



**ASHRAE**  
**NEWSLETTER**

September 2005



**American  
Red Cross**

*“News and Announcements from the Nashville Chapter of ASHRAE”*

**SEPTEMBER MEETING: New Technologies in Dehumidification**

**September 2005  
Chapter Meeting**

**TOPIC:  
New Technologies in  
Dehumidification**

**Date:  
Tuesday, September  
13, 2005**

**Location:  
TN Engineering  
Center  
@ The Adventure  
Science Center**

**Meeting Time:  
11:30am-1:00pm**

**Speakers:  
Art Hallstrom, P.E.  
ASHRAE Fellow  
Airside Applications  
Eng. Manager, Trane**

Fellow ASHRAE Members:

Welcome Back! I hope everyone had an enjoyable summer and I'm sure many of you are ready for the cooler weather. I would like to start off by recognizing Lynda Wimberly for an outstanding job in leading our chapter last year. A few of the highlights include record attendance for the monthly meetings, a successful student night, a “sunny” golf tournament and exceeding our goals for Research Promotion – Thanks Lynda. We have a group of officers from our Chapter going to the Chapters Regional Conference (CRC) in Chattanooga this weekend. The CRC consists of business meetings and training sessions that allow our officers to more effectively run our local chapter. We hope to bring new ideas back to Nashville to keep our chapter headed in the right direction. If you would like to become more involved with our chapter, call me or any of the officers. We can always use new faces to help.

Over the past few years, we have focused our monthly programs on industry issues identified by our consulting engineers and have seen our average attendance increase each year. If there is an issue or topic you feel would be valuable for our chapter, please contact our Programs Chair, Don Reaville as we have a few openings available later this year. Our meeting this month will be on New Dehumidification Technologies and will be presented by Art Hallstrom with Trane. You can get more information from the meeting announcement and speaker later in the newsletter.

**Don't forget to respond to our meeting announcement email if you plan to attend.  
Please RSVP to [dwleonard@trane.com](mailto:dwleonard@trane.com) by Friday, September 9<sup>th</sup>.**

Be sure to log on to [www.ashrae.org](http://www.ashrae.org) to check your member status and pay your dues (national and local if necessary). You will need your ASHRAE member number and PIN# (both located on your ASHRAE membership card) to log on to the site. While you are there, check your contact info to make sure it is correct.

See you at the meeting,

Dan Leonard  
President, Nashville Chapter of ASHRAE

## TOPIC - The Newest Dehumidification Concept - Series Desiccants

Some constant volume systems have limited part load dehumidification performance. Result: Higher than desired space RH levels which in turn might contribute to mold and mildew problems. New research has created a series desiccant wheel that wraps around the cooling coil. This wheel captures water leaving the unit and puts it back into the return air without using gas heat. The result is a single fan system capable of creating very dry (20 dewpoint) leaving air conditions. Series desiccants offers designers an alternative to gas fired desiccants, heat pipes, coil loops, and run-around loops dehumidifiers.

## THIS MONTH'S SPEAKER - Art Hallstrom, P.E. ASHRAE Fellow.

Mr. Hallstrom has been involved in a large number of innovative HVAC concepts in the last 30 years. He has worked with predictive acoustics programs, flow shaping silencers, UV lights, and electronic filters. Recently, Mr. Hallstrom and Dr. Charlie Cromer were lead investigators in an ORNL/DOE Sponsored program for Enhanced Dehumidification Rooftops. The presentation comes from that research. Mr. Hallstrom is currently the Director and Regional Chair for ASHRAE Region VII.

## MARK YOUR CALENDAR!

### 2006 ASHRAE Spring Golf Outing



#### Windtree Golf Course

Friday, April 21, 2006

We are also looking for some volunteers to help with the tournament. If you are interested please contact Matt Nicholson (615) 770-8100, for more information.

### Chapter OFFICERS and BOARD OF GOVERNORS

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Matt Nicholson

NEWSLETTER  
Jill Kueker

## STUDENT ACTIVITIES - FUNDAMENTALS BOOKS FOR STUDENTS

Have you been wondering what to do with your old Fundamentals book now that the 2005 one has arrived? Don't throw it away. You can donate it to a student member of ASHRAE and help them learn how much ASHRAE has to offer them. Our chapter now supports student branches at TSU and TTU through our scholarship program and student night. Now we have another way to encourage students to consider a career in HVAC. Just bring your 2001 Fundamentals with you to the September meeting or drop it by I.C. Thomasson if you can't wait until then, and the Student Activities Committee will distribute the books to new student members.

Thanks for your support.

Burkley Allen, P.E.  
Student Activities Chair

## CHAPTER PROGRAM SCHEDULE FOR 2005

### 2005

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- October 11th:           Acoustics in Design  
                                  (Overview of Nashville Symphony Project)
- November 8th:         Variable Primary Chilled Water Systems
- December 13th:       High Density Cooling

All ASHRAE Meetings are held in the Jack Wood Auditorium at the Tennessee Engineering Center, which is located at the Adventure Science Center, 800 Ft. Negley Blvd., Nashville, TN

Meetings are Luncheon Meetings from 11:30 AM to 1:00 PM

### Costs:

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Members who have PAID local chapter dues:	Included
Members who have NOT PAID local chapter dues:	\$15.00
Guests:	\$15.00