



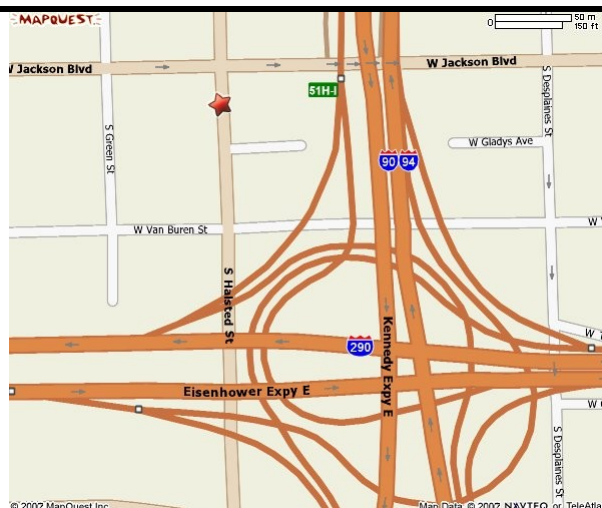
Chicago ASPENews



Chicago Chapter of the American Society of Plumbing Engineers
Vol. 40, No. 10
May, 2009

General Meeting Thursday May 21, 2009

The Parthenon
314 South Halsted
Chicago, Illinois
Free Valet Parking



AGENDA

- | | |
|---------------|---|
| 5:30pm-6:30pm | Cocktail Hour; Beer Laureate Deery-Pardue & Associates
(free beer and wine) |
| 6:00pm-6:30pm | ASPE Chicago Chapter Board of Directors ELECTIONS |
| 6:30pm | Dinner - \$30 Members / \$35 Non-Members |

MENU

Appetizers

- Saganaki, Taramosalata and Gyros

Dinner

- Greek salad
- Rice pilaf
- Roasted potatoes
- Moussaka (eggplant w/meat sauce)

- Pastitsio (Baked macaroni w/ meat sauce)
- Dolmades (Grape leaves stuffed w/meat and rice)
- Athenian Chicken

Dessert

- Baklava
- Galaktoboureko (fancy dessert, really good)
- Coffee

- | | |
|--------|--|
| 7:45pm | Technical Program: Vacuum Plumbing Systems;
Lynn Vlasschaert of AcornVac (Deery-Pardue) |
|--------|--|



RSVP as soon as possible to Bruce Weiss, VP Technical!

- Return the enclosed card for those of you getting this via US Mail
- Call 312 212.2022
- Fax 312 212.6401
- Email Chicago.ASPE.RSVP@gmail.com

Local Chapters are not authorized to speak for the Society



PRESIDENT'S MESSAGE

THE 2009 PRODUCT SHOW IS OVER!

So far, the response has been overwhelmingly positive! Thanks to all of the presenters, exhibitors, visitors, workers, and everyone else that made the show a **HUGE** success. **As promised, it was one of the best shows ever! And next year will be even BIGGER, BETTER FASTER and STRONGER!!!**

Special recognition goes to **Frank Sanchez (AGAIN!)** because he was the **Chairman** and did **MOST** of the work! Co-Chair Phill Kroll and Jason McDonald helped a lot, too! And thanks also to the other worker bees (in no particular order): Peter Wu, Sean Allard, Mick Bradford, Bob Dahlmann, Jamie Diamond, George Pagach, Joe Ficek, Mark Mannarelli, Natalia Dankanich, and whoever else I failed to mention!

We had a tremendous collection for the **raffle** - about 75% more than usual! So, we must have had a BIG crowd! If you are an exhibitor, or potential exhibitor, you can see the value of our show. It's the best bang for your buck! I like the way more people than usual seemed to stick around to the end of the show.

Mark your calendar and be there for the **2010 ASPE Chicago Product Show** and seminars – Thursday April 15, 2010. We are already thinking about next year. Frank Sanchez is the Product Show Chairman for next year too, so contact him if you have any questions or comments. **Our show is clearly the best ticket for you, but you should also advertise in PS&D Magazine, because we all subscribe to it!**

Our raffle proceeds from the Product Show will go to the Kenneth G. Wentink Memorial Ride to the Rock /Leukemia Research Foundation!

Thanks for your support! There is only 1 meeting left this year: May 21. Then of course we still have the Golf Outing June 19.

May 21 is ELECTION NIGHT!!!



YOU, yes YOU can run for a position if you so choose. We generally consider each term to be 2 years, and the second year is just ending; so, ALL seats are open! So toss your hat into the ring. Send me a note to get on the ballot. Nominations will NOT be taken from the floor; so, get that note to me PRONTO!

LAST CHANCE* DEADLINE FOR SUBMISSION= May 15

RSVP = Répondez s'il vous plaît = Respond if you PLEASE!

ASPE Webinar

An ASPE Technical Professional Education Program
Introduction to the Different Types of Graywater Systems
Wednesday, June 3, 2009
1:00pm CT

Keep those emails coming and win a free dinner! RSVP to: Email Bruce Weiss at Chicago.ASPE.RSVP@gmail.com. He's on call, 24/7, waiting for your call/ email/ postcard/ carrier pigeon/ telegram/ candygram/ message in a bottle/ whatever!

