



The PENNANT

Newsletter of the
ASHRAE® Central Pennsylvania Chapter
www.ashraecenpenn.org

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President's Message ...



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I would like to thank all who made our December 8th meeting successful and especially thank Curt Eichelberger again for presenting on acoustics.

The next meeting will be on January 12th at the Holiday Inn in New Cumberland. The topic will be Cooling Tower and Chiller Interaction.

In February the education committee will present a PDS on Indoor Air Quality by Dan In-Hout who is an ASHRAE Distinguished Lecturer. I encourage you to attend this program, as Dan is an excellent speaker.

In other news the board voted at the December meeting to sponsor a meeting for our local members in the coming year. If you have any suggestions on a location or program please send it along.

As 2004 comes to a close I would like to thank all the local membership for making our chapter a success. I look forward to greater successes in 2005 and want to wish everyone a Merry Christmas and a Happy New Year.

Respectfully,
Myron Ramage
President

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Meeting Agenda

Wednesday January 12, 2004

3:30 – 5:00	Board of Governors Meeting
5:00 – 6:00	Social Hour
6:00 – 6:45	Chiller and Cooling Tower Interaction
6:45 – 7:15	Dinner
7:15 – 8:15	Chiller and Cooling Tower Interaction

Chiller and Cooling Tower Interaction

By Frank Morrison, Baltimore Air Coil

Water-cooled chiller systems have typically been designed around entering condenser water temperatures of 85°F with nominal condenser water flow of 3 GPM/ton and a 10°F range. In recent years, there has been considerable debate on the merits of designing around lower nominal condenser water flow rates with a higher range in order to improve system lifecycle costs.

However, two other parameters must also be considered in any analysis - approach and design wet bulb. The question to be answered is:

What nominal condenser water flow rate and approach is best from a first cost standpoint as well as from a full load energy standpoint at any given wet bulb?

A study was recently completed in an effort to answer this question using actual first cost and full load performance data from a variety of chiller, cooling tower, and pump manufacturers for a nominal 500 ton water cooled, centrifugal chiller system. This presentation reports on the findings from that study.

Frank Morrison

During his career at Baltimore Air Coil, Mr. Morrison has spent 21 years in Research and Development and Product Development. The past four years Mr. Morrison has worked for BAC Marketing. In addition to holding five patents on heat transfer and piping design, Mr. Morrison is a member of ASHRAE SSPC 90.1, Mechanical Subcommittee, ASHRAE TC 8.6, Cooling Towers and Evaporative Condensers, and ASME B31.5 Refrigeration Piping & Heat Transfer Components Committee.

Reservations

**Holiday Inn Hotel and Convention Center
Interstate 83 & PA Turnpike
New Cumberland, PA
Phone # 717-774-2721**

Deadline: Monday, January 10th at 1:00 p.m. PLEASE!

Program Cost: \$ 30.00 Retired/Students: \$ 5.00 <mailto:reservations@ashraecenpenn.org>

Please provide:

Your Name:

Company:

Phone:

Sessions:

ASHRAE Member or Student Member

Note to all Chapter Officers and Committee Chairs:

Chapter Officers, Board Members and Committee Chairs have standing reservations. If you do not RSVP by the deadline, you will be billed for the fun time you missed.

Directions

From Harrisburg:

83 South to Limekiln Road
Exit

From Lancaster:

283 West to Pa Turnpike
Pa Turnpike West one exit
(HBG east)
North 83 to Limekiln Road Exit

From York:

83 North Limekiln Road Exit

Schedule of Events

Date	Event	Topic / Description
September 8, 2004	BOG Meeting / Program	Indoor Air Quality By W. Edward Montz, Jr., Ph.D., CIAQP
October 4, 2004	BOG Meeting / Program	Hydronics By Dan Holohan
November 3, 2004	Professional Development Seminar	Professional Energy Code Seminar ANSI/ASHRAE/IESNA Standard 90.1-2001 By Larry Spielvogel, PE
November 10, 2004	BOG Meeting / Program @ Appalachian Brewing Co. Harrisburg	Resource Promotion Night Humidification By Scott Herr and Dean Scheurich
December 8, 2004	BOG Meeting / Program @ Holiday Inn New Cumberland	Acoustics By Carl Eichelberger
January 12, 2005	BOG Meeting / Program Location TBD	Cooling Tower and Chiller Interaction
February 2005	Professional Development Seminar	Indoor Air Quality By Dan In-Hout (ASHRAE Distinguished Lecturer)
February 9, 2005	BOG Meeting / Program @ Appalachian Brewing Co. Harrisburg	Natatorium System Design
March 9, 2005	BOG Meeting / Program @ Holiday Inn New Cumberland	ASHRAE Standard 62
April 20, 2005	BOG Meeting / Program @ Appalachian Brewing Co. Harrisburg	Student Activities Night – Student Presentations
May 12, 2005	BOG Meeting / Baseball Game!! @ City Island, Harrisburg	Senator's Outing Family Night
TBD	Golf Outing	Membership Promotion Day

Attend the four remaining Programs for \$90, by purchasing a Program Ticket – details on the next page.

**Save \$30.00
Avoid the Hassle!**

Bulletin Board

2004/2005 Manufacturers' Representatives Product Directory

This year's directories have been printed and mailed! If you did not receive your copy or would like to purchase additional copies for \$15, please contact Bob Miller rmiller@ashraecenpenn.org



Program Tickets

Purchase your year of programs in advance and get the following benefits!

No messing with money/checks at the door!

One Program Free!

Two guest passes!

Buy one for your company and pass it around to your employees!

~~~~~  
Cost \$90.00 (\$30.00 Savings)

Program Tickets will be available at the January 12<sup>th</sup> meeting.

Please see Bob Miller

[rmiller@ashraecenpenn.org](mailto:rmiller@ashraecenpenn.org)

717-664-0106

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Program ticket is for the 2004/2005 season

Guests may be members. Preregistering is required.

Free program does not include the Senators Outing, Golf Event or PDS's.

If you have any announcements that would be of interest to the local membership, please submit request to mtome@ashraecenpenn.org for posting on the bulletin board. The chapter retains the right to reject any request.

Bulletin Board

An Old Tradition Revived: Business Cards in the Pennant

Support the Central Penn Chapter of ASHRAE and keep your name in front of your clients and peers.

\$25 includes a card in every issue of the Pennant until June 05.

Send cards to:

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Authorized Representatives For



Announcements

Promotions

Carl Courtney will be teaching the HVAC section of the ASME PE Review Course. Persons interested in the review course can contact Mike Grandia of ASME at Mgrandia@hotmail.com for details.

New Employees

Barton Associates welcomes Kevin Krebs and Michael Minnich to their staff. Kevin is working as a HVAC Designer in BA's Institutional department, and Michael is filling the same position in the Healthcare department.

New Members

Mike Parker, Johnson Controls, has transferred his membership from the Albuquerque, NM chapter. Welcome to the Central PA Chapter!

Weddings/Births/Deaths

Anniversaries

Misc.