Our Sustaining Member Night is a very busy evening. We have a Mini-Expo for all of our Sustaining Members to participate in. Because of the Expo, our social hour at the beginning of the meeting is extended. We also invite the winners of the Delaware Valley High School Science Fair to bring their displays to the Expo. Our Scholarship winners for the year are announced and have their scholarships presented to them at the meeting.

During the social hour, there is also the C.F. Burns Memorial Poster Contest. We invite graduate students in the Philadelphia area to participate in the contest, with monetary prizes for 1st, 2nd and 3rd place awarded. After the prizes are awarded, the 1st, 2nd and 3rd place winners of the C.F. Burns Memorial Poster Contest give a short presentation on their research and work that went into their poster.

The evening is planned with the idea of exposing our Chapter to new and developing research from academia, as well as giving students in the Philadelphia area an opportunity to present their research. We hope you enjoy the evening.

**Technical Chairperson:** Mike Moyer, Solar Atmospheres, Inc.

**Meeting Sponsors:** Solar Atmospheres and Materials Engineering Consultants

---

**C.F. Burns Poster Contest**

The Liberty Bell Chapter will be holding its 17th Annual Poster Contest for graduate students during our Sustaining Members Night on Thursday, April 19, 2018. This will be the 14th year the contest is sponsored by Solar Atmospheres, Inc. and 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 Mike Moyer at mikem@solaratm.com, or call him at 215-721-1502 x1207.

GOOD LUCK TO EVERYONE!

---

**Joseph Ambler Inn**

4:30pm: E&O Meeting • 5:30 - 7:00pm: Networking Hour • 7:00pm: Dinner/Presentation

**Menu:** Choice of Parmesan Crusted Chicken Breast with Lemon Chardonnay Sauce or Pasta Primavera with Seasonal Vegetables.

(all entrees served with Chef’s Selection of Potato and Vegetable, Coffee, Tea and Iced Tea). Dessert: Cheesecake with Raspberry Sauce.

**Prices:**

- Members and Guests $35
- Retirees $24
- Students and Faculty $15

**Meeting Registration:** PLEASE NOTE**: All reservations must contact Trevor Jones at 215-721-1502 ext 1220 or on our website at http://philadelphia.asminternational.org no later than 1:00 PM on the Tuesday before the meeting to guarantee availability.

---

**Drexel Materials Proudly Supports: The ASM International Philadelphia Liberty Bell Chapter**

**The Power of PdMetrics™**

With the ability to minimize unplanned downtime, reduce costs and place your team’s attention where it’s most important, the PdMetrics™ predictive maintenance software platform helps you save valuable resources in terms of time, energy and focus.

[www.IpsenUSA.com/PdMetrics]
CHAIRPERSON’S MESSAGE

April 2018

As your former Vice Chair for 2017-2018, it is with a heavy heart that I assumed Alicia Gaydos’ term as Chair for 2017-2018 due to her sudden passing in February. Alicia’s messages stressed the importance of attending Chapter meetings and activities and becoming active in this Chapter, not only to learn something new and exciting from our speakers and their programs, but more importantly to socialize, network, and interact among your peers and the years and variety of experiences they cover, both young and old. I recently noticed we get members who only infrequently attend meetings, suddenly do attend when they are between jobs or in some other personal work crisis, or suddenly in need of an added PDH certificate. The time to network and interact with peers is always - not when a crisis arises. This is something discussed at length last month with the new President of the Board of Trustees of ASM International, Dr. Fred Schmidt (aka “MurDoc”), originally of this Chapter, and a long time friend personally, and of this Chapter, as well as all of ASM. This concept of continual learning, not only when required by employers or for Professional Engineers, but rather for continual personal technical, social, and business growth toward constantly improving one’s skills in life. In fact, much of what Dr. Schmidt presented as “lessons learned” was not confined to his professional life as an industrial "last resort” problem solver, which I personally can relate to in the transit and railroad industry, but rather in life in general. Thus, the importance of attending Chapter meetings and activities, as well as expanding one’s involvement in Chapter and ASM committees and programs, all of which lead to professional and personal growth opportunities regardless of one’s stage in life.