CHAPTER OFFICERS

PRESIDENT

David DeBord, CPD, LEED AP
Environmental Systems Design
312 456.2359
ddebord@esdesign.com

VICE PRESIDENT TECHNICAL

Bruce Weiss, CPD, LEED AP
Affiliated Engineers
312 212.2022
bweiss@aeieng.com

VICE PRESIDENT LEGISLATIVE

Frank Sanchez, CPD
Grumman/Butkus Associates
847 328.3555 x251
fxs@grummanbutkus.com

VICE PRESIDENT MEMBERSHIP

Rick Butler
Lochinvar
815 477.9983
rbutler@lochinvar.com

TREASURER

Mark Mannarelli
Environmental Systems Design
312 456.2354
mmannarelli@esdesign.com

ADMINISTRATIVE SECRETARY

Natalia Dankanich
Grumman/Butkus Associates
847 328.3555 x208
nkd@grummanbutkus.com

CORRESPONDING SECRETARY

Jerry Fields
jf44444444@yahoo.com

AFFILIATE LIAISON

Dick Simms
Deery-Pardue & Associates
630 350.7575
dsimms@deery-pardue.com

EDUCATION CHAIRMAN

Dan Fagan, PE, CPD
OWP/P
312 960.8301
dfagan@owpp.com

NEWSLETTER EDITOR

Jason McDonald, CPD
Grumman/Butkus Associates
847 328.3555 x204
[jrm@grummanbutkus.com](mailto:jsm@grummanbutkus.com)

WEBMASTER

Jim Moynihan
Chicago Technical Sales
630 889.7121
CTSalesInc@aol.com

GOLF OUTING CHAIRMAN

Steve Triphahn
W-T Engineering, Inc.
847 895.3640
steve.triphahn@wtengineering.com

HISTORIAN

Donald Johnson

WEBSITE

<http://www.aspe.org/Chicago>
("C" is required)

(continued on page 3)

PRESIDENT'S MESSAGE (continued)

Thanks for the feedback! It helps us to know how to serve you better. Special thanks to those who RSVP and follow through with their commitment! If we can improve on this, we will be more efficient. RSVP as soon as possible to Bruce Weiss, VP Technical! Email Chicago.ASPE.RSVP@gmail.com

See you May 21 at the Parthenon at 314 S. Halsted!

See other parts of this newsletter for additional information.

Plan Now to Attend the 2009 ASPE Technical Symposium



http://aspe.org/new/Conv_Symp/Symp2009.php

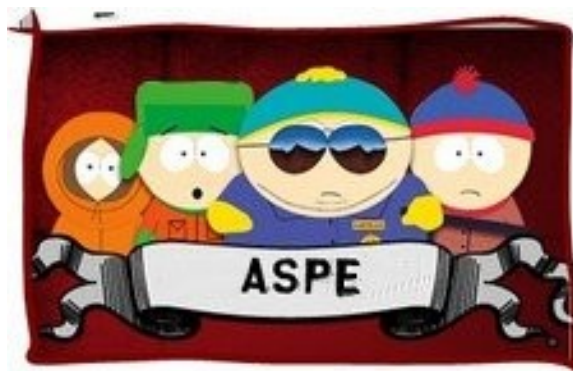
ASPE is in the midst of planning an exciting trip to the Symposium, which will be held Oct. 22-25, 2009, in Dearborn, MI. Intense educational sessions and fun special events will be included. The Engineered Plumbing Exposition (EPE) promises an array of exhibitors who will showcase the newest products in the industry. Attendees will have numerous opportunities to win prizes, too. Visit www.aspe.org for more updates.

AFFILIATES! DID YOU SIGN UP AS A SPONSOR YET? DO IT NOW BEFORE IT'S TOO LATE!

ALL THE KOOL KIDS ARE GOING!

Have you ever been to an ASPE Technical Symposium? It is a mind-expanding experience for sure. Or was that the 60's? Look for more info in future issues of the ASPE News, as well as PS&D, and The Pipeline. And read the whole ASPE Newsletter! You're probably spending plenty of time indoors lately, so read the newsletter! You never know what you might be missing. Stay tuned for more details.

David DeBord, CPD LEED AP; President
ddebord@esdesign.com; 312 456.2359



ASPE CHICAGO BOARD of DIRECTORS ELECTIONS

As you know, ASPE Chicago elections are THIS MONTH!! All members, please come out and vote for those who will represent you for the next two years. Following is a list of candidates (listed alphabetically where necessary). If your name is not on here and you WANT it on here, please contact David DeBord (ddebord@esdesign.com) as soon as possible! Please note that nominations will NOT be taken from the floor.

Position	Candidate 1	Candidate 2	Candidate 3
President	Jason McDonald		
VP Technical	Frank Sanchez		
VP Legislative	Rick Butler		
VP Membership	Mark Mannarelli		
Treasurer	Sean Allard		
Administrative Sec.	Natalia Dankanich		
Corresponding Sec.	Bryan Fonseca	Peter Wu	



TECHNICAL PRESENTATION ASPE MAY MEETING

Lynn Vlasschaert of AcornVac will provide us with a general overview of vacuum waste systems. He will tell us about their application along with the general design and system requirements as well as answering any specific questions.

