



CLEVELAND ASHRAE NEWSLETTER

March 2009



MARCH MEETING

Maintain to Sustain - Delivering ASHRAE's Sustainability Promise

March 16, 2009

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

Speaker: William Harrison, ASHRAE Society President

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

R.S.V.P. @ (216) 373-0315 by 12:00 Noon on Friday, March 13th for Reservations.
Please state if you need a CPD Certificate. Dress Attire is Business Casual.

On Monday, March 16th we are very fortunate to have the current ASHRAE President Mr. William Harrison visiting our chapter. President Harrison will be delivering his Presidential message of "Maintain to Sustain – Delivering ASHRAE's Sustainability Promise." He will focus on operating buildings to deliver the energy efficiency inherent in their design, including effective commissioning, improved documentation, and programs to educate and certify building operators. Bill has previously stated, "If the studies are accurate, we have a no-regrets method to reduce energy use in buildings by 10 to 40 percent, solely by improving building operations," "All we have to do is communicate and educate more effectively. It is our duty. We are pledged to deliver ASHRAE's promise of sustainability, and to do that we must maintain to sustain, we must train to sustain, and we must influence the operation of our buildings to conserve energy." ***Please make your reservation early because a large crowd is anticipated.***

This Month's Sponsor



NORTHRICH COMPANY
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Cleveland, OH 44108
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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 MATT NELSON



March 6, 2009

Hello fellow members, word on the street is that the weather will soon be warming up. Okay, to be honest, I was fed that "warming up" line from a guy on E. 9th with a nametag that read A. G., and I am pretty sure that Cleveland got left out of the recent government weather stimulus package. Wow, note to self: Never write the president's message after taking a double dose of NyQuil.

Back on topic, we had an excellent turn out at the last of our winter lunch meetings in February. Many thanks to our ASHRAE distinguished lecturer Dr. Merle McBride for his insider's look at the Advanced Energy Design Guidelines. I think it gave many of us perspective on the way ASHRAE society operates and where they are taking the organization in the future.

I am very excited about this month's speaker, society President Bill Harrison. This should be a record for our chapter, two society presidents in the same year! I remember first talking to the then President-Elect Harrison at a CRC back in 2007.

Then earlier this year we played the waiting game when we tried to get on his schedule. Finally, after four or five months, we heard the news that he was coming our way. Steak is on order for the dinner, of course, and we would encourage you to bring guests (owners, architects, etc), unfortunately we cannot give steak away. That would break some kind of steak law, I believe. Could I get a ruling on that Judge Borah?

I'll see Y'ALL at the meeting.

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Golf Outing

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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

William Harrison is President, Trane Arkansas, Little Rock, Arkansas and is currently serving as the ASHRAE Society President. As ASHRAE's president, Harrison directs the Society's Board of Directors and oversees the Executive Committee. He also is chair of the Headquarters Building Renovation Committee. He has served as president-elect, treasurer, vice president, Region VIII director and regional chair, chair of Member Council, Technology Council and the Finance Committee, a member of the Nominating Committee, and vice chair of the Refrigeration Committee and the Society Rules Committee. Harrison was president of the Shreveport Chapter. He has received the Distinguished Service Award. Harrison received a Bachelor of Science in industrial engineering from the University of Arkansas.



FEBRUARY MEETING RECAP

Our February 18th, 2009 lunch meeting drew close to 80 attendees to hear Dr. Merle McBride discuss the ASHRAE Advanced Energy Design Guides (AEDG), with a focus on K-12 schools. Dr. McBride is an ASHRAE Distinguished Lecturer and has been instrumental in the development and release of all the AEDG. The Guides began development in 2003-04 and were driven by concerns of global energy use, increases in energy prices and environmental issues. Dr. McBride reminded the audience that the United States is responsible for 25% of the World's energy use and 39% of the U.S. energy use is attributed to buildings.

After architect Edward Mazria proposed the 2030 Challenge of "Net-Zero energy buildings by the year 2030," ASHRAE directed the AEDG on a path of providing Net-zero energy buildings by 2022. The AEDG are intended to be a balanced approach in all areas of a building system including such areas as lighting, the building envelope, HVAC, service hot water, plug loads and operating schedules. The current goal of the AEDG is to provide 30% energy savings when compared to ASHRAE 90.1-1999. The AEDG reviewed eight climate zones across the U.S. and for modeling purposes selected fifteen representative locations. For the K-12

facilities, six suggested systems were created via an HVAC Report Card. The AEDG do not provide one solution, but rather suggestions and guidelines of how to accomplish the 30% savings. Since their release nearly 160,000 copies of the AEDG have been distributed, including one K-12 AEDG to EACH school district in the U.S! Thank you Dr. McBride for visiting our Cleveland ASHRAE Chapter.

