



## The American Society of Mechanical Engineers

### Election of Officers

The Philadelphia section is about to begin the process of electing officers for the upcoming year. Recently we sent an email to members asking for nominations and participants for the section's executive committee. If you would like to nominate yourself or another member, contact one of the current members of the executive committee list in this newsletter.

Soon you will receive another email with a ballot for electing the sections new officers. We urge you to read the email and make your selection for the officers who will coordinate section activities for the new year.

We are also looking for new people to help manage the section's activities, which range from coordinating student activities to arranging section meetings. If you would like to become involved with ASME on a local level, contact an exec committee member.

### Family Day

The Philadelphia Chapter of the American Society for Mechanical Engineers invites members and their families to join us at the Independence Seaport Museum in Philadelphia on SATURDAY,

On April 5, the section sponsored a family day at the Independence Seaport Museum in Philadelphia. The day was originally forecast for rain but it turned out to be a perfect day for visiting the indoor and outdoor parts of the museum. If you were not able to take advantage of the day, you should consider visiting the museum in the future.

The Museum highlights boating history, science, and technology. In addition to fascinating exhibits, you can get an up-close view of the World War II Submarine *Becuna* and the battleship *Olympia*. The submarine *Becuna* and the battleship *Olympia* are worth a trip by themselves. Areas not normally open to the public are open public on the first Saturday of each month. You will be able to see the *Olympia's* triple expansion steam engines, boiler room, and working ash hoist, plus the *Becuna's* conning tower. You can also see the sub's restored periscope.

The *Olympia* was Admiral Dewey's flagship during the Spanish American War and also served in the Atlantic during World War I.

### Philadelphia Section Newsletter

[www.sections.asme.org/philadelphia](http://www.sections.asme.org/philadelphia) April 2008

The *Becuna* is a BALAO-class submarine that patrolled the Pacific during World War II. During the Cold War, the *Becuna* performed eavesdropping missions, following

Soviet submarines. Finally, she served in the Mediterranean and Atlantic during the Vietnam and Korean Wars. Before decommissioning, the *Becuna* served as a training sub in Connecticut.

For detailed information about the museum and exhibits, please visit them on the web at <http://www.phillyseaport.org>.



Mark Nicosia looks over the Delaware River using the restored periscope of the USS *Becuna*

### Upcoming Section Meetings

**April ASME MEETING  
Annual Awards Dinner  
April 22 at 6:30 PM  
Towne House Restaurant  
Media, Pennsylvania**

See back page for details.

### AIAA/ASME Symposium

On December 8 2007, the section, jointly with the Philadelphia section of the American Institute of Aeronautics and Astronautics, sponsored a symposium in Plymouth Meeting. The purpose of the symposium was to present the latest developments in the local aerospace and mechanical industries.

There were 27 oral presentations and 7 poster presentations during the day long event. At the end of the presentations, a panel discussion was held to discuss the engineering environment in the Philadelphia area. Topics included education and training requirements for new and experienced engineers.

The lunch speaker was Robert Zimmerman who is a noted author on the history of space exploration. Mr. Zimmerman has a unique understanding of the physics and the human experience of space flight. He is scheduled to again talk to our section on September 16 at Villanova University. Hold the date and plan to attend.

We will be holding the symposium again in the Fall, so plan on submitting an abstract or attending. Watch for the date.



*Symposium attendees during one of the breaks*



*Lunch speaker Robert Zimmerman (on left) talking with symposium attendees.*

### **Joseph Santoleri – ASME Pioneer**

On May 16, 2007, Joseph J. Santoleri received the ASME Incineration and Thermal Treatment Technologies

Pioneer Award. The award was presented at the annual ASME International Conference in Phoenix, Arizona.



Mr. Santoleri received his Bachelor of Science and Masters Degree in Mechanical Engineering from Drexel Institute of Technology now Drexel University. He was a founder and former Vice President of Four Nines, Inc., an engineering consulting firm, now known as RMT Inc. Four Nines specialized in design and engineering of incineration systems. Mr. Santoleri has over 53 years in the incineration field with 30 years at Thermal Research and Engineering Corporation, now known as Selas-T-Thermal.

In his early years at Thermal, he developed fired heater designs using high intensity combustors as the heat source. He was involved in the development of the Thermal Vortex burners used for waste liquid combustions. His experience also includes international work in pollution control and incineration.