Lynn has worked for Acorn Engineering since April 2002, primarily as a Regional Sales Manager. During that time, he has been responsible for all regions in the U S & Canada for various lengths of time. The majority of those years, he managed the Illinois area. Prior to coming to Acorn, he was a sales rep for Lutron Lighting Control with responsibilities focused on global controls and systems.

In July of 2007, Lynn moved from the main division at Acorn to the vacuum division, AcornVac. He is the Sales Manager-Engineered Projects. His primary focus is on commercial jobs consisting of correctional, hospital, schools, historical sites, greasy waste and projects that may have unique needs. He has done ASPE presentations in approximately 12 cities.



This is a brief overview of where vacuum waste systems are used and the benefits they can provide.

Vacuum plumbing and drainage systems provide a viable, cost-saving, environment-friendly alternative to gravity drainage of condensate, gray water and sanitary waste. Typical sanitary and gray water applications include toilets, sinks, showers, urinals, and drinking fountains. Typical condensate applications include refrigeration coils servicing coolers and freezers as well as frozen and refrigerated food display cases. Vacuum plumbing and drainage systems offer several advantages over gravity drainage systems including:

- Flexibility In Design & Layout Of Fixtures And Equipment
- Reduced Water Usage & Sewer Output
- Reduced Piping Requirements
- Reduced Construction Costs

40 YEARS AND 320 TECHNICAL PROGRAMS LATER

40 Years of quality programming brought to you by the Chicago Chapter of the American Society of Plumbing Engineers.

As the 2008-2009 technical program season is coming to a close, I would like to mention how many programs have been presented in forty years. This thought comes to me because the Chicago Chapter is celebrating its 40th year as a Chapter. On average, eight technical programs* have been presented for each of these forty years. In forty years, that amounts to a total of 320 technical programs! I think that is a very impressive amount of programs that have been provided to the plumbing engineering community.

There can never be too much thanking of the people that make this possible each year; Chapter members, Affiliates, company representatives and local officials.

As I conclude my two year tenure as Vice President Technical, I'm glad to have been able to contribute to the this fine tradition of quality programming and I know the future VP Technical will not only continue the tradition, but improve it.

**For the ease of calculations and to not to be too taxed in calculating the amount, I have not included primers of seminars presented at product shows.*

Bruce Weiss, CPD LEED AP; Vice President Technical
bweiss@aeieng.com; 312 212.2022



ANOTHER GREAT PRODUCT SHOW IS GONE....

During the last year, we faced one of the most challenging times we have seen in a very long time. Our industry was not spared from cutbacks and layoffs, some companies more than others. But, the trouble signs were always present.

ASPE Chicago Chapter Product Show is known for being one of the best in the industry and our hard work paid off with record attendance and booth sales comparable to previous years. The ups and downs of the economy did not seem to affect our event, "*the ASPE Chicago Chapter Convention*". Just like in previous years, we received strong support from our loyal members and exhibitors.

As we all know, the show is your opportunity to learn about the changes and trends in the industry. If you want to be the best, you need to know what the best products are and be acquainted to the latest code updates. Time is money and in challenging times like this we need to excel in quality to maintain our established recognition. On behalf of the Chicago Chapter and the Product Show Committee, I would like to thank all the exhibitors, attendees, seminar presenters and volunteers for making this show a continued success.

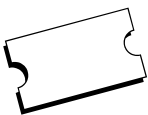
Also, I would like to thank my company, Grumman/Butkus Associates, for the unconditional support they have provided to ASPE throughout the years. Here is where the show took shape, materials were printed, envelopes mailed and all my spam emails were sent to your inboxes. Thanks Dan!

If you attended the show, I look forward to receiving your feedback. This is the only way we can make improvements and changes. I would like to receive all your comments, from the quality of seminars to the taste of the food, what parts of the show you liked and what we can do to improve it. At the end, this is YOUR show and we are only volunteering to make it a reality. To see some photos from the Product Show, go to <http://aspe.org/Chicago/2009ProductShow/>.

We should all attend these events as not everybody can make it to the National Conventions. Besides, those events only occur every other year. Therefore, if you didn't make it to the ASPE Chicago Product Show, I really hope it was due to extraordinary circumstances because you missed a one of a kind event.

Not only did we have informative seminars providing the latest code updates, industry standards and technologies breakthroughs. But also, our exhibitors delivered amazing displays and they kindly shared their knowledge with anyone who approached them.

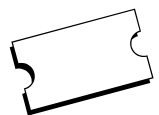
If that was not enough, we had amazing prizes. ASPE Chicago provided great raffle prizes and our exhibitors brought incredible giveaways- almost everybody walked away with a nice gift.



CONGRATULATIONS TO THE LUCKY ASPE CHICAGO RAFFLE WINNERS

We gave away amazing prizes at the show...

**Philips 32" LCD HDTV * 15" Acer Notebook Computer * Nintendo Wii Sport*
Two Olympus Digital Cameras * Two 500GB USB Hard Drives * Denon DVD-758 DVD Player**



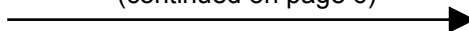
To the winners, please note that you will not receive the IRS Form 1099-MISC. ASPE Chicago intentionally kept the cost of the prizes under \$600; therefore, you don't need to report this as miscellaneous income.

