

CLEVELAND ASHRAE NEWSLETTER

May 2008

MAY MEETING

The Black Hole in System Efficiency

May 19, 2008

Times:	4:15-5:30pm	Board Meeting
	5:30-6:15pm	Happy Hour
	6:15-7:15pm	Dinner: Surf & Turf
	7:15-8:15pm	Presentation

Speaker: David Benson
Location: Harry's Steakhouse
5664 Brecksville Road
Independence, OH 44131

R.S.V.P. @ (216) 373-0315 by 12:00 Noon on Friday, May 16th for Reservations.
Please state if you need a CPD Certificate. Dress Attire is Business Casual.

Join us on Monday, May 19th for our presentation: "The Black Hole in System Efficiency." Mr. David Benson, of Huntair, will be visiting to discuss fan systems, operating schemes and overall system efficiency.

Don't forget...May is Past Presidents Night. We look forward to seeing our Past Presidents and we encourage all current members to attend and say thanks to our Past Presidents for serving our chapter.

This Month's Sponsor

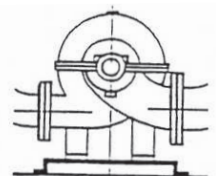
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7601 FIRST PLACE DRIVE, STE. A13 • CLEVELAND, OHIO 44146
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If you are interested in sponsoring the newsletter,
please contact Matt Morgan at 216-391-3700.



THE PRESIDENT'S CORNER

BY KEN WISSNER



As you are aware, in our society and world today, there is only one thing that is constant, and that is change. It's no different in our small corner of the world either. That being said, the time is near for change within our local ASHRAE Chapter. It's with much ambivalence that I find myself writing what will be my last message to you as the Cleveland chapter president. Oh well, all things good or bad eventually come to pass.

Whatever your opinion, the past year could not have been what it was without the help and participation of the great people within the Cleveland Chapter Board, Committee Chairmen and General Membership. Regardless, of where you fall, it's my desire that you can reflect on the past year and recall a successful period in our Chapter's history. A special thanks to our newsletter editor Matt Morgan for publishing and extending the deadline for me every month.

My last official act will be the annual golf outing in June at Sugar Bush Golf Club in Garrettsville to benefit our local chapters' scholarship fund and spend time with old friends reminiscing about the old days. Please attend this worthwhile event and support our scholarship activities. Remember, these students are the future of our industry. Thanks to its organizers (led by Ken Borah) and your participation, last year's event was a big success and with your continued support, we expect nothing less this year.

This month is our annual Past President's night where we honor the people who have preceded me as our Chapter President. Join me in honoring these people and thanking them for their time and efforts that they have given our chapter.

As it has been consistent throughout the year, let this not be the last time you are reminded to pray for and think of all the great men and women in our Armed Services and especially remember their sacrifice for our great nation.

OFFICERS & COMMITTEE CHAIRMEN

2007-2008 Officers and Board of Governors

President Ken Wissner
President Elect Matt Nelson
Treasurer Robert Laneve
Secretary Andrew Tenhundfeld

Board of Governors

Billy Kodosky
Shawn Beres
Ken Borah

Committees and Chairs

**Chapter Technical
Transfer Committee** Robert Laneve

**Programs
(CTTC)** Robert Laneve

Refrigeration (CTTC)

Richard B. Long

Gov't Activities (CTTC)

Matt Nelson

Membership & Roster

Billy Kodosky

Product Directory

Daniel J. Bacik

Research Promotion

Dominic Cacolici

Newsletter

Matt Morgan

Student Activities

Scott K. Jordan

Honors & Awards

Fred H. Hollman

Historian

Dave Deschler

Science Fair

Steven R. Armstrong

Meeting Host

Shawn Beres
Joe Deucher

Scholarship Fund (Sal Triana & Gardiner)

Scott K. Jordan
Richard B. Long
Jerald K. Cohen
Gary Gardiner

Golf Outing

Louis A. Bentzen
Ken Borah

Engineer's Week

James G. MacMillan

Special Events (December Social)

Mike Denk

Budget & IRS Compliance

Fred H. Hollman

Sunshine Fund

James W. Wickert



SPEAKER BIO

David Benson is the president and founder of Huntair, Inc. and Cleanpak International, Inc. Huntair is a leading manufacturer of custom HVAC equipment and is well known for their patented FANWALL TECHNOLOGY®; CleanPak is a leading manufacturer of cleanroom systems used in the critical life science and semiconductor industries.

