



CLEVELAND ASHRAE NEWSLETTER

FEBRUARY 2007



FEBRUARY MEETING

ASHRAE Standard 62 IAQ Procedure

February 19, 2007

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

Speaker: Pete Johnson
Location: Quality Inn & Suites
4742 Brecksville Road
Richfield, OH 44286

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

Pete Johnson is Senior Sales Executive with SIEMENS Building Technologies. Pete served as ASHRAE President for the Akron Chapter from 2002 to 2004. He will be discussing the design options, savings opportunities and space conditions when applying reduced outdoor air to meet the ASHRAE 62 Indoor Air Quality procedure for any commercial project.

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If you are interested in sponsoring the newsletter, please contact Matt Nelson at 440-243-3535.



THE PRESIDENT'S CORNER

BY KEN BORAH



February 5, 2007

I trust everyone is making it through the cold spell that winter has finally brought us.

It is days like these that we emphasize the "H" in ASHRAE. This cold snap should give us a new outlook on global warming.

We have plenty of local events to keep us warm. The February meeting is upon us and it is a joint event with a friendly neighbor, The Akron Chapter. Pete Johnson is profiling a 2006 ASHRAE Technology Award winner – Brunswick Performing Arts Center. The venue (Richfield Quality Inn) will give us a look at the location where the NEO Expo will be held in March. I look forward to seeing everyone at both events.

Lastly, ASHRAE is committed to bolstering the ranks of our HVAC engineering community by seeding ASHRAE Student chapters at local colleges, providing scholarships for current undergraduate students,

supporting several events during Engineer's Week and providing mass amounts of technical data to local libraries and schools. If you know of anyone who can benefit from the many helpful ways of ASHRAE, please let me or one of the current Board Members know. We today, are only as good as the people we get involved for tomorrow.

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2006-2007

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Engineer's Week James G. MacMillan

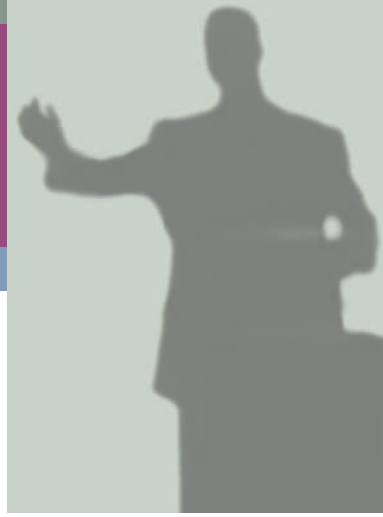
Special Events (December Social) Mike Denk

Budget & IRS Compliance Fred H. Hollman

Sunshine Fund James W. Wickert



SPEAKER BRIEF



Pete Johnson is Senior Sales Executive with SIEMENS Building Technologies. Pete has 20 years in HVAC sales & service in NE Ohio and was ASHRAE past President for the Akron Chapter from 2002 to 2004. He is the winner of a 2006 ASHRAE Technology Award for the Brunswick School Auditorium project. An article on this project's IAQ was published in the ASHRAE Journal, May 2006, pp 54-58, "School HVAC Series, Standard 62 IAQ Procedure on Reduced Outdoor Air for Auditorium". Join us to hear about design options, savings opportunities and space conditions when applying reduced outdoor air to meet the 62 IAQ procedure to any commercial project. Pete will contrast some of the new technology available now that can be considered in designs for reduced OA and improved IAQ.

JANUARY

MEETING RECAP

We had a great start for 2007 at our January 15th meeting with 72 attendees! We also issued over 40 Professional Development Certificates. Our speaker was Dr. Birol Kilgis, an ASHRAE Distinguished Lecturer and an ASHRAE Fellow. Dr. Kilgis presented "Hybrid HVAC Systems: Can they be the Future?" A hybrid system combines forced-air HVAC with radiant panel systems for optimum cost, comfort and control.

Dr. Kilgis presented technical theory, the exergy concept and provided an example of a hybrid composite wall. A hybrid wall is capable of providing both convective and radiant energy...perhaps a product of the future? Exergy recognizes the quality of an energy source. It is a measure of the quality, diversity, and the usefulness of the maximum work potential of an energy source relative to an equilibrium state in the environment. This concept has been in existence for many years, but it is not often considered. To increase the awareness and importance of exergy, Dr. Kilgis recently petitioned ASHRAE and has been involved with the formation of an ASHRAE Task Group: "TG1.Exergy Analysis for Sustainable Buildings." It is believed by some that truly sustainable building practices must increase the use of hybrid systems, systems that integrate radiant and convective heat transfer modes.