Also, we would like to thank our exhibitors for providing amazing Door Prizes. As you know, these prizes are FREE. All you had to do to win was attend the show.

ASPE Chicago would like to thank the generous exhibitors who participated in the voluntary Door Prize Giveaways. Kudos to:

American Standard, Anvil, Apex, CISPI, Daugherty Sales, Deery Pardue, Delta, FBC Building Solutions, FTI Pumps and Controls, General Pump, Gerber, Hart Travers, HOK, Hubble, J & J Sales, Kast Marketing, Kohler, Kolbi Pipe Markers, Kusel, Lochinvar, Luczak, Meilner Mechanical, Metropolitan Pump, Mid Continent Marketing, MIFAB, Miller Sales, Nibco, ORR Fire Protection, RC Sales, Reliable Fire, Repco, Riddle, Spears, Steam Sales, T. Matera, TJ Higgins, TOC Marketing/Caroma, TOTO and Viega.

(continued on page 6)



ANOTHER GREAT PRODUCT SHOW IS GONE.... (continued)

Some of the door prizes included:

Fleece Jackets, \$50 Best Buy Card, Jackets, \$25 Restaurant Gift Certificates, Bottles of Wine, 4 Sox Tickets and Jackets, Several 8GB iPod Nanos, Fine Golf Balls, 2 Camping Chairs, BBQ Grill, Portable Ipod Speaker System, Armor All Car Care Kit, Laptop Travel Bag, Golf Balls and Maglights, Water Closets, Water Closet and Lavatories Combo, \$50 Gift Cards, Bottles of Liquor, Fine Golf Balls, Bottles of Wine, Electric Cooler organizer, GPS Navigation System, \$50 Best Buy Cards, Cubs Tickets, \$75 Best Buy Cards, \$25 Gift Cards, Technical T-Shirts, 2GB Sony Microvaults and much more.

I would like to thank our seminar presenters for putting time aside from their busy schedules and allowing us to provide FREE education to our membership. Have you seen this quality of seminars and even a free lunch given anywhere else? I have not. Also, don't forget we gave a way one FREE GPS unit - all that for zero dollars.

ROOM 1

- *2009 International Plumbing Code Updates* presented by Fred Grable, PE of ICC Codes & Standards Dept
- *Bariatric Fixture System Performance and Design Considerations*, presented by Pat McQuillan of Zurn Engineered Water Solutions
- *Reclaimed Water and Water Reuse, Latest Requirements*, presented by Julius Ballanco of JB Engineering
- *BIM / Revit: Plumbing Engineering and Construction Coordination*, presented by CADworks

ROOM 2 (State of Illinois CEU's)

- *Water Piping and Thermal Expansion*, presented by Jim Richter of The Metraflex Co.
- *Common Plumbing Errors & Mistakes*, presented by George Swietczak, Plumbing Inspector, Villa Park, IL
- *Booster Pumps: Variable Speed Drives and their Implications on Booster Pumps*, presented by Victor Rilling of Advanced Mechanical Technologies
- *Commercial Plumbing Fixtures and Trim Selection Criteria*, presented by Jeremy Cantor of Delta Faucet

ROOM 3

- *Accessibility Seminar: Codes and Requirements*, presented by Ron Grabski of One Source Mfg Reps
- *Chemical Waste Systems and Tanks*, presented by Charlie Ismert of Shier Products
- *Steam Fired Water Heaters: Controls and Applications*, presented by Norm Marshall of Patterson-Kelley
- *Fire Pump Controllers: Starting Methods and Specification Pitfalls*, presented by Jim Moynihan of Chicago Technical Sales / Firetrol

Remember to support the ones who support you. We will update and upload our exhibitor's directory information to our website, www.aspe.org/Chicago. Please refer to this document for your everyday projects and give them a call, they are an excellent source of information.

Thank you to all the companies that participated in the 38th Annual ASPE Chicago Chapter Product Show. **See the next page for a list of our exhibitors.** As a thank you to our ASPE Chicago Affiliates and exhibitors, we post company line cards on our Chapter website. If you have not done so already, just email an electronic version (.pdf) of your line card to our Webmaster, Jim Moynihan, at CTSalesInc@aol.com and he will post it. To see the line cards that are there already, just check out <http://aspe.org/Chicago/linecards.htm>.

Last but not least, I would like to thank our volunteers, in alphabetical order (I hope...)

Bob Dahlmann, David DeBord, Jamie Diamond, Natalia Dankanich, Joe Ficek, Tom Hamilton, Don Johnson, Phill Kroll, Jason McDonald, Mark Mannarelli, George Swietczak, George Pagach, Peter Wu and all those who attended our Product Show Meetings. Thanks to your dedication and support we delivered one of the best shows in the industry.