Mr. Benson holds a Bachelor of Science in Industrial Technology from Cal Poly San Luis Obispo. He began his career at Intel as an HVAC Designer and from there went on to become the Facilities Director at Lattice Semiconductor. He founded PACE CleanPak in 1988 and Huntair in 1993. Both companies were acquired in 2006 by Nortek, Inc. and are now a part of the CES Group™ of companies. Benson has over 25 years experience in the semiconductor industry and in equipment design, manufacturing, and system efficiency.



APRIL MEETING RECAP

Mr. Brian Kammers, of AAON, visited our chapter on Monday, April 21st and presented “Dehumidification in Commercial Buildings.” While designing our built environment, an engineer strives to create a uniform environment while utilizing an efficient and cost effective HVAC system. Humidity control is key to an acceptable occupied space.

Brian discussed various system designs and explained why some systems control humidity better than others. Poor humidity control is often created by a lack of capacity, poor modulation or a lack of reheat controls. Humidity control with a single zone system is difficult because it is highly influenced by outside air conditions. Additional humidity control in a single zone system can be achieved with hot gas reheat, but this has an energy cost. Mixed air bypass systems can improve humidity control, but the implementation of return air bypass with reheat, is a better solution and is the most flexible. This type of system will modulate by-pass air, modulate the amount of reheat and modulate the cooling capacity with modulating compressors. Our Chapter appreciates the insight Brian provided during his presentation. Thank you Brian for visiting our Cleveland ASHRAE Chapter.

ASHRAE RESEARCH PROMOTION

Thank you to everyone who made the Honor Roll donations in
April 2008!

(Donations of \$100 or more)
Belimo Aircontrols (USA)





HELP WANTED...



ASHRAE SCHOLARSHIP APPLICATIONS

Please forward any scholarship applications to Ken Borah

WANTED

Creative self-starter willing to make a committee their own. Must also have a strong desire to get involved and help out local ASHRAE chapter as much as they can. TEGA needs someone to do something now!

The bar couldn't be set any lower. Please TEGA needs you! E-mail Matt Nelson (mnelson@brewer-garrett.com) for more information.

WANTED

Any self-proclaimed cyber-jockey with enough cache to handle helping out the Webmaster of our own clevelandashrae.org website. No contact information will be given, because if you can contact me you either know me or know enough to be a big help. By the way, the time commitment for this starts around 5 mins/month. Good luck.



ASHRAE MEMBERSHIP PROMOTION GOLF OUTING

INFO/DIRECTIONS



Wednesday, June 4, 2008
SUGAR BUSH GOLF CLUB

9:00am	Registration Begins
10:00am	Shotgun Start
3:30pm	Cocktails
4:00pm	Steak Dinner/Prizes

Lunch will be provided at your turn
between holes 9 & 10, or 18 & 1

New members golf & dine for free with completed application & full payment of membership dues. Non-members are welcome.

We are playing for the prestigious **GARDINER TROPHY**
TOURNAMENT GOLF WILL BE PLAYED • Limited to 120 golfers

Sugar Bush Golf Club

11186 SR 88 · Garrettsville, OH 44231

330.527.4202

How to get there...

Directions from Akron:

Take I-76E to SR 5/44
north to Ravenna.
Take 14W/44N.
Take right at second traffic light (which is SR 88N).
Travel on SR 88N for about 15 miles.
Golf course will be on the right hand side.

Directions from Cleveland:

Take 480E/271 Interchange to
422E towards Solon.
Travel 422E until Mumford Rd.
Turn right onto Mumford Rd.
Continue on Mumford until it
dead-ends into SR 88S.
Turn right onto SR 88S.
Travel 1.5 miles and the golf course
will be on the left hand side.

Please see maps on following page...

