

Summer 2003



Election Results

The election for the 2003-2004 Eastern Michigan ASPE Board of Directors was held at the May general membership meeting. And the results are in:

Doug Cryer	President
Jill Dirksen	Vice President Technical
Ronald George	Vice President Legislative
Ross Beck	Vice President Membership
William Grayzar	Vice President Education
Brett Young	Treasurer
John Nussbaum	Administrative Secretary
George Johnston	Corresponding Secretary

We wish them all the best in the upcoming year.

PRESIDENT'S REPORT

Douglas W. Cryer, CSI CIPE/CPD President

Happy summer to all! I hope all of you are enjoying our beautiful Michigan weather and have found parties with family and friends to be plentiful. I have been to our Region 2 Presidents Meeting in Niagara Falls, NY in June. Here is an overview of a few topics that we discussed.

The ASPE Data Book 4 will be mailed to members in mid-August. The ASPE Technical Symposium in San Antonio, Texas will be from October 31 to November 2, 2003. The date for this event was not a topic for our discussion at this meeting. Someone already picked the days and we must live with the fact that it is over Halloween. However, one can always dress up in another state too. Nobody is supposed to know who you are anyway. Right? This Symposium will be the 40th Anniversary for ASPE. I hope all of you readers have received your Symposium mailing for hotel and registration for courses. The course selections range from Sprinkler Design to Green Buildings, Medical Gases (NFPA 99), Grey Water Systems, Domestic Hot Water Systems, and Storm Water Retention Systems to Special Waste as it pertains to medical facilities. There are many more classes to partake in and it will be well worth the money and time spent for your own personal growth, as well as, adding your increased competency to your engineering firms expertise in proper design of systems. I hope many of you will be in attendance.

Another topic for our meeting was to determine where the CPD exams would be held in our Region 2 area on Saturday, April 24. Two sites were selected and they are Columbus, OH and Rochester, NY. Do not worry about traveling to these sites. If our Chapter has at least 10 people, then we can designate a local site to hold the exam. I hope we have at least 10 people interested in taking the test

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American Society of Plumbing Engineers

Eastern Michigan Chapter 2003-04 Technical Classes

*Held monthly at the
(except where noted)*

PMC of Detroit
14801 West 8 Mile Road
Detroit, MI 48235

September 23, 2003
Sanitary and Storm Piping

October 28, 2003
Domestic Water Distribution, Boosters,
Treatment and Sizing

November 18, 2003
Commercial Laundry and Kitchen Requirements

December 16, 2003
Domestic Hot Water Generation Design and Sizing

January 10, 2004
First Saturday Technical Review Course (8 hours)

January 20, 2004
ASPE/ASHRAE Meeting at Compuware Arena for
Snow Melting and Plumbing for the Ice Arena

February 17, 2004
Professional Plumbing Practices, Estimating
and Test Taking Skills

March 23, 2004
New Michigan Plumbing Code Review
with Mr. Robert Konyndyk

April 3, 2004
Second Saturday Technical Review Course (8 hours)

April 27, 2004 - Architectural and Structural
Interferences, Coordination and
Value Engineering Panel Discussion

May 25, 2004
Open Microphone Night for Vendors and
BBQ @ PMC Detroit

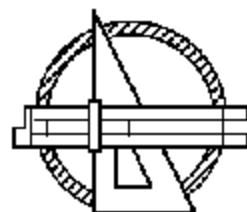


Newsletter Update

Joe Hernandez, CIPE
Newsletter Editor

We are in the process of updating our mailing list. If you know of anyone who is not currently receiving our newsletter, but would like to, please have them e-mail their name and address to info@aspeemc.org, or call Joe Hernandez at 248 643-6222. Also, if you know of anyone who has moved and no longer receives the newsletter, let us know. We want to make sure that everyone has the opportunity to take part in the monthly meetings/classes and to be active in the plumbing engineering community.