Frank Sanchez CPD, Vice President Legislative/ Product Show Chairman
fxs@grummanbutkus.com; 847 328.3555 x251

EXHIBITOR LIST AND BOOTH NUMBER

ASPE CHICAGO REGIONAL CHAPTER

38th ANNUAL ASPE CHICAGO PRODUCT SHOW AND TECHNICAL SEMINARS

COMPANY	CONTACT	COMPANY	CONTACT
ADDED SALES	JIM O'NEIL	KUSEL EQUIPMENT	CINDY SCHADE/JAMES SZOLLAR
AFFILIATED STEAM EQUIPMENT	CLAY K. MILLER	LIQUITECH	TRACY PRICE
AMERICAN STANDARD	RICHARD KLAESS	LOCHINVAR	STEVE MONTGOMERY / RICK BUTLER
ANVIL INTERNATIONAL	RICH REDMOND	LUCZAK SALES	MARK LUCZAK
APEX PUMPING EQUIPMENT	DONALD RASMUSSEN	MASTER CONTROL SYSTEMS	WILLIAM STELTER
APPLIED MECHANICAL SALES	KEVIN J BARR	MEILNER MECHANICAL SALES	TONY RANALLO
ASSE	SUSAN LISOWSKI	METROPOLITAN INDUSTRIES	MICHAEL PONX
ASPE SOCIETY / PS&D MAGAZINE	STACEY KIDD / DAVID JERN	MID-CONTINENT MARKETING	VINCE ENGLAND / DAVID WOL- NIAK
BEACONMEDAES	DAN PATT	MIDWEST BOILER	MIKE GEAGAN
BORNQUIST	MARK KAULAS / CHRIS WISINSKI	MILLER SALES	HAROLD MILLER
CAST IRON SOIL PIPE INSTITUTE	ALAN THOMAS	NIBCO	RICK MAYERSKY
CHICAGO BACKFLOW MARKET- ING	BRETT SHARPENTER	ONE SOURCE	JACK BLOCK
CHICAGO TECHNICAL SALES	THOMAS H. BELL	ORR PROTECTION SYSTEMS	KEVIN HENNING
DAUGHERTY SALES	ROBERT DAUGHERTY	PM ENGINEER MAGAZINE	ROBERT MIODONSKI
DDR AMERICAS	BRENT O'CONNELL	R.C. SALES	GEORGE PAGACH
DEERY-PARDUE	RICHARD SIMMS	R.J DREWS AND SONS	RON DREWS
DELTA FAUCETS	JEREMY CANTOR	RELIABLE FIRE EQUIPMENT	BOB PIKULA
FBC BUILDING SOLUTIONS	JOHN PRITCHARD	REPCO	BRYAN FONSECA
FTI PUMPS AND CONTROLS	ANDY DAILEY	RIDDILE & ASSOC. / BRADLEY CORP.	TONY GARCIA
GENERAL PUMP & MACHINERY	DON RASICH	RIDE TO THE ROCK	JASON MCDONALD
GERBER	BARRY JANOVSKY	S.K. CULVER	PATRICK KENNEDY
GREEN TURTLE AMERICAS	CHUCK LINKENHELD	SERSHON & ASSOCIATES	BOB SERSHON
HALOGEN	TERRY LEBEAU	SPEARS MANUFACTURING CO.	JOHN PANEK / KEVIN CROUCH
HART, TRAVERS & ASSOCIATES	JEFF ST. ONGE	STEAM SALES	STEVE ROTHBART
HOK SALES, INC	JOE MURPHY	T. MATERA	GEORGE SOBYRA
HOWARD SALES	HOWARD PAWLAK	T.J HIGGINS	THOMAS J. HIGGINS
HUBBELL INDUSTRIAL CONTROLS	CRAIG MILLER	TOC MARKETING / CAROMA USA	GEORGE E. HOGLUND / TARA GOSEY
INLAND SALES / +GF+ GEORG FISHER	BRIAN YELTON	TOTO USA / KAMCO	MIKE HARRIGAN
J&J SALES & MARKETING, INC.	JIM GELLER	TRAMCO PUMP COMPANY	JOHN OBERMAIER
KAST MARKETING	RALPH DANTINO	TYCO FIRE / GRINNELL	JOHN NOEL / NATAHN BROWN
KOHLER	PHILLIP SCHRIEBER	VICTAULIC	ERICK BACHER
KOLBI PIPE MARKERS	ROB SEITZ	VIEGA	DAN COURTNEY/ BOB TURK



Happy Anniversary!!

It is that time of year again where we celebrate our members who have accomplished a great feat - 10, 20 and 30 year anniversaries! We will be announcing, and presenting the pins to the recipients at our MAY meeting.

Recipients will also receive their dinner FREE OF CHARGE courtesy of the Chicago Chapter.

So, the following people *please* come to the May meeting to receive your pin:

10 Years

Jack Block	Jill Dirksen	Dana Ketchmark	Gary Powers	Angel Medina
Henry Riess, Jr.	Rich Satkowski	Keith Seier	Jodie Sherven	Brian Berg, Jr.
Mike VandenBergh	Mel Withrow	Donovan Beech	Mike Geagan	Lynne Simnick
Dan Murphy	Dennis Richards, Jr.	Jeff St. Onge		

20 Years

Joe Ficek	Rey Russo	Steven Glenn
Eric Urbaniec	Tom Wilson	

30 Years

Julius Ballanco (ASPE SOCIETY PRESIDENT)
--

Please join me in congratulating these members for service well done.

Rick Butler, Vice President Membership

rbutler@lochinvar.com; 815 477.9983



Hello everyone! Spring is finally here, hopefully no more snow for the next 6 months. Time for fun in the sun, and time goes fast. It has been already 2 years since I got on the Board of ASPE Chicago. For those two years, the BOD was working very hard for Chicago to be the biggest and the greatest Chapter of ASPE. Thank you for your continued support. As you know, the May meeting is election night. Please come and give your support for your favorite candidates.

