



The American Society of Mechanical Engineers

Chair's Letter

As we begin the 2007-2008 year, I would like to take this opportunity to recognize the able leadership of my predecessor, LeRoy Alaways. I hope you will all join me in thanking him for his service to the section and to ASME. I would also like to acknowledge the efforts of our Executive Committee, whose names appear in this Newsletter. It is through the dedication of this group of volunteers that the activities of the section are planned and executed.

As we move into this year, we will continue the dual efforts of providing interesting, informative, and fun talks and outings for our membership as well as to offer support for our local ASME student sections and K-12 programs in the Philadelphia area. To this end, we have been working over the summer to assemble an exciting list of activities for this year. We will kick off the year with a presentation by Mr. Jean Krack, Director of the Delaware County Keystone Innovation Zone on September 11th at Widener University. This will be followed up by a talk featuring Engineers Without Borders at Rowan University on October 16th. Details regarding both events are included in this newsletter

We will also continue to work with our student sections this year. This will include both supporting projects proposed by engineering students as well as hosting a student night, where ME students from our student sections gather for a little friendly design competition and (more importantly) camaraderie with their peers.

As always, we are also interested in your ideas. If you have suggestions for activities or are interested in volunteering to participate in the section governance, we would welcome your participation. Please contact me or one of our members to find out how you can help.

I look forward to another exciting year!

Best regards,

Mark Nicosia

ASME Family Day – Railroad Museum of Pennsylvania

The Philadelphia Section of ASME hosted a family day for members and their families at the Railroad Museum of Pennsylvania in Strasburg, Lancaster County, PA. The event was all day from 9:00 am to 5:00 pm on

Philadelphia Section Newsletter

www.sections.asme.org/philadelphia September 2007

Philadelphia Section Officers 2006/07

Chair – Mark Nicosia
Widener University
610 499 4192
mark.a.nicosia@widener.edu

Vice Chair – Fred Willis
fwillis73@yahoo.com

Secretary – Gerry Sadowski
gsadowskieng@hotmail.com

Treasurer – Dean Cave
(610) 566 4067
dean.cave@lmco.com

Junior Director – Dan Hanna
Drexel University
215 407 4411
djh33@drexel.edu

Past Chair – Leroy Alaways
Villanova University
lalaways@villanova.edu

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

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

Upcoming Section Meetings

September ASME MEETING
Delaware County Keystone Innovation Zone
September 11 at 6:30 PM
University Center - Widener University
Chester, Pennsylvania

October ASME MEETING
Rowan University - Engineers Without
Boards Humanitarian Efforts
October 16 at 6:30 PM
Rowan Hall, Rowan University,
Glassboro, New Jersey

See back page for details.

Saturday June 30, 2007. The Philadelphia Section offered free tickets and special tours of the Museum at 10:00 am and 1:00 pm. The tours also included a restoration project and a behind the scenes tour.

The Railroad Museum of Pennsylvania houses one of the most significant collections of historic railroad artifacts in the world. The Museum is devoted to preserving and interpreting the broad impact of railroad development on society.



The GG-1 Electric Locomotive



Leroy Alaways and one of his students at the check-in table at the Railroad Museum of Pennsylvania on June 30

Thanks to everyone who commented on the caption for the picture of the GG-1 which is an all electric engine not a diesel electric as stated in the original newsletter. It's good to know people are reading the newsletters, mistakes and all.

The GG1 started service in 1935 and continued until 1983. It is an outstanding example of 20th Century engineering and industrial design.

Go to <http://www.trainweb.org/railpix/prr-gg1-1.html> for interesting pictures and more information on the GG-1.

Section September Meeting - Delaware County KIZ

The Delaware County Keystone Innovation Zone (KIZ) program was established in May 2006 as a state-designated area for the encouragement of innovative thinking, creativity and technology transfer through strong local partnerships and resources. Villanova University and Widener University are the host institutions of higher education for the Delaware County KIZ which assists local

entrepreneurs, start-up companies, and progressive businesses with implementing an innovative idea from start to finish.

The Delaware County KIZ facilitates partnerships between community players, economic development organizations and education institutions which provide clients with local resources and services for development, innovation, and growth that will enable emerging companies to move forward with developing and commercializing their products and processes. Equally as important, the Delaware County KIZ is a catalyst to partner emerging tech-based companies with Widener University and Villanova University.

Please make plans to join us on September 11th at Widener University, where Mr. Jean Krack, Director of the Delaware County KIZ, will provide an overview of this program. To find out more about the Delaware County KIZ, call (610) 499-7534 or visit www.delcokiz.org.

Section October Meeting – Engineers without Borders

Over the last decade engineering colleges and universities within our region have embraced humanitarian initiatives for the global Engineers Without Borders organization. This organization is committed to provide engineering resources for communities in need regardless of their political situation. Generally, an EWB team will address a specific need within a community in an under-developed part of the world. This may include clean drinking water, roads, bridges and buildings. Rowan University in the South New Jersey portion of our Philadelphia Section is one of the area schools that is reaching out to solve humanitarian projects for EWB. On the evening of October 16th, Rowan and the Philadelphia Section will host a program to review the successes and future initiatives of Rowan's EWB student chapter.

