

March 2003



Plumbing Design Class

Date: Tuesday, March 25, 2003

Time: 5:00 - 9:00 PM - Dinner and Masco Tour

Cost: \$15.00 per person

Location:

Masco Industries
21001 Van Born
Taylor, MI

Topic: Tour the Masco Industries and "Growing Pains"

Speaker: Peter Warshaw

Sponsor: Aqua Glass Products
Burke Agency
Delta
Major Sales

Please confirm your attendance by mailing in the registration form. The form is available on-line at www.aspeemc.org

PRESIDENT'S REPORT

**Joe Hernandez, CIPE/CPD
President**



All I can say is WOW, February has come and gone and what a month it turned out to be. Starting with the Fire Protection class with Emie Yonkers, PE, and concluding with a five-hour session with a most dynamic speaker, Julius Ballanco, PE on design standards. A survey was taken at the Fire Protection class on member opinions on this type of class. The results will reflect improvements and/or changes in future classes. To those who were present, thank you for your attendance and feedback.

I know it took several reschedules to bring Julius Ballanco in, but let me tell you what a night! Julius spelled out how the ASPE national is actively promoting to be a design standard association. He explained the roles that the different Associations play, sighting for example that the ASSE is a product quality standard writing body, but does not address the design in which it applies. This is where the ASPE is going to be a partnered with the International code writers and reviewing agencies to, through research and development, become a design standard writing association. If you would like to get involved with a design standard writing committee, contact Jill Dirksen, VP Legislative, at jill.dirksen@akahn.com. She will be able to give you an application form to fill out and send to Julius.

We also had a little auction that evening on several ASPE items. I'm pleased to announce that we raised over \$300 with all the proceeds going to the ASPE Research Foundation. We want to help in the effort in establishing the ASPE Research Foundation as the backbone of the design standard. Another auction is planned in May so save up those pennies - there are a lot of great items that will be going, going, gone...

Now that we are back on track with our scheduled meetings, we have some great events planned for the month of March (March Madness!). And speaking of tracks, I want to let you know that the tickets for the Night at the Races are now available. The Night at the Races will be on March 21 at the Northville Downs with one race dedicated to the Eastern Michigan Chapter. Now that's the right track!

March will also bring us back to the Masco Corporation and Showrooms. The Eastern Michigan Chapter has visited the Masco Headquarter several

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American Society of Plumbing Engineers

Eastern Michigan Chapter 2002-03 Technical Classes

*Held monthly at the
(except where noted)*

PMC Center
14801 West 8 Mile Road
Detroit, MI 48235
.....
September 24, 2002
Our Water Supply - Post 9-11

October 22, 2002
Commercial Kitchen Design and Layout

November 5, 2002
Joint Meeting with ASHRAE and ASPE
at the new "Ford Field"

December 10, 2002
Snow Melting and Radiant Floor Design

February 25, 2003
Forming a Code Standards Committee
between ANSI/ASTM/ASPE

March 25, 2003
Masco Industries Tour

April 22, 2003
Mechanical Room Design

May 27, 2003
Irrigation Systems Calculations and Design

*For instructor name and course description,
visit our web site at www.aspeemc.org*

President's Report

continued from pg. 1

times in the past and it has always been a very enjoyable evening. Every product that is produced and affiliated with Masco involving plumbing is on display in a functioning exhibit. There is also a tour of the fine art collection of the Manoogian family. The featured speaker will be Mr. Peter Warshaw. Pete is a contributing editor to the new ASPE Plumbing Systems and Design magazine and a whole lot of fun. The cost is \$15 per person, which includes hors d'oeuvres, refreshments and dinner. Our Western Michigan cousins will also be in attendance - just a great time.

So to recap, March 21 is Night at the Races and March 25 is the Masco Tour and Chapter general meeting. Let me say on behalf of the Board we apologize for the way things went in January, but we felt that the program on Design Standard Writing was a very important program and had no idea we would experience this fragmentation of events.

Remember to sign in on the record sheets with Cindy Zatto of VE Sales to be in competition for the Palm Pilot M105. One dedicated member will be notified by the board for perfect attendance and receive this Personal Digital Assistant (PDA). If you happen not to get a PDA, don't worry there will always be next year!