This month, we are presenting this Chapter’s annual Mini Expo and C. F. Burns Poster Contest and will also present the awards to the winners of the Delaware Valley Science Fair, which this Chapter co-sponsors. Come out and meet and greet these magnificent young people who represent the future materials engineers and leaders in the materials related industries. This is your chance to get to know them and their work and interests, to mentor them, and, more importantly, to learn from them. Also, soon this year’s ASM Liberty Bell Chapter Scholarship winners will be announced for presentations next month. Come join us this month, meet these young people, and become more involved in your Chapter, for soon this Chapter will be celebrating its Centennial year in 2019 with exciting plans to be unveiled. See you at the April meeting!

Sincerely,
Norman S. Marcus
P. E., Chair 2018-2019

Delaware Valley Science Fair

As in prior years, the chapter participated in the Delaware Valley Science fair. The chapter made an award for the best materials related project in each of the tenth, eleventh and twelfth grade categories. The award consisted of a medallion, a certificate and a $100 cash prize. Award winners and their families were invited to the April chapter meeting to display and explain their projects. Judging took place on Wednesday, April 4, at the Philadelphia Expo Center in Oaks, PA. Thank you to all of the volunteer judges.

PLANT TOUR

On May 3, 2018, from 6-8pm, LTI is offering a plant tour to visit their new state of the art Fracture & Fatigue Test Lab that completed construction this month. We will also be touring our Machine Shop, Non-Destructive Departments including Radiography and Ultrasonic Testing, along with our Destructive Departments including Mechanical, Chemical, and Metallography Testing.

Address: 2332 Topaz Drive, Hatfield, PA 19440

Contact Al Singmaster at 610-687-4970 or singmaster.pa@verizon.net to register!
2018 SUSTAINING MEMBERS

A.L. SINGMASTER PERSONNEL SVC.
APOLLO DESIGNS
B & G MANUFACTURING COMPANY, INC.
CONSULTING ENGINEERS & SCIENTISTS, INC.
CORROSION TESTING LABORATORY
CRAIG CLAUSER ENGINEERING CONSULTING, INC.
DANA CORPORATION
DELAWARE VALLEY UTILITY ADVISORS
ECRI-MSLB
ELEMENT MATERIALS TECHNOLOGY
EXELON POWER LABS
FORENSIC SCIENCES INCORPORATED
FREDERICKS COMPANY/TELEVAC DIVISION
HOEGANAES CORPORATION
IPSEN INC.
LABORATORY TESTING INC.
LECO CORP.
LTK ENGINEERING SERVICES
MAGNA-TECH P/M LABORATORIES
METLAB CORP.
PENN STAINLESS PRODUCTS
PRESSURE TECHNOLOGY, INC.
REX HEAT TREAT
ROBERT WOOLER COMPANY
SOLAR ATMOSPHERES INC.
SOLAR MANUFACTURING INC.
STRUCTURE PROBE INC.
STRUERS INC.
SUPERIOR TUBE COMPANY
TINIUS OLSEN TESTING MACHINE CO., INC.
WE AUTOMATION

INSTITUTIONAL MEMBERS

DREXEL UNIVERSITY
TEMPLE UNIVERSITY
UNIVERSITY OF PENNSYLVANIA
ROWAN UNIVERSITY
VILLANOVA UNIVERSITY
WILLIAMSON COLLEGE OF THE TRADES

UPCOMING EVENTS

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Speaker/Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>04/19/18</td>
<td>Thursday</td>
<td>Sustaining Member / Mini Expo &amp; Poster Contest</td>
<td>Joseph Ambler Inn</td>
</tr>
<tr>
<td>05/17/18</td>
<td>Thursday</td>
<td>Awards and Past Chairs</td>
<td>Joseph Ambler Inn</td>
</tr>
<tr>
<td>06/4/18</td>
<td>Monday</td>
<td>32nd Annual Golf Outing</td>
<td>Limekiln Golf Club</td>
</tr>
</tbody>
</table>

This Month’s E-Newsletter is Sponsored by:

LABORATORY TESTING INC.
www.labtesting.com

Eric Baum
Outside Sales Representative
2331 Topaz Drive, Hatfield, PA 19440

MATERIALS TESTING
NONDESTRUCTIVE TESTING
FAILURE ANALYSIS
CALIBRATION

Cell: 267-664-2142
800-219-9095
Fax: 800-219-9086
ebaum@labtesting.com

CRAIG CLAUSER ENGINEERING CONSULTING, INC.