Eastern Michigan



*It's your
chapter - get involved!*

ASPE News is published 10 times per year (September through May, plus one summer issue). Yearly advertising rates are \$250.00 per ad for members and \$300.00 for non-members. Insert advertisements are \$250.00 per newsletter for one oz., \$100 for every oz. over. Help Wanted ads, fifty words or less, \$100.00 per issue. For quarter-page and half-page product ads, please contact Joe Hernandez. Checks should be made payable to ASPE E. Mich. Chapter and send check with inserts or ad to Joe Hernandez. Circulation 400-Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles contact Joe Hernandez, Newsletter Editor at newslettereditor@aspeemc.org.

President's Report

continued from pg 1

in April so we can make arrangements for all of you here at home. I will elaborate more on this CPD exam as the year moves forward.

Another item that came up at the Presidents Meeting was to motivate engineers and designers to participate in the National Standard and Design Committees. Remember when Julius Ballanco came into our building last season and spoke on the Design Standards Committees? These committees are meant to lend and share knowledge to add language or standards of practice for our plumbing industry to grow and help affect change. I would like to encourage any of you who would be interested in having some input into our profession contact me and I'll point you in the right direction. Thank you in advance.

Some Chapters in our Region had very good ideas to generate interest and money for their Chapter Treasury. For instance, a Golf Outing. It seems as though we are the only chapter in the United States that does not have a golf outing. Would any of you readers or members be interested in a golf day next year? Let me know. Chapter raffles or silent auctions are part of a money-generating scheme.

For your interest, The Eastern Michigan Chapter is going to have two silent auctions this year. The idea is that manufacturers will donate items for the home, such as faucets, sinks, garbage disposers or a showerhead. We will solicit any item that can be used in our homes and auction them off at our December and May meetings. The silent auction will require

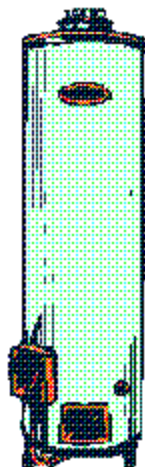
the attendee to sign a sheet of paper for the listed minimum opening bid and others who want the same item will keep upping the ante until the December meeting. Somebody will leave our meeting with a nice Christmas gift and help out the chapter treasury as well. The same type auction, with different items will be held throughout the second half of the Technical season and will end in May with a BBQ and open mic night for all vendors. Please refer to my Technical Session Overview article on page 6 of the newsletter.

Some chapters offer student scholarships to local Universities and we will be implementing such a policy this year to try and bring in college student members and apprentice plumbers who might qualify for monies towards tuition or books. Our Board will be working out the details as we progress into the year. More information will follow and we will be looking to increase our attendance with the inclusion of any LTU, Wayne State, U of M or U of D student, who wishes to learn and be an active participant in our ASPE Chapter.

Finally, for any of you looking to change employers or who may have recently lost their jobs, there will be an area on the National web site called Career Center which may be used for Resume' posting or companies looking for talented individuals to hire.

I look forward to this new season of technical classes and I hope you will be too.

Doug



Water Heater Awareness

July 1, 2003 brings in a new era of 30, 40 and 50-gallon gas fired water heaters and ends the production of the conventional 30, 40 and 50-gallon gas fired heaters. Manufacturers of water heaters are complying with the new ANSI Standard Z21.101. These water heaters, when sold, will cost the consumer about \$100 more than the conventional models sold today. When the wholesalers are out of the old heaters, only the new combustion technology that resists the ignition of flammable vapors that can occur outside the water heater will be available.

Welcome!

We would like to take this opportunity to welcome

Gary Anderson

Jason Harden

as new members of the ASPE Eastern Michigan Chapter

Make sure to take a moment to say 'hi' to to these new members at the next meeting.