Joe

Thank you to our sponsors...

A special thank you to the following manufacturers' representatives for sponsoring our events. Let them know you saw their names here.

February 15th Fire Protection class:

Dann Holmes & Doug Cryer of Viega Inc., Darrell Underwood of Underwood Fire Equipment Company, Jeff Cameron of Cameron Sales Company-Reliable Auto Sprinklers, Dick Marot of Tyco Fire Products, Dan Kowalski of Etna Supply Company, and Cindy Zatto of VE Sales.

February 25th meeting:

Dane Badgero of NIBCO, Larry Johnson of Metro Pipe and Supply, John Nussbaum of MBPA, Alec Bien of Quality Water and Air, Alan Thomas of Cast Iron Soil Pipe Institute, and Paul Baker of the ASSE.

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.

VP TECH REPORT

Douglas W. Cryer, CSI CIPE/CPD
VP Technical

It is March. I assume most of you are waiting very anxiously for the warmth of spring and getting back outside. March also means March Madness on television for the NCAA basketball tournament. But, this March Madness is for the next two ASPE Events. Notice I did not say meetings? The types of events I'm referring to for ASPE are the Annual Night at the Races, set for Friday, March 21, 2003 (first day of Spring) and an evening at Masco Industries slated for Tuesday March 25, 2003.

The Night at the Races social gathering has always been an enjoyable time for members to gather together as friends, with spouses for a rousing, if not rowdy, crowd. It's great to see all the frivolity. Please plan on attending. Either through your favorite manufacturer's representative (me included) or by purchasing tickets through the mail with the special mailing brochure that should be in your hands before you read this article or see the advertisement in the March newsletter for registration for tickets. You can buy a table for your own friends and relatives. Most every family has someone who loves the thrill of gambling. We are not limiting who attends this event and encourage participation. Ask around. It's fun, fairly inexpensive to eat, drink and bet (depending on how lucky you feel). The venue is still at Northville Downs, Northville, MI. I know I'll see quite a few of you there.

The second social gathering is scheduled for the evening of Tuesday, March 25, 2003 at the Masco World Headquarters Building in Taylor, Michigan. This event is a monthly meeting co-sponsored with our Western Michigan Chapter. They will be in attendance, by way of a bus, from Grand Rapids, Michigan. Please introduce yourselves to someone who is not familiar to you. In addition, my intent was to have a night that our spouses can walk through an office building setting and feel like an Art Museum, with all of Mr. Manoojian's beautiful collection of "American and Western American" paintings and bronze "Remington" statues located throughout. Another fine feature of the Masco Headquarters is their showroom of Masco Owned Companies. From paint to bedroom furniture to innovative European products yet to be seen in the United States to ... well, you'll see. It is truly awesome.

I walked through this building about 15 years ago as a Designer at Edelstein Associates to do field work for the demolition work in the small offices they had, and transformed that into what is now, one beautiful building. I luckily, was invited back last year as an engineer, for a "Delta Experience". I was very impressed with the layout of the

"Showroom" and wanted my wife to see what I had seen. I know she'll see some decorating ideas and/or products to investigate.

The main points of the Masco evening should be to meet fellow ASPE members from the Western Chapter and look around at all the possibilities that are available to the commercial plumber, engineering designer or something we all are, just plain homeowners. This meeting is not meant to be an advertisement for Delta Products. Although, they have my deepest appreciation for allowing our Chapter to have a monthly ASPE meeting in their facility and being gracious sponsors for a portion of the event expenses.

There will be cost associated for this meeting, due to the location, number of people anticipated for food, beverage and desert provisions. We are asking for a small charge of \$15 per person, member or non-member. We suggest business casual attire for this meeting. Also, do not forget to bring business cards to share with all the new or old friends you see. If time schedules allow, please bring your spouse.

Our speaker will be Mr. Pete Warshaw. His discussion will be generic in nature regarding where the plumbing industry was, where it is and where it is headed. I look forward to his insightful comments.