ASHRAE Scholarship Application

If you know of someone who is actively attending college to earn a mechanical or architectural engineering degree at a Northeast Ohio University or out of the area but is from the Northeast Ohio area, please point them in a direction of a Sal Triana Scholarship possibility. The intent of this scholarship is to help those engineering students seeking to someday make a career in the HVAC consulting/engineering/sales businesses get through the financial struggles of a higher education.

Applications can be found on the Cleveland ASHRAE Website and e-mailed to kborah@karpinskieng.com. If you have any questions please feel free to contact Ken Borah at **216-391-3700**.

Interested in today's hot topics? Want to earn an easy 3 PDH credits?

Then sign up for ASHRAE's International Satellite Broadcast/Webcast
Wednesday April 22nd.

Hear from leaders in the IAQ/Sustainable building field. Meet other interested professionals in Cleveland.
Held at Karpinski Engineering's newly renovated multi-media conference room.

Conveniently located at:
3135 Euclid Avenue
Cleveland, Ohio 44115

Lunch provided at Noon.

Webcast/Q & A 1-4pm

RSVP to Doug Barnes: dbarnes@karpinskieng.com

April 22, 2009 1:00-4:00 p.m. edt



Using the guidance provided by the IAQ Guide: Best Practices for Design, Construction, and Commissioning developed through collaboration with ASHRAE, AIA, BOMA, EPA, SMACNA and USGBC, this broadcast will challenge the building community to use enhanced IAQ practices to create a more sustainable built environment. Join ASHRAE in learning more about your role in transforming mid-range practice into best practice for healthy, productive, sustainable indoor environments.

This free broadcast/webcast is sponsored by the ASHRAE Chapter Technology Transfer Committee with support from the United States Environmental Protection Agency. For complete details, visit our website at www.ashrae.org/ibdbroadcast.

PDH Credits

Three (3) Professional Development Hours or three (3) AIA Learning Units may be awarded to viewers who complete the "Participant Reaction Form" following the broadcast.

About the Presenters

- Martha Hewett, Director of Research, Center for Energy & Environment, Minneapolis, MN
"Practical, Proven Strategies to Deliver Better IAQ"
- Hoy Bohanon, P.E., Owner and Manager of Bohanon Engineering, PLLC, Winston-Salem, NC
"Improving Your IAQ and Reducing Your Energy Costs through HVAC Design"
- H.E. Barney Burroughs, Owner and CEO of Building Wellness Consultancy, Inc, Atlanta, GA
"Keeping Buildings Clean: Avoiding and Building Control of Contaminants to Attain and Maintain IAQ Acceptability"
- George DuBose, Certified General Contractor, Liberty Building Forensics Group, Orlando, FL
"Avoiding Costly IAQ Problems in the Building Envelope"
- John McFarland, P.E., Director of Engineered Systems, WorkingBuildings, LLC, Atlanta, GA,
"Integrating Good IAQ into the Design & Construction Process"



ASHRAE RESEARCH PROMOTION



Who are ASHRAE Research Promotion Donors?

In one word I'd say Leaders. We know we can't just wait for someone to "figure it out", that's not the way it works in our industry. Our timelines are short, the client's expectations are high, and budgets are tight, and on top of this, building codes and LEED requirements are always changing. So, I figure that ASHRAE has provided the "leaders" with the mechanism to sustain our industry in many ways; integrity, expertise, financial, and community awareness just to name a few.

Last month's speaker, Mr. Merle McBride spoke on the ASHRAE Advanced Energy Design Guidelines (AEDG). Please take a look at the results of RP in the available publications online at:

ASHRAE Publications Store

For specific projects, or if your firm or University would like to participate in Research, go to: <http://www.ashrae.org/publications/page/1305>

Thank you for your continued support.

Honor Roll Donors (Corporate, \$150 or more)

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For more detail & information go to the Research Promotion Quicklink!

ASHRAE Research Promotion Chair for the Cleveland Chapter

Dominic Cacolici, P.E.



CHAPTER CALENDAR



September 15, 2008

Evolution of VAV Systems

Location: [Harry's Steakhouse](#)

October 20, 2008

Control Systems

Location: [Harry's Steakhouse](#)

November 19, 2008

CEUniversity (Bus. of Eng. & Applied Eng)

Location: [Corporate College East](#)

December 2008

ASHRAE Social

Wednesday, January 21, 2009

Lunch Meeting:

The Past, Present and Future Training
of Young Engineers

Location: [Sheraton Hotel](#)

Wednesday, February 18, 2009

Lunch Meeting: AEDG K-12

Location: [Sheraton Hotel](#)

March 16, 2009

ASHRAE President, Mr. Bill Harrison

Location: [Harry's Steakhouse](#)

April 20, 2009

Green Done Easy for LEED

Location: [Harry's Steakhouse](#)

May 18, 2009

ASHRAE Learning

Location: [Harry's Steakhouse](#)

June 2009

Membership Promotion Golf Outing