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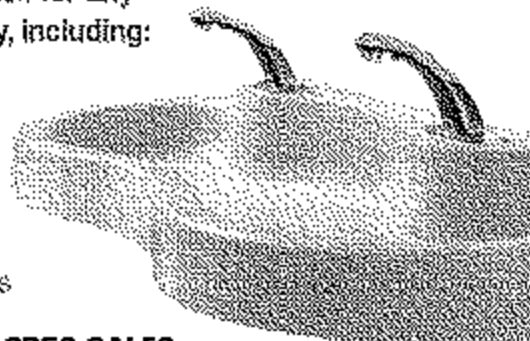
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2003-04 Technical Overview

**Douglas W. Cryer, CSI CIPE/CPD
President**

Let this letter be a pre-mature welcome back to our 2003-04 Technical Season. Jill Dirksen, our new Vice President of Technical will elaborate more on our topics and intent for this next year in her upcoming reports. The entire year's class schedule is listed on page 2 of the newsletter. Make sure to read it thoroughly and make note of all the meetings and events that your Board of Directors (and other concerned individuals) helped put together at our Summer Strategy Meeting in June. It took nearly seven hours of dedication, on a Saturday (1st day of summer) to put our course syllabus together and we feel that this year will be very fulfilling for all.

This season's plan is to design all plumbing for a high-rise hotel with kitchen, laundry and parking deck considerations. This plan will enable us to layout sanitary, storm and domestic water riser piping; calculate pipe sizing (using fixture computations, within the code) and routing techniques around structural and architectural limitations. We'll consider pump sizing for boosting, circulating, storm sumps and sewage ejectors.

The course instructors will be chosen for their professional expertise within each facet of the design process. As always, we will make an instructor selection that will enliven our meetings, as well as inform, through practical application and specialization. The Instructor portion of our technical meetings is the hardest part to attain. However, we did have numerous suggestions at our summer meeting to start asking around our industry for competent and interesting speakers.

The Technical Meetings will have a distinct flow of progression as the year moves forward into 2004. The thought process here is to have four meetings with basic substance and material coverage and then culminate those four meetings into an in-depth course on a Saturday in January, using calculations and diagrams for understanding the "why and how" a system is designed to work as it does.

The second half of our season in 2004 will hopefully start with another combined meeting with ASHRAE and possibly the Western Michigan Chapter of ASPE at the Plymouth

Compuware Arena to discuss Ice Melting and Plumbing for the Ice Arena. Also, with the new 2003 Michigan Plumbing Code release in the spring of 2004, we plan to have another Code Review Course with the Chief of Plumbing, for the State of Michigan, Mr. Robert Konyndyk.

Following the first three meetings of 2004 we will have another Saturday review of everything covered to this point in the year combined with a thorough review of potential and former CPD Exam questions and how to solve for the correct answer. Please, anyone who took the most recent exam and can remember any of the questions is requested to forward them onto Bill Grayzar, our new VP Education for inclusion in our preparatory class in April. We also hope that by familiarizing you with the formulas and correct calculation methods (in algebra) that those of you who will be taking the CPD Exam on April 24th will have confidence that you are prepared to ACE the test.

Our usual "Night at the Races" will be in March; we have two silent auctions planned for attendees and our May meeting will be a BBQ and Open Microphone Night for ALL VENDORS to participate in. This night will be devoted to allowing our dedicated and not so dedicated manufacturer's representatives to have a free tabletop (limit 6) and/or speak for 10 minutes to promote or hype a particular product or line item from their companies.

Mark your calendars now for the 2003-2004 ASPE classes. Oh yes, by the way, to obtain a more accurate headcount for this new season, the Board of Directors is implementing a small fee to attendees who do not pre-register for the meeting to cover the extra cost of food preparation. We do not like to see Ginny overcook and waste so much food. So I am making this plea to our membership that you MUST e-mail the VP Tech with your reservation no later than the Friday prior to each meeting. Everyone should know their schedules within that time frame and make the effort to notify us of your attendance. We want your attendance, not your money. The meeting will be free to those of you whose names are on the registration list. We will be keeping track of all of the registrants. We (the Board) hopes that this does not deter people from attending, only to make people more responsible and interested in the substance of our technical sessions.