See you all there.

Natalia Dankanich, Administrative Secretary

nkd@grummanbutkus.com; 847 328.3555 x208



FELLOW AFFILIATES

The Product Show was a huge success!! Thanks to all of you who participated. We are always trying to make improvements to make the Show better each year. If you have any suggestions or comments, please contact me.

Our May meeting will be Election Night. Please consider running for a position on the Board of Directors. It is a great way to serve your Chapter. Thank You!!

Richard L. Simms, Affiliate Liaison

dsimms@deery-pardue.com; 630 350.7575



HELLO AGAIN FROM YOUR FRIENDLY TREASURER

Spring has sprung. The Chicago Chapter is winding down another year; so, this is our last meeting before the summer golf outing. So get involved and come out to the May meeting (VOTING FOR A NEW BOARD) and vote for your favorite candidate.

A few questions to ponder:

- Why is a person who invests our money called a broker?
- Why do banks charge you a "non-sufficient funds fee" on money they already know you don't have?
- If it's zero degrees outside today and it's supposed to be twice as cold tomorrow, how cold is it going to be?

The Phenomeinal Pweor of the Hmuan Mnid"

Acccdrnig to rschearcharch at Cmabrigde Uinervtisy, it doesn't mttare in waht oredr the ltteers in a wrod are, the olny iprmoeint tihg is taht the frist and lsat ltteer be at the rghit pclae. The rset can be a total mse and you can sitll raed it woughit a porbelm. Tihs is bcuseae the huamn mnid deos not raed ervey lterer by istkef,

Mark G. Mannarelli, Treasurer

mmannarelli@esdesign.com; 312 456.2354

GOLF OUTING 2009

This year's golf is almost sold out, you don't want to be left out don't delay in returning your reservation form. This year's outing will be held on **June 19, 2009** at Hilldale Country Club in Hoffman Estates. We will start with a "Shot-Gun" tee-off at 8:30am (**please** note the time – this is the **start** time, **not** the "show-up" time). Coffee, juice and rolls will be served from 7:30am–8:30am in the snack shop (sponsored by **Luczak Sales**) and beverages will be served throughout the day. There will also be special displays and activities as you play the course. As in past years, lunch will be served between the 9th and 10th holes (sponsored by **Metropolitan Industries**). Shower and locker facilities are available in the clubhouse so you can freshen up after your round. Cocktails (cash bar) will begin at 4:00pm with a buffet style dinner to follow at 5:00pm.

Reservation forms were mailed out to all Affiliate members at the end of March. As you know, because of the "Shot-Gun" start, we are limited to 152 golfers; so when this limit is filled, we cannot accept any more golfers. Reservations will be accepted on a "First Come-First Served Basis". Each Manufacturer, Sales Rep., Supplier, etc. is limited to two (2) foursomes again. **Don't delay in returning the reservation form.** You don't want to be left out!

Steve Triphahn, Golf Outing Chairman

224 293.6333



ASPE INTERNET TIDBITS

Did you know.....

- There is an all industry (plumbing) calendar for the Chicago area – www.piccal.org?
- There is an American Society of Plumbing Engineers group on Facebook – www.facebook.com?
- There is an American Society of Plumbing Engineers group on LinkedIn – www.linkedin.com?

Do you have something else that might be of interest to Chicago Chapter members? If so, please drop me a line at jsm@grummanbutkus.com.

Jason McDonald, Newsletter Editor

jsm@grummanbutkus.com; 847 328.3555 x204

HELP WANTED - PLUMBING ENGINEER

Hixson is a 115-person nationally known architecture, engineering and interior design firm specializing in projects for industrial processing facilities, retail department stores and corporate office environments.

We have an immediate opening for a **Plumbing Engineer** at our Cincinnati headquarters. The Plumbing Engineer participates on design teams with other engineers and architects in the design and preparation of drawings and specifications for the following systems: potable hot and cold water, non-potable hot and cold water, sanitary waste and vent, process waste and vent, storm water, water treatment, compressed air, nitrogen and specialty gas, sanitizing and natural gas.

Qualifications

BS ME, BSMET, CIPE, CPD or related degree and certification
PE a plus.

Why Join Us?

Hixson offers a competitive salary and benefits programs (including profit-sharing, bonus, 401k with company match, health, life and disability insurance, tuition reimbursement and ownership potential) – all in a team-oriented work environment with challenging work assignments and the opportunity for personal and professional growth.

Relocation assistance is available.

To learn more about working at Hixson, visit www.hixson-inc.com.

Send your resume to:

Julie Beatty, Staffing Facilitator

Hixson

659 Van Meter Street

Cincinnati, OH 45202

FAX: 513-241-1287; E-mail: jbeatty@hixson-inc.com



RIDE TO THE ROCK - REGISTRATION IS OPEN!!

Registration is open!!! Please join us for the **Kenneth G. Wentink Memorial Ride to the Rock** benefitting the Leukemia Research Foundation (LRF). This year will be our fourth annual! We moved it back a week from previous years so there will be no conflict with the NAS-CAR weekend in Joliet. The Ride will be **Saturday July 18** with a rain date of Sunday July 19. Let's start hoping NOW for good weather!!

