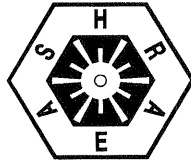


THE BADGERAIRE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS, INC.

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A PUBLICATION OF THE WISCONSIN CHAPTER OF ASHRAE

Volume Number 2008.9-II – Sept., 2008

October 21, 2008 Program---Chemical Free Water Treatment

Note Date Change!

The board has decided to present a number of “green” topics this year. Designing HVAC systems that use fewer chemicals (which can end up in community water supplies) and less water falls into this category. Most non-chemical systems utilize electrical fields to inhibit biological growth. Early systems were unsatisfactory in that they were promoted as panaceas. They were underpowered and failed to recognize the need for additional filtration and adequate monitoring. However, the FDA has approved the use of electrical fields to inhibit bacterial growth in food processes and a number of HVAC companies have now developed systems for both cooling towers and closed systems that perform as effectively as chemical based systems. Today’s successful systems also monitor multiple water characteristics and use associated software to optimize cycles of concentration, minimizing water lost to blow down. And, in some instances, the chemical- free blow down can be re-used for other purposes.

Jerry Davey will discuss today’s technologies, including what was learned from earlier attempts at chemical-less systems. Jerry is a chemical engineer with over 20 years of water treatment experience, and is currently part of the Griswold Filtration organization, providing non-chemical water treatment and filtration in one package.

Program Date: Tuesday, October 21, 2008

Program Location: Charcoal Grill, New Berlin (16840 W. Cleveland, 53151)

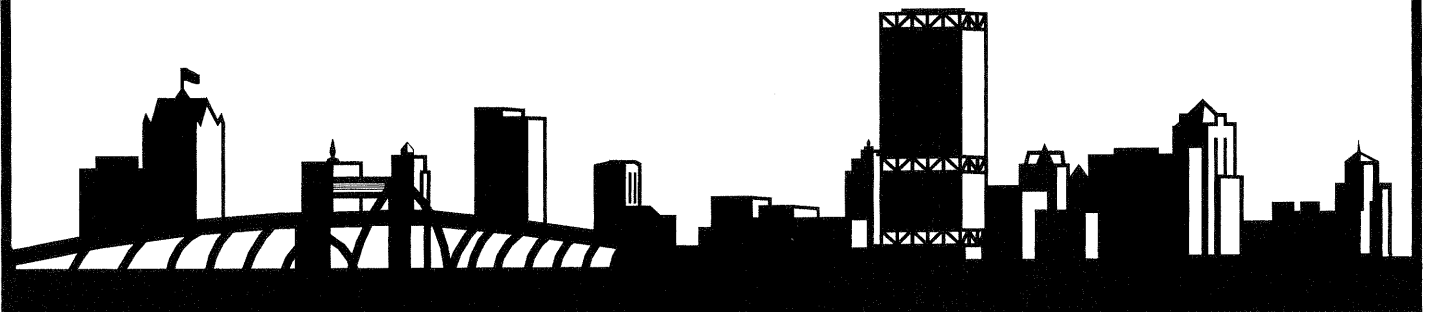
Registration Time: 5:00 pm - 5:30 pm

Program Time: 5:30 pm – 6:30 pm

Dinner to Follow

Reserve at www.ashrae-wi.org.

Prices: The program cost is \$20 for non-members. There is no cost for local Wisconsin Chapter ASHRAE members. Checks should be made payable to the “Wisconsin Chapter of ASHRAE.”



PRESIDENT'S COLUMN

I want to thank everyone who came to the meeting at Discovery World. We had a great turnout and I want to make sure we thank Kevin Pope and Stacy Jennings (I hope I spelled that right) for their help with the tour. Also, special thanks to Bill Armstrong for putting together the location and food.

This month Jerry Davey will be talking about Non-Chemical Water Treatment. We hope to see everyone at the meeting.

We are once again offering the Table Top presentations this year. More information is provided in this newsletter.

Don't forget that our chapter is hosting CRC in 2010. If you are interested in helping with the committee, please contact Mike Jahner, CRC Chair, at 414.288.6104. And if your company happens to hear from us, as many will, we are looking for donations to help fund CRC....

Maggie Roll
Wisconsin Chapter of ASHRAE President
mroll@rindu.com
414.778.7422

TABLE TOP PRESENTATIONS

Starting this month and at select meetings in the upcoming year we will allow table top presentations for individuals wishing to display a product or service. Upcoming table tops will be advertised in the Badgeraire if a write-up is available in time for the newsletter printing. The table top will be available during the social hour before the "Official" meeting. The cost of the table top is \$175 with all proceeds going towards Research Promotion. The chapter is saving all these donations for an honorarium donation in the name of a local chapter member. Spots are available on first come, first serve basis. Please contact Maggie Roll.