Dr. Kilgis, a mechanical engineering professor for over 20 years, has been devoted to ASHRAE and the HVAC industry throughout his career. Our Cleveland Chapter was fortunate to have Dr. Kilgis visit with us; we appreciated his knowledge and wish him continued success.

ASHRAE WANTS YOU!

Time:
March 21st
(2 P.M. - 6 P.M.)

Place:
Quality Inn
in Richfield
on Route 21



Activities:
HVAC Equipment Displays
Hors D'Oeuvres
Cash Bar

PDH Topics:
Boilers
AMCA Update
BAS Integration & Hospitals
More TBA...

AT THE NEO EXPO

Dear ASHRAE Members:

On March 21st, we are having our 1st Engineering and Tech Expo. The Expo is open to anyone interested in attending. There will be no admission charge. Every one hour education session attended will earn you one PDH credit. These sessions are an easy way to meet the Ohio PDH requirements for Professional Engineers. While there, you also have the opportunity to see the latest products of our industry and your fellow ASHRAE members. We look forward to your attendance at the Expo.

Sincerely,
Andrew Tenhundfeld
Expo Coordinator

New Products

Come and see the latest products of our industry before this chance passes you by. You will not want to miss this great opportunity to see what technology is available and how it can improve the quality of HVAC throughout the northeast Ohio area and beyond.

Education

New legislation will "require each Ohio P.E. to obtain 15 professional development hours (PDH) beginning in 2007 in order to renew registration for 2008 and subsequent years."

- Ohio PE Newsletter

The NEO Expo will have at least three seminars throughout the day. Each seminar attended is worth one PDH credit. Topics will include: Boilers, AMCA Update, and BAS Integration & Hospitals.

Opportunities to Network

As with every local ASHRAE event, the opportunity to meet new and old friends/colleagues will be there. So come have some Hors D'Oeuvres, buy a fellow ASHRAE member a drink and enjoy Northeast Ohio's first NEO Expo.



NEO VENDORS



These are the confirmed exhibitors as of the end of January:

Johnson Controls
Air Control Products
Preferred Piping Systems
PM Equipment
Eierdam and Associates
The Mark Elliott Company
Carrier Corporation
The Craun Liebing Co.
Mussun Sales Inc
Northrich Company
Wadsworth Slawson
DB Johnson Company
Jacco and Associates
Pier Associates
Jackson & Sons
Siemens Building Tech
Mastroianni and Associates
Reid Industrial Sales
Ketchum and Walton
Story Equipment
RL Deppmann



IN THE NEWS...



Announcing the 2007 Satellite Broadcast: Indoor Environmental Design

It's time once again folks to look ahead in our calendars to block out some time to attend a great discussion put on by the best ASHRAE society has to offer. Here's a description right from society's pages:

"This free broadcast will present specific solutions to the everyday challenges of achieving indoor environmental quality within real-world budget constraints. Speakers will describe how you can provide ventilation air that helps protect the building from mold risk, how to avoid the three most common mistakes in ventilation system design and operation, how to achieve all three goals of IAQ, thermal comfort and noise control at lower cost through better air distribution decisions, and how to provide comprehensive filtration without breaking your budget."

Thankfully again we have the great pleasure of hosting this free event at WKYC TV-3, with lunch provided by the local chapter. Reservations are required and space will limit attendance, so call Matt Nelson at 440-243-3535 now to insure your spot. Also, as in the past, we are extending an open invitation if this topic should interest someone you know, find out if they can attend and check with me to make sure that there is availability and to get them on the list. Last but not least, this is a three hour course that would qualify for three continuing professional development (CPD) hours. Hope to hear from you soon.

Special Thanks To:

Mussun Sales, Inc.

For the largest single donation for research and development given to the Cleveland ASHRAE Chapter (\$1500)



CHAPTER CALENDAR



March 21, 2007
NEO Expo
Location: Quality Inn in Richfield

April 16, 2007
ASHRAE Structure
Location: Harry's Steakhouse

April 18, 2007
ASHRAE Satellite Broadcast
Indoor Environmental Design
Location: WKYC TV-3 (Reservation Required)

May 21, 2007
ASHRAE Jeopardy
Location: Harry's Steakhouse

June 2007
ASHRAE Golf Outing