See you in the fall.

WANTED



your e-mail
address



Occasionally we may need to be able to contact you quickly (i.e. last minute meeting change). If you would like to be notified of any late breaking ASPE news, please fill out the form below and fax it to Doug Cryer, President. Or e-mail your information to info@aspeemc.org.
We promise - no spam or sharing this list with anyone else!

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Aero Mfg-stainless steel sinks, **Bradley Corp.** - washfountains, emergency, patient care & security fixtures, **Central Brass**-faucets & plumbing brass, **Chronomite** - point of use water heaters, **Dwyer Kitchens** - compact kitchens, **Halsey Taylor** - electric water coolers & drinking fountains, **Leonard** - shower & water mixing valves, thermostatic & pressure balanced, **McGuire**-brass fittings, **Santana** - toilet & shower compartments, **Truebro** - trap & supply covers

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Armstrong International-“Flo-Rite Temp” & “Flo-Direct” instantaneous water heaters, “RADA” thermostatic mixing valves, air vents, drainers, radiator valves, pressure reducing valves, heating & cooling coils, hose stations, steam traps, steam specialties, condensate pumps, steam system optimization services, **Humidifiers**-water spray-fogging types, steam-electronic & gas fired, steam to steam, **Check-All Valve**-specialty spring-loaded check valves, **Circle S Products**-steam & air separators, flash tanks, **Crane Environmental**-deaerators, high purity water systems, membrane-based filtration, reverse osmosis (RO), softeners & filters, **Hydro-Thermal**-direct injection steam heaters, **Kumde**-safety & relief valves, **Lattner Mfg.**-gas/electric steam & hot water boilers, **Marlo Coil**-heating & cooling coils, **Sentry Equipment Co.**-plate & frame, brazed heat exchangers

Nibco - copper & plastic fittings, plumbing valves, pressure rated valves, industrial plastic fittings & valves

Alrich-steel tube, oil & gas-fired boilers. Low pressure steam, hydronic and volume hot water heating systems, **Autotrol**-water purification by deionization. Capacities up to 20,000 gallons per day, **Hobby Valve Co.**-low/standard range thermostatic mixing valves 1/2" to 4", **Lawler Valve Co.**-low/standard range thermostatic hot water mixing valves, emergency shower valves, temperature and pressure balanced mixing valves 1/2" to 2", **Raypak**-copper-fin hydronic and domestic hot water supply boilers, booster heaters & storage tanks. Sizes from 30 MBTU to 4,000 MBTU, **Rund Manufacturing**-commercial & residential gas-fired and electric hot water heaters & booster heaters, **Tlaw-Pak**-cutom in-slab & underfloor heating designs & materials for radiant floor heating, snow melting and de-icing systems, **Valley**-commercial water softeners with metered & non-metered regeneration control, pre-wired and pre-plumbed multi-tank systems