OCTOBER 21, 2009 TABLE TOP

Fluid Handling, Inc. will present the October 21st table top. They will show the Tekmar TN4 building automation system. Using a "Mini Mac" for its gateway to the WEB, this system is an "entry level" BAS aimed at light commercial and high end residential construction, allowing a WEB based system at a reasonable cost for these buildings.

RESEARCH PROMOTION



"science for sustainable environments"

THANK YOU ALL!

Before we start our new year, it is in order to thank those individuals and companies who have invested in the future of our profession through their contributions to ASHRAE Research. Thank-you!

Because of your donations, ASHRAE has for the first time exceeded \$2 million in annual contributions. All of those dollars go directly to support ASHRAE Research to help us address the major challenges we face in creating and operating high performance buildings.

Demonstrating that 'leaders go first', our Chapter officers last year all contributed at the Honor Roll level, gaining the Chapter the ASHRAE Full Circle Award. (This year's officers have likewise committed to repeat that – this year's leaders have gone first.)

For 2007-2008, the Wisconsin Chapter was able to exceed its \$5,000 goal with a total contribution of \$6,545. Special thanks go to Desert Aire Corporation, but all levels of contribution are needed and appreciated.

Our challenge this year has a dollar goal of \$6,500. We should be able to bust that! The real challenge is to increase member participation

while achieving the dollar goal. That would demonstrate our commitment to advancing our profession. We have less than 5% of members contributing now. How about setting goal that is 4-times that?

Our goals then for this year will be to raise more than \$6,500 with participation from at least 75 of our members. We can do it! Want to help?

Contact:
 Jude Anders (jaonthe-shoreline@yahoo.com)
 ASHRAE Wisconsin Chapter
 Research Promotion Chair

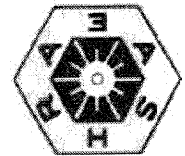
EDITOR'S NOTE

The board would like to continue to grow the chapter! Attending meetings is a great way to learn and to connect with other HVAC and Refrigeration professionals in southeast Wisconsin. If you have not been attending we invite you to start. And if you do attend regularly, invite a business associate or a customer to tag along or to be your guest. As has been stated in this column before, another benefit in addition to education is that the inevitable day-to-day problems that arise are easier to solve when working with someone with whom you have shared a table or enjoyed a beer! So come on out. We think you will like the experience.

**Chapter Research Donors
 2007-2008 Campaign**

<p>Golden Circle (\$10,000 and above)</p>
<p>ASHRAE Partners (\$5,000 - \$9,999)</p> <p>Desert Aire Corporation</p>
<p>ASHRAE Associates (\$2,500 - \$4,999)</p>
<p>Major Donors (\$250 - \$2,499)</p>
<p>Honor Roll Donors (\$100 - \$249 Individual/\$150 - \$249 Business)</p> <p>Jude Anders, Shoreline Concepts, LLC Bill Armstrong, Fluid Handling, Inc. Lorisa Behrens, Symbiont Jason Gerke, Graef Anhalt Schloemer & Associates, Inc Graef, Anhalt, Schloemer & Associates, Inc. David Grassl, Ring & DuChateau, Inc. Steve Hagman, Christopher Kidd & Associates McCotter & Hansen, Inc. Bernard Radoszewski, Air Technologies, Inc. Maggie Roll, Ring & DuChateau, Inc.</p>
<p>Research Donors</p> <p>Dennis Fadeski, Fluid Handling, Inc. Andy Fleck, Fluid Handling, Inc. Robert Fritchen, Modine Manufacturing Co. Paul Johnson, Fluid Handling, Inc. Steve Kohn, Fluid Handling, Inc. Geoffrey McLaughlin Melvin Meyer, Milwaukee Group David Mikolainis, Fluid Handling, Inc. Noel Showers, Showers Prototypes Alexander Weisheim, Auer Steel & Heating Supply</p>
<p>Table Top Participants</p> <p>Fluid Handling, Inc. (November) Hydro-Flow Products, Inc. (January) H.O. Trerice Company (March)</p>

WISCONSIN CHAPTER OF ASHRAE
 P.O. BOX 13643
 WAUWATOSA, WI 53095-0643



Upcoming Meetings-Mark Your Calendars!

MEETING DATE / THEMES	LOCATION	TOPIC	SPEAKER
Tuesday, October 21, 5:00 P.M.	Charcoal Grill, New Berlin	Chemical Free Water Treatment	Jerry Davey, Griswold Filtration
Thursday, November 20	TBA	Case Study, UW Madison Utility Project, Problems and Solutions	Dave Del Ponte, Ring and Du Chateau
Thursday, December 4	Milwaukee Ale House	Informal Christmas Party	None—Strictly Fun!
Thursday, January 15	TBA	State Code Review	Randy Dahmen
Thursday, February 19	TBA	TBA	TBA
Thursday, April 16	TBA	TBA	TBA
Thursday, May 21	TBA	TBA	TBA