EWB initiatives tackled by the Rowan student chapter have involved communities within our country and communities abroad. We will learn of Rowan's completed irrigation water supply and wastewater system project in La Habana, Honduras in the Fall of 2003. In the Spring of 2004 Rowan's student EWB team traveled to Ban Pa Tung, Thailand to build a potable water distribution system. In 2005 and 2006, Rowan EWB worked with the Sioux Tribe in South Dakota to develop a design guide for a commercial fish hatchery and a plan for a desalination system for two brackish water wells. The fish production facility design has been approved for funding by the Bureau of Indian Affairs, and the desalination system design is in the formal review process.

Since these successes, the Rowan EWB Student Chapter has been working on two on-going projects. One is Ngonine, Senegal and the other in El Amaton, El Salvador. Both of these villages are in desperate need of accessible clean drinking water. A desalination system is

being designed to process salty well water in Ngonine. Rowan EWB addressed the El Amaton problem by formulating a design for a well to be drilled, a pump installed with a holding tank, and a gravity-feed network involving a series of faucets within the community.

Please make plans to join us on October 16th at Rowan University Rowan Hall to learn of these humanitarian ventures.

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). 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.

Engineers' Club Events and Courses

Each year the Engineers' Club in Philadelphia hosts four tours of sites in the area and also provides continuing education courses on a number of subjects.

The tours this year are:

- one hour boat tour highlighting the history of the Schuylkill River (September 20)
- a tour of the Victory Brewery in Downingtown (September 29)
- a tour of the Gamesa Wind Turbine plant in Fairless Hills (October 13)
- the construction site of the new Please Touch Museum in Fairmount Park. (October 22)

Tours are open to non-Engineer Club members for a nominal fee of \$10

The club also offers a number of continuing education courses each year. The courses are in the area of building construction and plant design. They range from the International Building Code to air conditioning, heating and ventilation.

Costs for the courses vary from \$550 to \$650. Courses start the week of September 17.

For more information, contact Tom Payne at 215 985 5701 or info@engrclub.org. More information is also at the club's web site www.egrclub.org.

ASME District "A" IRAC

The Philadelphia Section along with other sections from the old Region III are having an Intermediate Regional Administrative Conference (IRAC) on Friday evening and all day Saturday October 12 & 13 at Lafayette College in Easton, PA. The participating sections were part of the old Region III (XR3) which was inducted into District "A" as of the SAM (Summer Annual Meeting held in Toronto, Ontario, Canada) in early June '07. XR3 consists of some 16 ASME sections and about 30 student sections. With the XR3 induction into District "A" this district now consists of what was formerly Regions I, II, & III and is now the most populous of the 6 domestic districts with some 26k members. The IRAC is a training session for local section officers to learn more about how to best execute their jobs.

We would hope to see as many of our section officers as possible attend. There is some travel and expense money available. The Friday eve activity is mostly committee meetings, dinner, and a social "ice breaker" to provide an opportunity to meet your counterparts from other sections across the district. Saturday is the main program day with presentations and training at breakout sessions. This program goes from 8am to 5pm.

If you would like to become more active in our section, the IRAC is a good way to learn the way local sections are run. Additional information will be prepared as to locations, hotel accommodations as arrangements are made. For more details contact Bill Coleman at Colemanwh@msn.com or 610 356 1156

American Society of Mechanical Engineers
c/o 223 West Summit Avenue
Haddonfield, NJ 08033

SEPTEMBER ASME MEETING
Delaware County Keystone Innovation Zone
September 11, 2007
Widener University, Chester, Pennsylvania

Time: 6:30 pm

Location: Widener University, University Center building

See the University's web site for building location and directions: www.widener.edu/tomaincampus/default.asp

The Delaware County Keystone Innovation Zone (KIZ) program was established in May 2006 as a state-designated area for the encouragement of innovative thinking, creativity and technology transfer through strong local partnerships and resources. The Delaware County KIZ facilitates partnerships between community players, economic development organizations and education institutions. Mr. Jean Krack, Director of the Delaware County KIZ, will provide an overview of this program. For more information, see page 2.

This meeting is free to all ASME members and guests and pizza will be provided.
Reservations are requested by September 7th

Contact: Mark Nicosia (manicosia@widener.edu or call 610-499-4192)

OCTOBER ASME MEETING
Rowan University - Engineers Without Borders Humanitarian Efforts
October 16, 2007
Rowan University, Glassboro, New Jersey

Time: 6:30 pm

Location: Rowan University, Rowan Hall

See the University's web site for building location and directions: www.rowan.edu/map/directions.html

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This meeting is free to all ASME members and guests and pizza will be provided.
Reservations are requested by October 12th

Contact: Dean Cave (dean.cave@lmco.com or call 610-531-9561)