ABS Pumps-sump & sewage pumps & systems, **Alamo(Ecodyne)**-commercial & industrial water treatment, R.O. systems, D.I. water, **American Turbine**-turbine pumps, **American Water Heater**-commercial tank type water heaters, **Conbraco**-plumbing & heating products, backflow prevention devices, **Everhot**-stone lined indirect water heaters, **Graham**-plate & frame heat exchangers, steam instantaneous water heaters, **Genova/J.M./Jet Stream**-sch 40 PVC, solid & cellular core, sch 30, SDR 26 & 21, gasketed & belled end, CPVC & sewer pipe, **Griffin Products**-stainless steel sinks & fixtures, **Hydrotherm**-commercial & residential cast iron modular & pulse boilers, **John Wood Co.**-ASME & commercial pressure vessels, storage & expansion tanks, **Josam**-roof & floor drains, carriers, interceptors, commercial drainage products, **Josam/Bucher**-stainless steel pipe, floor & bench drains, **Josam/MEA**-bench drain systems in precast polymer concrete or fiberglass, **Josam/Stem**-automatic sensors or flush valves, faucets & showers, **Lasco**-PVC fittings, sch 40 & sch 80, **Maxitrol**-gas pressure regulators, **Mepco**-steam specialties, condensate & vacuum pumps, taps, **RBI**-commercial & residential copper-fin boilers & water heaters, storage tanks, pool heaters, **Rehau**-radiant floor hydronic heating & snow melt systems, plumb-pex, **Richmond Foundry**-cast iron soil pipe, fittings, full port valves, PVC drains & cleanouts, **Space Pak**-air conditioning systems, **Stiebel Eltron**-tankless electric water heaters, **SyncoFlo**-pressure booster systems, packaged HVAC pumping systems, fire pump systems, **Thrush**-circulator pumps, inline pumps, end suction pumps, heat exchangers, hydronic accessories, **Weinman Pump**-base mounted, horizontal split case, turbine, condensate systems, **Wheatley**-pump accessories, heat exchangers, expansion tanks, air separators, CBV, TDV, strainers & valves, flexible connectors

A.C.Tech-variable speed drives, **Advance Thermal**-removable insulation & acoustical covers, **ITT Bell & Gossett**-hydronic specialties, centrifugal pumps, heat exchangers, heat transfer plugs, pressure booster, domestic water heating, variable speed systems, vertical turbine, submersible pumps, **Cemline**-ASME tanks, hot water storage, packaged water heaters, stone steel lined tanks, replacement tube bundles, unfired steam generators, **ITT Domestic Pump**-condensate return, vacuum & pressure powered pumps, boiler feed systems, **Dow Heat Transfer Fluids** -Dow Therm SR-1, Dow Frost, **Dri-Steam**-steam injection, gas to steam, steam to steam, electric steam, evaporative humidifiers, ultrasonic fog humidifiers, **Crisvold Controls**-coil hook-up kits, constant flow limiting valves, filter, solids separators & filter systems, **Highland Tank**-oil & water separators, **ITT Hoffman Specialties** -steam traps & specialties, condensate return pumps, pressure regulating valves, **ITT McDonnell & Miller**-boiler safety controls, level controls, flow switches, **Metraflex**-flexible pump connectors, expansion joints & guides, non-slam check valves, ball & butterfly valves, **MP Pumps**-self priming pumps, engine driven pumps, **Peterson Equipment** -“Petes” pressure/temperature test plugs, **Preso**-annular/venturi flow meters, **Vertiflo**-pedestal mount sump pumps, **Vibration Eliminator**-vibration control bases, spring isolators, **Watts Radiant**-radiant floor heating systems, snow melting systems, **Welsler Instruments**-pressure gauges, thermometers, recorders **Wessels**-ASME storage tanks, bladder tanks, glass lined storage tanks, glycol fill systems

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Alsons-shower heads, hands showers & accessories, **American Mfg.**-pump controls & alarms, **CTS**-copper flange adapters, **Iron Out, Inc.**-Iron Out and Pro Line chemicals, **Laco Industries**-fluxes, sealants, cements, penetrants, caulk, putty, **PHD Mfg.**-pipe hangers, strut & accessories, **Raychem**-heat tracing products, **Stadler Corp.**-in-floor radiant heat, potable water pex, **Topp Industries**-fiberglass and poly basins, **Viessmann Mfg.**-boilers, controls & energy management, **Ward Mfg.**-malleable & cast iron fittings, wardflex, **Zoeller**-sump, sewage & wastewater pumps & accessories, **Waterless Urinals, Seminole Nipples, Whirlpool/Cielb Tubs.**