He has been an ASME member since 1947 and is active as a consultant in the area of pollution control and incineration.

### **Update your ASME email address**

Over the last few years the section has made extensive use of email to communicate with our members. The newsletter editor uses the capabilities of bulk email to send individual emails to each member with a valid email address in the ASME database. If you have not received emails from the section, either you do not have email, or your email address is not in the ASME database or your email address is in the database incorrectly.

When we send out emails, a significant number are returned as invalid. It is not possible to easily determine which email addresses are in the invalid list. If the emails are returned from one email service provider, the returned email will have a number of invalid addresses listed and they are buried in text. The amount of time required to sort and track the invalid addresses is prohibitive.

There are currently almost 1400 email addresses in the database and we have almost 2000 members. We understand that many members do not want to receive extra emails. But if you would like to receive email reminders about section events, make sure your email is correct. Only you can check and update your email address on the ASME web site.

To check your email address, go to the ASME web site ([www.asme.org](http://www.asme.org)). Click on **Members Only** in the upper right corner of the page. Enter your member number and last name in the boxes. The left side of the next window will list all your current member information. Click on the appropriate information to update.

If you don't know your member number, click on the link "Problems logging in? Click here." Your email program should start and you can contact ASME to get your member number.

We want to be able to contact the majority of our members by email. We can notify members that our web site is updated with the current newsletter and event information. If we could use the current available tools, we could save a significant amount of money which we currently spend on postage.

#### Philadelphia Section Officers 2007/08

Chair – Mark Nicosia  
Widener University  
610 499 4192  
[mark.a.nicosia@widener.edu](mailto:mark.a.nicosia@widener.edu)

Vice Chair – Fred Willis  
[fwillis73@yahoo.com](mailto:fwillis73@yahoo.com)

Secretary – Gerry Sadowski  
[gsadowskieng@hotmail.com](mailto:gsadowskieng@hotmail.com)

Treasurer – Dean Cave  
(610) 566 4067  
[dean.cave@lmco.com](mailto:dean.cave@lmco.com)

Senior Director – Julia Bachman

Past Chair – Leroy Alaways  
Villanova University  
[lalaways@villanova.edu](mailto:lalaways@villanova.edu)

News Letter Editor - John Wolf  
(610) 519 6129  
[john.j.wolf@villanova.edu](mailto:john.j.wolf@villanova.edu)

Please send letters and comments to the Editor. Letters will be published unless otherwise requested depending on space limitations.

#### SKF Bearings Course

SKF corporation is presenting a 3 and a half day course on bearing system design at their local office near Norristown. The course will cover design and selection of roller bearings, seal and lubrication technologies and theories used in selecting the proper bearing for various applications.

The course will be given on May 13 to 16. More information and an application form may be obtained from our web site, [www.sections.asme.org/philadelphia](http://www.sections.asme.org/philadelphia). Click on the link on the main page.

#### Awards Dinner

The annual ASME award dinner will be held on April 22 at D'Ignazio's Towne House Restaurant in Media,

Pennsylvania. During our awards dinner we honor 25, 50, 75 year and Life Time members

Our speaker for the evening is Dr. Darin Hayton, an Assistant Professor of the History of Science at Haverford College. Dr. Hayton received his PhD in the History and Philosophy of Science from the University of Notre Dame. He was the Research Officer at the Museum of the History of Science, Oxford University before coming to Haverford College.

Dr. Hayton's presentation will concentrate on the history of astronomy to illustrate the close interactions between scientific developments and politics and religion. At the center of his talk sits the astrolabe, the quintessential medieval astronomical instrument. Islamic astrolabes illustrate beautifully both the intellectual sophistication and the artistic value of medieval Islamic astronomy. Dr. Hayton will trace the development and perfection of the astrolabe from the late ninth to the seventeenth century and use them as a window onto the scientific and technological developments in the medieval Islamic world.

Join us on April 22 for an interesting presentation and good company in Media. Hope to see you then. See the last page for more information.

#### Frank Piasecki – 1919 – 2008 Helicopter Pioneer



Frank Piasecki developed methods and systems that made helicopters into practical flying machines. After engineering studies at the University of Pennsylvania and Guggenheim School of Aeronautics, he founded P-V Engineering Forum in 1940 with Penn classmate, Howard Venzie.

