening Night with ASNT</b> Topic: International Standardization: Interface of ASTM & ISO Standards, Williamson Restaurant, Horsham, PA	6:00 pm
10-5-05	Thursday	<b>TOUR: Handy and Harm Specialty Tube Co.</b> Whitehall Rd and Township Line Rd, Norristown, PA	3:00 pm
10-20-05	Thursday	<b>Young Members Night</b> Topic: Failure Analysis of Space Shuttle Columbia Components, Williamson Restaurant, Horsham, PA	6:00 pm
11-8-05	Tuesday	<b>MEI Course - Welding Inspection &amp; Quality Control</b> SPS Technologies	
11-17-05	Thursday	<b>National Officers Night / Joint Mtg. with Lehigh ASM Chapter</b> Topic: Progress in Growth of Diamond Crystals, Williamson Restaurant, Horsham, PA	6:00 pm

## Awards Announced at May Meeting 2005

The following awards were announced at the May meeting:

Adolph Schaefer Special Achievement Award. ....	Don Jordan
Delaware Valley Metals Person of the Year. ....	John Rex
Meritorious Service Award. ....	Harry Antes
Metallurgical Engineering Assistants Award. ....	Mike Moffitt
Outstanding Company Support Award. ....	Materials Resources Intl.
Philadelphia Chapter Distinguished Service Award. ....	John Janiszewski
President's Award. ....	Dr. Richard Knight
Young Member Award. ....	Elizabeth Hoffman
The following two awards will be presented in 2006:	
William Hunt Eisenman Award. ....	Patrick J. McGeehan
Albert Sauveur Lecture Award. ....	Sam Nash, Sc.D.

## 2005 Charles F. Burns, Jr. Postgraduate Poster Contest Winners

The following three winners were announced at the May meeting:

- First Place** - Dejan Stojakovic - Drexel University
- Second Place (Tie)** - Hui Li - Drexel University and David Mattice - Drexel University



## 2005 Scholarship Winners

- AW (Doc) Grosvenor Scholarship** - Stephen Niezgodna - Drexel University
- Anthony Gallacio Scholarship** - Madeline Flynn - Villanova University
- Joseph J. Weisser Memorial Scholarship** - Anthony Coratolo - Drexel University

## Liberty Bell Chapter's First Materials Camp

Here are just some of the great comments that we received from the students that attended our first Materials Camp. I think we can say that it was very successful!

*"Thank you for allowing me to take part in this great opportunity.*

*The camp was fun... everyone was friendly, I don't want to leave.*

*It was a great experience ... very likely that I will study to become a Materials Engineer... enjoyed the week... would recommend... very interesting... loved the "material mentors"... Fun!... I loved the Materials Camp!*

*I had a wonderful time... a great experience. "*

The camp ran from June 27th to July 1st and was attended by 20 students from all around the Philadelphia area. Drexel University provided the venue and strong support from the faculty, as well as 14 fantastic volunteer grad students that handled the labs, lectures and generally looked after the students. During the week the students learned about the Samurai sword, and then did steel heat treatments and mechanical properties. They looked at bio- and nano-materials and were introduced to the electron-microscope. They experimented with ceramics and polymer slimes and foams. The highlight for all was building their own composite bridges and then testing them to destruction on the last day.

**Sponsors and supporters of the Materials Camp - the following provided funds, resources, materials and/or tours:**

- |   |                               |
|---|-------------------------------|
| Drexel University, Dept. of Mtls. Sci. & Eng. | Boeing Helicopter             |
| The ASM Materials Education Foundation        | Lockheed Martin Space Systems |
| SPS Technologies                              | Stork MMA Testing Labs        |
| Solar Atmospheres                             | LECO Corporation              |
| Laboratory Testing, Inc.                      | Rohm and Haas                 |
| Mittal Steel USA                              | Mr. David Von Rohr            |
| Materials Resources International             | NJ Deptcor                    |

## Tour: Handy and Harman Specialty Tube

The Professional Development Committee is pleased to announce a tour of Handy and Harman Specialty Tube, Norristown, PA, for Chapter members. The tour will be conducted on Thursday, October 6, 2005 at 3:00 p.m. Handy and Harman produces a wide variety of tubing products, and this is an excellent opportunity to become metallurgically educated in the world of tubing manufacture. Handy and Harman have requested that we give them an accurate number of attendees before the tour. Therefore, those attending must notify Don Jordan by Friday, September 30, 2005. Don can be reached at [dj@solaratm.com](mailto:dj@solaratm.com) or 215-721-1502x206. Handy and Harman is located at Whitehall Rd. and Township Line Rd., Norristown PA.

## Welcome New Members

- |                       |                               |
|-----------------------|-------------------------------|
| Mostafa Elkhiam       | Diesel Engine Transformation  |
| Luis A. Hinojosa      | Holtec International          |
| Ufuk Senturk          | PQ Corporation                |
| Richard J. Trasferini | New Jersey Air National Guard |
| Benjamin Brock        | Hunter Chemical LLC           |
| Memduh Demirbas       | Rutgers University            |
| Joshua Finch          | Rutgers University            |
| Alexis Kattamis       | Princeton University          |
| Weiqun Li             | Rutgers University            |
| Michael Vasilik       | Northampton Community College |
| Jun Kameda            | University of Pennsylvania    |
| Joseph Noll           | Pacific Gas & Electric Co.    |
| Kenneth Pugh          | Stork MMA Test Labs           |
| Iyer Ramanathan       | Sigma Corp.                   |

## Now Sending E-Newsletter

During the 2005-06 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. Our current closing date is a full 6 or 7 weeks before the monthly meeting to allow time for printing and third class mail. We shoot for having it delivered during the first week of the month. The e-newsletter will close several weeks later. This will also give you a choice of how you wish to receive the chapter news.

We are planning to include 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 or Anna Whitehead for more information.

## **MEI course - "Welding Inspection & Quality Control"**

The Liberty Bell Chapter of ASM and the Greater Philadelphia Section of ASNT are announcing this year's MEI Course. The first class will be on Tuesday, November 8th at SPS Technologies. Complete details will be included in next month's newsletter.

## **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.  
Evans Heat Treating Co.  
Extec- Excel Technologies Inc.  
Forensic Sciences, Inc.  
Hoeganaes Corporation  
Houghton International Inc.  
Inductotherm Corporation  
Industrial Metal Treating  
Earle M. Jorgensen Co.  
L&L Special Furnace Co., Inc.  
Laboratory Testing, Inc.  
Leco Corporation  
Materials Resources International  
Micron, Inc.  
Newage Industries, Inc.  
Penn Stainless Products  
Pressure Technology, Inc.  
Ramball Test Lab, Inc.  
Rex Heat Treat  
A.L. Singmaster Personnel Svcs.  
Solar Atmospheres, Inc.  
Solar Manufacturing Inc.  
SPS Technologies, Inc.  
Stork -MMA Testing Labs  
Struers, Inc.  
Superior Tube Company  
Tinius Olsen Testing Mach. Co., Inc.  
Vacuum Furnace Systems, Corp.  
Villanova University, Dept. of Mech. Eng.  
Westmoreland Mech. Testing Machine  
Williamson Restaurant  
Robert Wooler Company