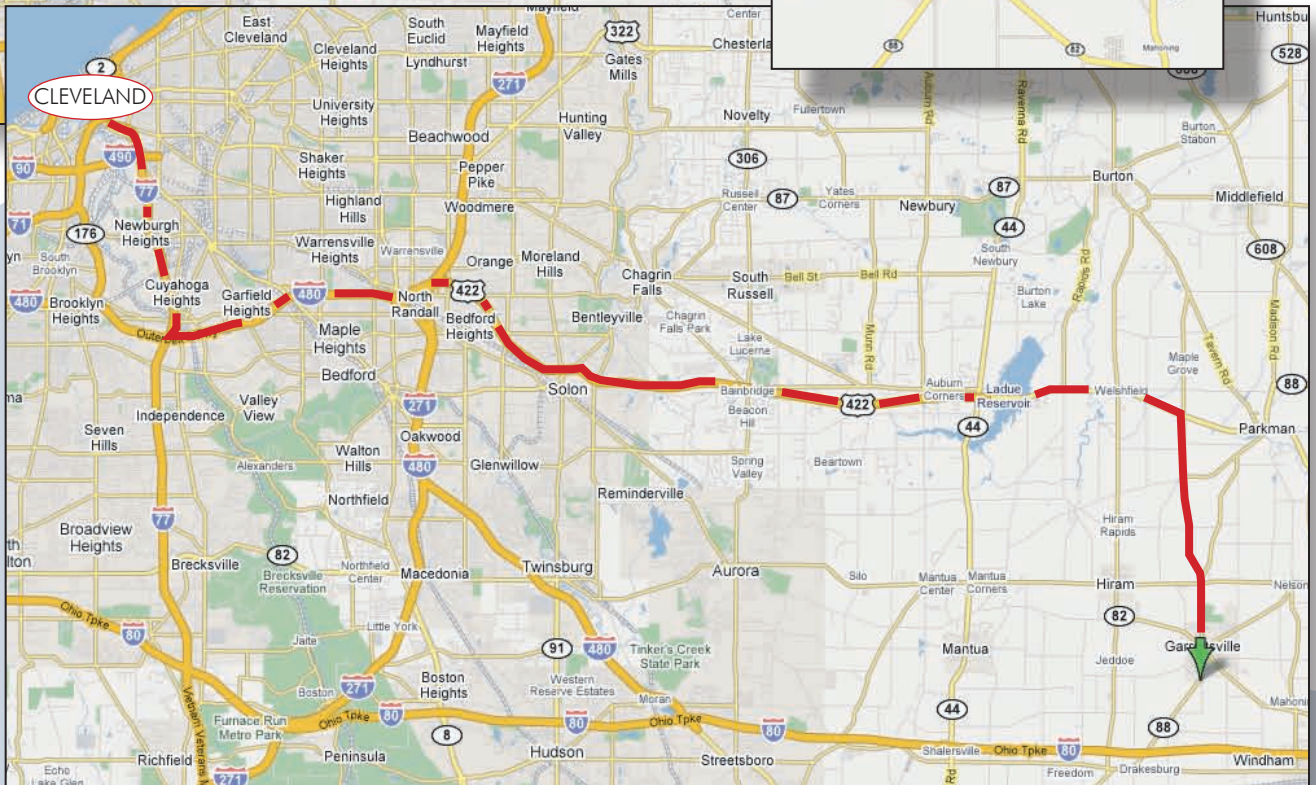
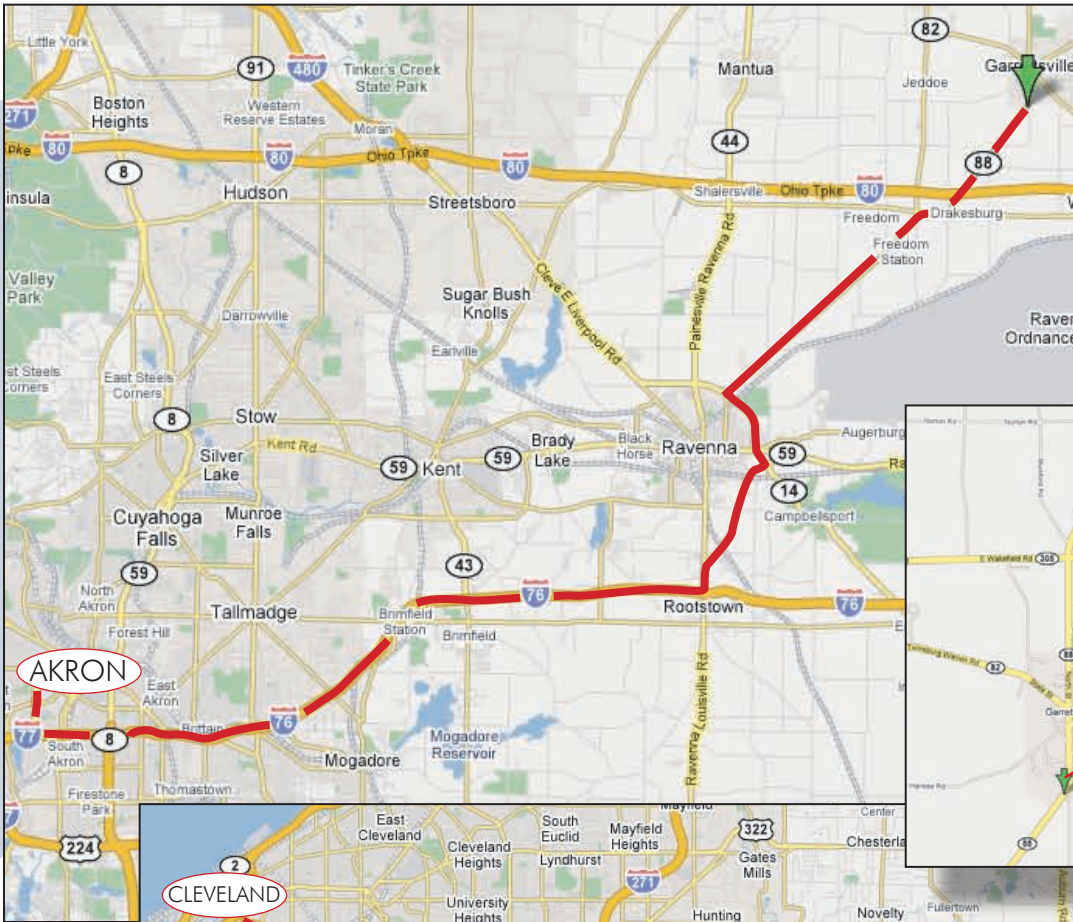
This event proudly supports the scholarship fund so graciously started by Mr. Sal Triana