Mr. Piasecki's interest in helicopters began with a summer job working for Kellett Aircraft Corporation in Philadelphia. P-V Engineering began to build a balanced rotor helicopter before 1943. The Navy was looking for helicopters and at that time Sikorsky was the only other producer of the aircraft. Mr. Piasecki towed his PV-2 to Washington to for a flight demonstration. He was granted a development contract for the aircraft.

The company began development of tandem rotor helicopters which were able to lift greater payloads. Piasecki Helicopter continued to develop new machines and in 1960 the company merged with Boeing and was located at the current site of the Boeing Integrated Defense System facility next to I-95 in Delaware County.

Mr. Piasecki continued his work with heavy lift machines. His later companies developed the Heli-Stat blimp with four tandem rotor helicopters as the lift and power source.

Mr. Piasecki died on February 16, 2008.

# 2008 ASME Spring Golf Outing

Manufacturers' Golf and Country Club  
Oreland, PA.  
Monday, 12 May 2008

Check-in for golf is 9:30 AM: shotgun start at 10:30 AM.  
Social hour starts at 5:00 PM: buffet dinner at 6:30 PM.  
Non-golfers are welcome.

Price (per person):  
Golf only - \$160.00  
Dinner only - \$70.00  
Golf and dinner - \$200.00

Golf payment includes lunch box, cart and gratuities for the day. No caddies available.  
Deadline for golf and dinner reservations is 28 April 2008. No refunds after deadline.  
No reservations accepted without payment.

Limited to the first 160 golfers.

Golf format: four-player scramble.  
Locker room facilities available after golf.  
All dinner attendees are eligible for door prizes: must be present to win.  
Directions to the Club will be sent with confirmation.

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Complete and send, with check, to: ASME Entertainment Committee  
C/o John Jorgensen  
528 Daventry Road  
Berwyn, PA 19312  
phone: 610-647-0246, fax: 610-647-0237  
e-mail: johnjorg@hubbardco.com

Enclosed is my check for \$ \_\_\_\_\_ for \_\_\_ golf and dinner tickets @ \$200.00 each  
for \_\_\_ golf (only) tickets @ \$160.00 each  
for \_\_\_ dinner (only) tickets @ \$70.00 each  
for \_\_\_ hole sponsorship @ \$350.00 each, or  
for \_\_\_ hole sponsorship @ \$100.00 each in addition to foursome  
for \_\_\_ morning coffee & bagels sponsorship @ \$100.00 each

Make check payable to "ASME Entertainment Committee, Phila. Section".

Specify contact for confirmation and further correspondence.

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_ e-mail \_\_\_\_\_

Indicate contribution:

balls: \_\_\_\_\_ no. \_\_\_\_\_  
hats: \_\_\_\_\_ no. \_\_\_\_\_  
shirts: \_\_\_\_\_ no. \_\_\_\_\_  
other: \_\_\_\_\_

**PLEASE PASS THIS FORM ON TO OTHERS WHO WOULD LIKE TO PARTICIPATE**

**April Awards Dinner  
April 22, 2008  
D'Ignazio's Towne House Restaurant  
Media, Pennsylvania**

Time: 6 PM with dinner at 6:30 and our speaker at 7:30

Location: D'Ignazio's Towne House Restaurant, Media, Pennsylvania

Cost: \$30

Dinner Choice: Filet mignon or flounder with crab meat

Speaker: Dr. Darin Hayton, Assistant Professor, Haverford College

Subject: Dr. Hayton's presentation will concentrate on the history of astronomy to illustrate the close interactions between scientific developments and politics and religion. At the center of his talk sits the astrolabe, the quintessential medieval astronomical instrument. Islamic astrolabes illustrate beautifully both the intellectual sophistication and the artistic value of medieval Islamic astronomy. Dr. Hayton will trace the development and perfection of the astrolabe from the late ninth to the seventeenth century and use them as a window onto the scientific and technological developments in the medieval Islamic world.

See the restaurant's web site ([www.townehouse.com](http://www.townehouse.com)) for directions. Media and the restaurant are easily accessible from Exit 3 of Interstate 476 (the Blue Route).

Contact (by April 16): Mark Nicosia [manicosia@widener.edu](mailto:manicosia@widener.edu) (610 499 4192) or  
John Wolf [john.j.wolf@villanova.edu](mailto:john.j.wolf@villanova.edu) (610 519 6129)