Your continued involvement and attendance for meetings are crucial topics for the Board of Directors. We strive to make choices for courses that will bring information, innovation and forethought to our chapter meetings. I am asking all the readers of this article to jot down some topical data that you are questioning, struggling with or find just plain confusing in the mechanical/plumbing arena and forward them via fax, e-mail, phone or in person to any of the Board Members listed on the cover sheet of this newsletter. I also encourage you to read the Vice President Technical Commentary article in this Newsletter edition for additional reasons that I am asking for your input and help.

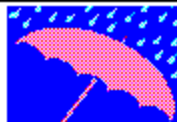


Spotlight on our Members

Take a good look at the November/December 2002 *Plumbing systems & design* magazine. Four of the Eastern Michigan Chapter's board of directors are smiling big for the camera on pg. 68. And isn't that Jill on pg. 64 in the food line??



April



S	M	T	W	T	F	S
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

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April 22 when
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Design
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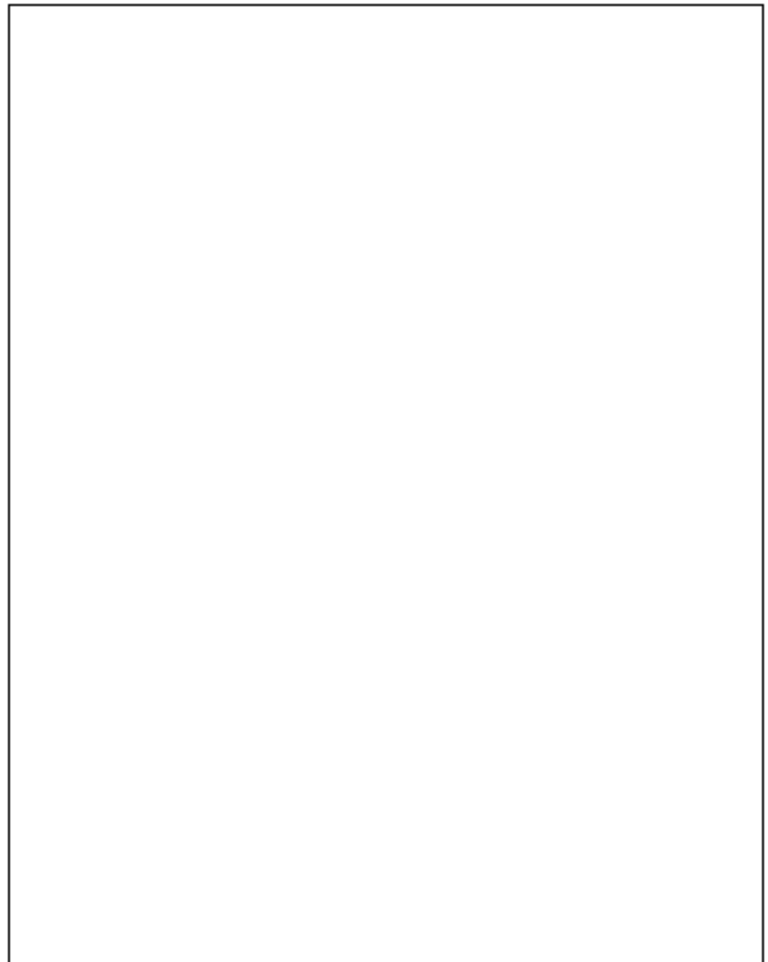
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In My Opinion...

by Douglas W. Cryer, CSI CIPE/CPD

Hello Membership,

It seems like a long time since I last spoke, wrote or seen most of you. Months have gone by since our last Technical Session. I was in Germany for our December meeting and we had to cancel our January meeting due to a conflict with Julius' personal schedule. Here we are now, in February and I'm writing to inform you about how our Special Course on Fire Protection went.

Our Fire Protection Technical Meeting was held on Saturday February 15, 2003. Where was everyone? Was it because we had the class on Saturday? Perhaps, the cold weather kept you away? Was the cost of the course too much? Apathy? As you can sense from the tenor of my previous sentences, I was somewhat disappointed in the turnout for the course that I felt has been needed to be given and talked about for a couple of years.