Thanks to all, in advance, for your continued support of ASHRAE Cleveland



ASHRAE MEMBERSHIP PROMOTION GOLF OUTING

MAPS



ASHRAE MEMBERSHIP PROMOTION GOLF OUTING

WEDNESDAY, JUNE 4, 2008

SUGAR BUSH GOLF CLUB

	<u>Name</u>	<u>Company</u>	<u>Member</u> y/n
Team Captain (Sponsor)	_____	_____	_____
Player No. 2	_____	_____	_____
Player No. 3	_____	_____	_____
Player No. 4	_____	_____	_____

for each additional foursome please complete an additional registration

Golf & Dinner _____ x \$80 / person = _____

Dinner Only _____ x \$25 / person = _____

Sponsor a Hole _____ x \$75 / hole sign = _____

(All signs will be provided by the Cleveland Chapter)

Name on Sign _____

Beverage Donation = _____

Donation to the Sal Traina Scholarship Fund = _____

Advanced 50/50 Raffle Tickets (7 for \$5) _____ x \$5 = _____
(tickets will be 5 for \$5 on the day of event) (7 tickets)

TOTAL = _____

Make Checks Payable To: CLEVELAND ASHRAE CHAPTER

Mail Payment To: CLEVELAND ASHRAE GOLF OUTING
c/o Karpinski Engineering
Attn: Matt Morgan
3135 Euclid avenue
Cleveland, Ohio 44115

If you bring a non-member and they join the Society and the Cleveland chapter of ASHRAE that day, then that individual's golf and dinner is free. A completed application and a check for \$225.00 (made payable to ASHRAE) must be received on or by the day of the event.



CHAPTER CALENDAR



September 17, 2007

OSFC Update

Location: [Harry's Steakhouse](#)

October 15, 2007

ASHRAE Handbook Chapter: Psychrometrics

Location: [Harry's Steakhouse](#)

November 19, 2007

Insulating in Below Ambient Conditions

Location: [Harry's Steakhouse](#)

December 2007

NO MEETING

January 17, 2008 (Lunch Meeting) 12:00PM

LEED Insights and Information
for Every ASHRAE Engineer

Location: [Sheraton Hotel](#)

February 18, 2008

Evaporative Cooling:

Opportunities and Misconceptions

Location: [Harry's Steakhouse](#)

March 17, 2008

Equipment & Design Considerations Associated with
Thermal Energy Storage Using Ice

Location: [Harry's Steakhouse](#)

April 16, 2008

ASHRAE Satellite Broadcast/Webcast

April 21, 2008

Dehumidification In Commercial Buildings

Location: [Harry's Steakhouse](#)

May 19, 2008

The Black Hole in System Efficiency

Location: [Harry's Steakhouse](#)

June 4, 2008

Membership Promotion Golf Outing

[Sugar Bush Golf Club](#)

August 2008

Research Promotion Golf Outing