For the motorcycle riders out there, we ask for a donation of \$25 per bike and \$10 for each passenger. Those who do not ride are welcome to follow (or lead) in their cars - we kindly request the same donation from you. For the participants AND support people (we are always looking for volunteers to help out), we will have bagels and coffee in the morning and will be grilling hot dogs and brats (bratwurst, not screaming naughty kids) down at Starved Rock.

In addition to feeding you, we will also be offering LOTS of raffle prizes. Our donation group, including The Dads' Chapter of the LRF, are masters of donations and they get some darned good stuff to give away. Everyone has a great chance at leaving with a **prize**! We will also have a **steak raffle** where you can win a steak lunch cooked right there at the park!! Last year, we gave away four steak lunches and those people were ALL smiles!!

The flyer for the Ride to the Rock is included with this newsletter. Please join us. Invite your friends and family! It will be a great time and it is certainly for a great cause. For more information or to volunteer for the event, you can contact us at RidetothRock@gmail.com. If you want to register for the event, please do so at www.leukemia-research.org/RidetothRock. There will be something special for the first 30 online registrants! So act NOW!!

Jason McDonald, Ride to the Rock Co-Chair
jsm@grummanbutkus.com; 847 328.3555 x204



Kenneth G. Wentink Memorial

Ride to the Rock



Charity Motorcycle Road Rally **Saturday July 18, 2009**

Please join us for the 4th Annual Charity Motorcycle Road Rally sponsored by the Chicago Regional Chapter of the American Society of Plumbing Engineers & The Dads' Chapter of the Leukemia Research Foundation benefitting the

Leukemia Research Foundation

Wilmette, Illinois

All Bikes Welcome!!!



Start: Wal-Mart Parking Lot, on Route 53 south of Butterfield Road (Route 56), Glen Ellyn, IL

On-Site Registration: 9:30am – 10:30am (*bagels and coffee will be served*)

On-Line Registration: see www.leukemia-research.org/RidetothRock

First Bike Rolls Out: 10:30am

Pickup Additional Riders: BP Station at the southwest corner of Routes 38 & 47, Elburn, IL

On-Site Registration: 10:30am – 11:00am

Bikes Roll Out: about 11:15am

Finish: Starved Rock State Park, Lone Point Shelter

Rally Distance: About 90 miles

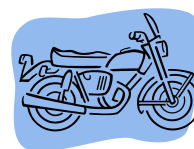
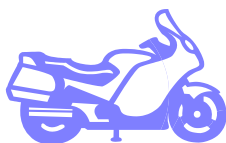
Lunch: Will be provided at the park (hot dogs and brats)

Suggested Tax Deductible Donation: \$ 25 /Bike + \$10/Passenger

Info: Contact Jason McDonald 847 328.3555 x204 OR email RideToTheRock@gmail.com

Rain Date: Sunday July 19 (if weather on July 18 is questionable, call 847 328.3555 x204)

Note: If you cannot attend but wish to make a donation, please go to www.leukemia-research.org/RidetothRock.





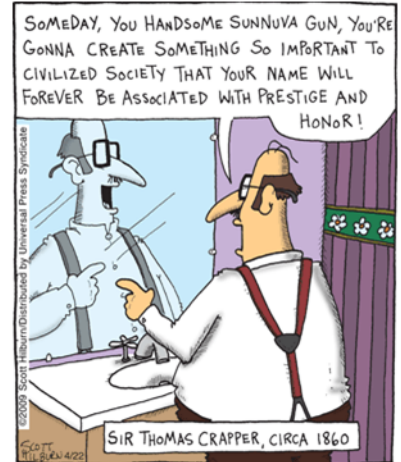
HISTORICALLY SPEAKING

As we are passing the baton to a new Board to lead us into our fifth decade, please express your thanks to the outgoing Board members and your congratulations to the incoming Board members.

Below is a letter from the Society President, Mr. Michael Maroko, to our Chapter's first Board on which I had the pleasure of serving.

Looking forward to seeing you at The Parthenon. In true Chicago fashion, get there early and vote often.

Don Johnson, Chapter Historian



BOARD REVIEW

AMERICAN SOCIETY OF PLUMBING ENGINEERS

NON-PROFIT CORPORATION

P.O. BOX 48591 BRIGGS STATION, LOS ANGELES, CALIFORNIA 90048

A newsletter published by the National Board of Directors
serving the leadership of the Society's local Chapters

August, 1969
Vol. 2, No. 8

TO ALL CHAPTER BOARD MEMBERS:

For many of you, this is going to be my last message to you as officers of your Chapter. I, therefore, want to take this opportunity and thank each one of you for the help you lent in building our Society. We need the support of every member and I hope that in retiring from the Board you will not stop your active participation in your Chapter activities.

During the past year, the National Board members asked you for various information. We would appreciate it, if those of you who did not have the time to comply with those requests would do it now before your term expires.

We have not received from some Chapters, orders for plaques to be presented to you, the retiring officers.

Again, my thanks for your cooperation.