I realize that as a plumbing engineer, our responsibility for Fire Protection stops at the riser, but I always wanted to understand what happens when the Fire Protection design engineer looks at our plans. Only 20 or so people actually came to hear Mr. Ernie Yonkers, from Albert Kahn Associates, Inc. and Mr. Darrell Underwood, from Underwood Fire Protection speak about the nuances of designing a fire protection system.

I always felt that it was my responsibility to understand the architects room layout, room types (storage, stage, chemical storage in a chemistry room, etc.) and sizes to best determine the use group, hazard condition and most remote 1,500 square feet. In addition, I made valiant attempts to nail down the water pressure at the vicinity of the new or existing water main to determine if there was adequate water pressure after the backflow preventer, riser assembly and pipe friction loss for the longest run. Let's not forget the height of the building. Some communities require a safety factor of 10-20 psi on the calculation at the farthest head. The height of the building can nullify that cushion very quickly. Is this how anyone else feels, besides the few people that actually came to our class?

Has apathy taken over within the plumbing engineering and fire protection installation trades? Apparently, it has! Our Chapter offered this class so that people from both of these segments of our industry could come together and have a good forum with one another, in one room; with one common goal of understanding what each other's responsibilities are in the assembly of the construction documents. Didn't happen.

I did not scrutinize the list of attendees, but I don't think that there were any Fire Protection Installers in attendance to share their stories of woe within their industry. I do not want to pick on any one portion of our profession for not being there, so I won't. Although in fairness, I will note my disappointment in not seeing many major players representing the large engineering firms either. Our topic planning, getting speakers, printing flyers, postage, mailing and even calling some of you to see if you would be attending, went un-noticed with lower than expected attendance.

The Eastern Michigan Chapter Board does not put these extra classes on so we can make revenue. These courses are for the benefit of our members, interested non-members and the sponsors.

I personally, as Vice President Technical, have the responsibility of setting the course topics, schedule dates and get sponsorship. Finding sponsorship is very difficult for me to do. I do not really like to call product vendors (now, like myself) to ask them for money. Most manufacturers' representatives have had their marketing budgets cut back and they have limited monies to offer associations like ASPE. I tell these "Rep's" that we have a good chapter for attendance and they can possibly get to see 20-30 engineers at a typical meeting. That is very tempting to the manufacturer representative, because you come to us, rather than us coming to you for Lunch and Learns or just a visit to update your catalogs.

Over the years our meetings have been very beneficial for seeing new products and getting to know one another on a more social level, than in the sterile office environment. Plus our monthly tabletop sponsors help to sustain our chapter budget. My disappointment was overflowing for the "Reps" on that early and cold Saturday in February, due to lack of attendance. I am sorry to all the manufacturers who came in and set up on February 15, 2003.

The program itself was very informative and lively. Ernie and Darryl split the duties of speaking and did a very good job of keeping us alert with funny anecdotal stories of problems that each has seen over their many years of experience. I won't go into detail, because everyone who was there knows what went on and was said and all the rest of you, it seems, could care less.

Shame on me for thinking that helping any of you is worth my volunteer time for assuming you want to know another side of the business.

Do we need to keep having these extra classes? Do not come back to me and complain that you do not have enough CEU's, REU's or whatever, when it is time to renew your CPD status.

NIGHT AT THE RACES FRIDAY MARCH 21, 2003

MARK YOUR CALENDARS, YOU ARE INVITED TO

ASPE - EASTERN MICHIGAN CHAPTER'S

NIGHT AT THE RACES

AT NORTHVILLE DOWNS, NORTHVILLE, MI

LOCATED AT THE CORNER OF SHELDON & 7 MILE RD.

THE DOWNS IS JUST 2 MILES FROM 7 MILE RD EXIT OFF I275

DOORS OPEN: 6:30 PM

BUFFET DINNER: 7:00 PM

POST TIME: 7:40 PM



TICKETS: \$27.00 EACH

**FOR MORE INFORMATION CONTACT:
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Merlo Steam Equipment Co., Inc.

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Nibco Inc.

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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, **Trawl-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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