Anaco-no hub couplings, transition couplings, SV gaskets, **Aquarius** - acrylic & gel coat shower/tub-shower surrounds, **Chicago Faucet**-residential, hospital, industrial, commercial, lab & decorative faucets, **Eemax**-electric tankless water heaters, **Geberit**-commercial product division, sensor flush valves & faucets, pressure assisted toilet systems, metering faucets, **Guardian Equipment**-emergency eye wash & shower equipment, **Husky** - heavy duty & mid-range no hub couplings, **Intersan Mfg.**-stainless steel and polyresin washfountains, **Orion Fittings**-corrosion resistant piping systems, high purity water & dilution tanks, **Stern-Williams Co.**-terrazzo mop sinks & shower floors, drinking fountains, **Tyler Pipe**-Tyler soil pipe & accessories, Rufwall systems

Aqua Bath-acrylic ADA tub & shower unit, **Cooper Blinn**-pipe hangers & strut systems, **Dupage Products**-threaded rod & hose clamps, **Green Mfg. Inc.**-loading racks & stairs, **Hayward Industrial Products**-plastic pvc, cpvc valves, basket strainers, filters, pneumatic & electric actuators & solenoid valves, **Webster Pumps** -inmersible & centrifugal pumps, **Insul-Tele**-insulated piping systems, **Homestead**-plug valves, **Hydrotek International Inc.**-sensor operated faucets & flush valves, **Mission Rubber Co.**-"heavyweight" no hub couplings, **Noble Co.**-anti-freeze non-toxic, CHE shower pan lining, **Richmade Co.**-pvc shower pan lining, **Rockford Sanitary Systems**-grease interceptors, oil separators, **OPW Engineered Systems**-loading arms, sight flos, iso rings & swivel joints

AC Fire Pump Systems - horizontal split case, end suction & in-line fire pumps, ul & fm packaged systems including skids & pre-fabricated houses, **Floway Pumps** - vertical turbine fire pumps, **Cla-Val** - fire control valves, ul & fm, **Guardian** - Guardian fire equipment, hose equipment and brass, **Xerxes** - underground water storage tanks, **Modern** - pressure & steel water storage tanks.
Field service work for all manufacturers of pumps, controls and accessories.
Annual fire pump tests and preventative maintenance.

Apollo - all valves, butterfly valves, pneumatic & electric actuators mixing valves, pipeline strainers, **Colonial Engineering**-PCV/CPVC/PVDF/PP ball valves, PVC butterfly valves, PVC/CPVC unions and PVC/CPVC strainers, **Conbraco**-backflow preventers, safety relief valves, check valves, plumbing and heating products, **Central**-flange insulation kits, unions, STAC corrosion control, polyethylene fittings, electrofusion, **IPS**-plastic pipe cements, primers and cleaners, **Lasco**-Sch 40 & Sch 80 PVC & CPVC and PVC DWV fittings, **MIFAB**-roof drains, floor drains, cleanouts, carriers, grease traps, oil interceptors, access doors, tap primers, **Murray**-hose clamps, **Oil Creek**-polyethylene piping systems, **RP&C Valve**-800 & 1500 class forged steel gate, globe & check valves, 1690 & 2690 class y-pattern globe & check valves, needle valves, boiler blow-down valves, **Shaw Valve**-150 & 300 class high performance butterfly valves, **Sloan Flushmate**-pressure assist flushometer tanks, **Speakman**-emergency eye wash & showers, mixing valves, sensor faucets, metering faucets, lav faucets, shower heads, pressure balanced shower valves, **Techno**-check valves-wafar, swing, elastomer hinged, plastic & metal construction, **Watson McDaniel**-steam traps, regulators, pressure motive pumps, steam separators, exhaust heads, clean steam products

Watts Regulator Co. -regulators, control valves, relief valves, backflow preventers, ball valves, gate valves, butterfly valves, hydronic valves, tempering valves and other plumbing specialties

ASPE NEWS

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