Michael C. Maroko
President



"I should've been
a plumber."
- Jiminy Cricket

AS I KNOW IT - AFFINITY LAWS

The Pump Affinity Laws predict the effects of changing the speed of a centrifugal or rotary pump on flow rate, head and power. Being able to predict these effects allows the rotating equipment engineer to examine the effects before implementing the changes.

The laws can be summarized as follows:

Flow rate is directly proportional to pump impeller speed:

$$F_1 / F_2 = \text{rpm}_1 / \text{rpm}_2 \quad \text{where } F = \text{flow rate and rpm} = \text{impeller speed}$$

The ratio of Heads is directly proportional to the square of the ratio of pump impeller speeds:

$$H_1 / H_2 = (\text{rpm}_1 / \text{rpm}_2)^2 \quad \text{where } H = \text{Head and rpm} = \text{impeller speed}$$

The ratio of Pump powers is directly proportional to the cube of the ratio of pump impeller speeds:

$$P_1 / P_2 = (\text{rpm}_1 / \text{rpm}_2)^3 \quad \text{where } P = \text{Power and rpm} = \text{impeller speed}$$

Pump Affinity Laws

Volume Capacity

The volume capacity of a centrifugal pump can be expressed like

$$q_1 / q_2 = (n_1 / n_2)(d_1 / d_2) \quad (1)$$

where:

q = volume flow capacity (m^3/s , gpm, cfm, ...)

n = wheel velocity - revolution per minute - (rpm)

d = wheel diameter

Head or Pressure

The head or pressure of a centrifugal pump can be expressed like

$$dp_1 / dp_2 = (n_1 / n_2)^2 (d_1 / d_2)^2 \quad (2)$$

where:

dp = head or pressure (m, ft, Pa, psi, ...)

Power

The power consumption of a centrifugal pump can be expressed as

$$P_1 / P_2 = (n_1 / n_2)^3 (d_1 / d_2)^3 \quad (3)$$

where:

P = power (W, bhp, ...)



Example - Pump Affinity Laws - Changing Pump Speed

The pump speed is changed when the impeller size is constant. The initial flow is 100 gpm, the initial head is 100 ft, the initial power is 5 bhp, the initial speed is 1750 rpm and the final speed 3500 rpm.

The final flow capacity can be calculated with (1a):

$$\begin{aligned} q_2 &= q_1 n_2 / n_1 \\ &= (100 \text{ gpm}) (3500 \text{ rpm}) / (1750 \text{ rpm}) \\ &= 200 \text{ gpm} \end{aligned}$$

The final head can be calculated with (2a):

$$\begin{aligned} dp_2 &= dp_1 (n_2 / n_1)^2 \\ &= (100 \text{ ft}) ((3500 \text{ rpm}) / (1750 \text{ rpm}))^2 \\ &= 400 \text{ ft} \end{aligned}$$

The final power consumption can be calculated with (3a):





$$\begin{aligned} P_2 &= P_1 (n_2 / n_1)^3 \\ &= (5 \text{ bhp}) ((3500 \text{ rpm}) / (1750 \text{ rpm}))^3 \\ &= 40 \text{ bhp} \end{aligned}$$

Moral of this story: Get pumped up!

David DeBord, CPD LEED AP; President (thru the Golf Outing!)

ddebord@esdesign.com; 312 456.2359

2008-2009 ASPE Chicago Chapter Meeting Schedule

<i>DATE</i>	<i>PRIMER</i>	<i>TECHNICAL PRESENTATION</i>	<i>LOCATION</i>
September 18	Zero Power Fixtures; Repco Associates	Plumbing Fixtures and LEED; Kohler Company	<i>LaVilla 3638 N Pulaski Chicago</i>
October 16	Water Heater Controls; Luczak Sales	High Efficiency Water Heaters - When is the Proper Application?	<i>The Parthenon 314 S Halsted Chicago</i>
November 20	Medical Gas Inlets/Outlets; Ohio Medical	Booster Pumps - Variable Speed Drives and their Implications on Booster Pumps; Advanced Mechanical Technologies	<i>Rosewood Restaurant 9421 Higgins Rosemont, IL</i>
December 18	Booster Night; <i>Special Entertainment</i>		<i>LaVilla 3638 N Pulaski Chicago</i>
January 15	Acid Waste and High Purity Piping; Zurn Acid Waste Piping	Alternative Venting Methods; George Swietczak, Village of Villa Park Plumbing Inspector	<i>Rosewood Restaurant 9421 Higgins Rosemont, IL</i>
February 19	Sprinkler Heads and Cover Plates; Viking	Clean Agent Fire Systems and Proper Room Design; Reliable Fire Equipment	<i>The Parthenon 314 S Halsted Chicago</i>
March 19	Point-of-use Water Heaters; Chronometer & Deery-Pardue	Solar Water Heating; Bornquist	<i>LaVilla 3638 N Pulaski Chicago</i>
April 16	Technical Seminars	38th Annual ASPE Chicago Product Show	<i>White Eagle 6839 Milwaukee Ave Niles</i>
May 21	Elections	Vacuum Plumbing Systems; AcornVac / Deery-Pardue	<i>The Parthenon 314 S Halsted Chicago</i>
June 19	 Annual ASPE Chicago Golf Outing 		<i>Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates</i>
July 18	 Kenneth G. Wentink Memorial Ride to the Rock 		<i>Chicagoland to Starved Rock</i>