Craig D. Clauser, P.E.
President
1610 Hunter Circle
West Chester, PA 19380
Phone (610)640-3370
Fax (610)640-3361
cclauser-cceci@comcast.net
Cell (484)678-3371
MARK YOUR CALENDARS FOR THE 32ND ANNUAL GOLF OUTING

Hosted By: The Greater Philadelphia Section of ASNT

Location: Limekiln Golf Club, 1776 Limekiln Pike, Ambler, PA, 215-643-0643

Date: Monday, June 4, 2018

Registration: 7:00am  Golf: 8:00am (Shotgun Start)  Buffet: 1:30pm

Closest to the Pin, Longest Drive, Putting Contest

The 32nd Annual Golf Tournament has been scheduled for Monday, June 4, 2018, and reservations are now being taken. The cost of this outing is only $95, if paid by May 29, 2018, $100 if paid after May 29, 2018. 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. A “Sponsor Sign” is included in the cost and will be displayed at your hole. RSVP: Golf Hole Sponsors by Tuesday, May 29, 2018.

Cost: $95 - Golf & Buffet  ____ Number
$85 - Hole Sponsor

Foursome:

Name: ___________________________________________  Name: ___________________________________________
Name: ___________________________________________  Name: ___________________________________________

Amount Enclosed: _________________  Make checks payable to “Greater Philadelphia Section of ASNT”

Note: Payment required by May 29, 2018 for discount. No refunds for Golf & Buffet after June 1, 2018.

Return Payments to:

Steve Walmsley
C/O Laboratory Testing
2331 Topaz Drive
Hatfield, PA 19440
Cell: 215-272-7205
scwalmsley@verizon.net

This Month’s E-Newsletter is Sponsored by:

---

Philadelphia Liberty Bell Chapter Newsletter

Meeting - Thursday, April 19, 2018

--

Philadelphia Liberty Bell Chapter Newsletter Meeting - Thursday, April 19, 2018

This Month’s E-Newsletter is Sponsored by:

---

Philadelphia Liberty Bell Chapter Newsletter

Meeting - Thursday, April 19, 2018

--

Philadelphia Liberty Bell Chapter Newsletter Meeting - Thursday, April 19, 2018

This Month’s E-Newsletter is Sponsored by:

---
Directions to Joseph Ambler Inn:

From the PA Turnpike (East - West)
Exit at Fort Washington (Exit #339) and follow Rtes. 309 North to Stump Road (traffic light — Acura Dealer). Turn Right onto Stump Road, turn Left onto Horsham Road (traffic light) and Right into our driveway.

From Center City, Philadelphia, the Main Line and City Line Ave
Take the Schuylkill Expressway West (I-76) to I-476 North to the PA Turnpike East. Go EAST and exit at Fort Washington (Exit #339). Follow Rte. 309 North to Stump Road (traffic light — Acura Dealer). Turn Right onto Stump Road, turn Left onto Horsham Road (traffic light) and Right into our driveway.

From PA Turnpike/NE Extension (Rte 476) — Lansdale Exit(#31)
Turn Left from the exit ramp onto Sumneytown pike, follow about 5 miles & turn left onto US-202 North. Turn Right onto Horsham Road and Left into our driveway.

Like us on Facebook!
Follow us on LinkedIn
Check out our website!
http://philadelphia.asminternational.org

This Month’s E-Newsletter is Sponsored by:

Pressure Technology, Inc.
Warminster, PA | Concord, OH

Energy Cost Problems?
- Confused by Electric Dereg?
- No Time to Learn About New Rules, Suppliers, Rebates?
We can help. Call for a Free Review of Your Options and Savings Opportunities.