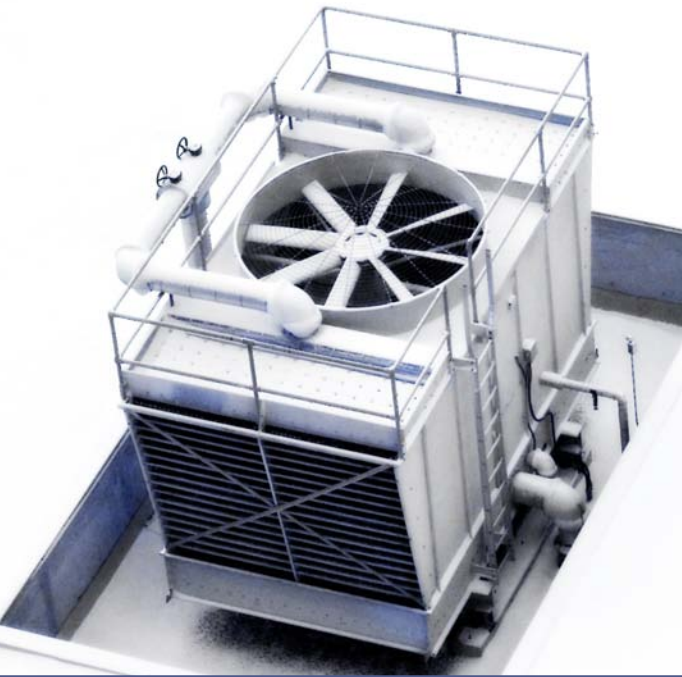


CLEVELAND ASHRAE NEWSLETTER

February 2008



FEBRUARY MEETING

Evaporative Cooling: Opportunities and Misconceptions

February 18, 2008

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

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

R.S.V.P. @ (216) 373-0315 by 12:00 Noon on Friday, February 15th for Reservations.
Please state if you need a CPD Certificate. Dress Attire is Business Casual.

Mr. Dick LeClaire will be joining us on Monday, February 18th, 2008 to present: "Evaporative Cooling – Opportunities and Misconceptions." Using his extensive 30+ year background in cooling towers, Mr. LeClaire will be discussing water-cooled systems and their integration with LEED Certification. He will also address the challenges seen by designers regarding questions dealing with documentation, energy efficiency, recycled content, transportation distance and selection of materials. Qualifying for LEED credits will also be discussed. We look forward to Mr. LeClaire's insights!

This Month's Sponsor



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please contact Matt Morgan at 216-391-3700.



THE PRESIDENT'S CORNER

BY KEN WISSNER



If you don't like the weather wait five minutes.... Apparently, winter is here (with vengeance) and depending on where you've been, you may have noticed that we recently experienced a temperature swing of nearly 50° in less than 48 hours. Unfortunately, it was in the wrong direction.



The February meeting is upon us and lucky for us, it's indoors! In case you didn't make it to the January meeting, Mr. Jim MacMillan brought his insights and developments as related to LEED rating system and LEED for Healthcare. The meeting was very well attended and based on the response, we'll be scheduling more lunch meetings in the future.

Also, in case you didn't know it, we're trying to get on the map. ASHRAE Cleveland Chapter led by Mr. ASHRAE; Dennis Wessel is mounting an effort to land the 2012 ASHRAE summer meeting in Cleveland, Ohio and from what I hear, Dennis has gotten their attention! It may seem a way off, but before you know it, 2012 will be here. If you have any interest supporting the effort, feel free to contact any Chapter Board member.

Apparently the AHR Expo in New York was big hit this year and based on the attendance, there were a record number of visitors who attended, nearly 40,000! If you were one of the attendees, I expect that you enjoyed yourself. No doubt you found plenty to do and see.

I look forward to seeing you Monday and as a reminder, if you haven't already, be sure to make your reservation for the meeting and bring a friend this month as we're sure you won't be disappointed.

God bless our servicemen and keep them in your prayers.

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Dominic Cacolici

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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

It is our pleasure to be having Mr. Dick LeClaire, of SPX Cooling Technologies, as our featured presenter. For over 35 years, Mr. LeClaire has “lived” cooling towers from the perspective of engineering, field service, inside and outside sales, product development, marketing, training and several management roles. He has heard the “voice of the customer” and is currently involved with product training for representatives and customers. Mr. LeClaire has supported ASHRAE as Chairman of TC 8.6 (Technical Committee on Cooling Towers and Evaporative Condensers), and managed negotiations of the cooling tower efficiencies standards for ASHRAE Standard 90.1. Dick is a Kansas University Graduate, and a season ticket holder to Jayhawks basketball and football. (It is a sure bet that the current #4 ranking of the Jayhawks Men’s Basketball team has kept Mr. LeClaire in good spirits!)

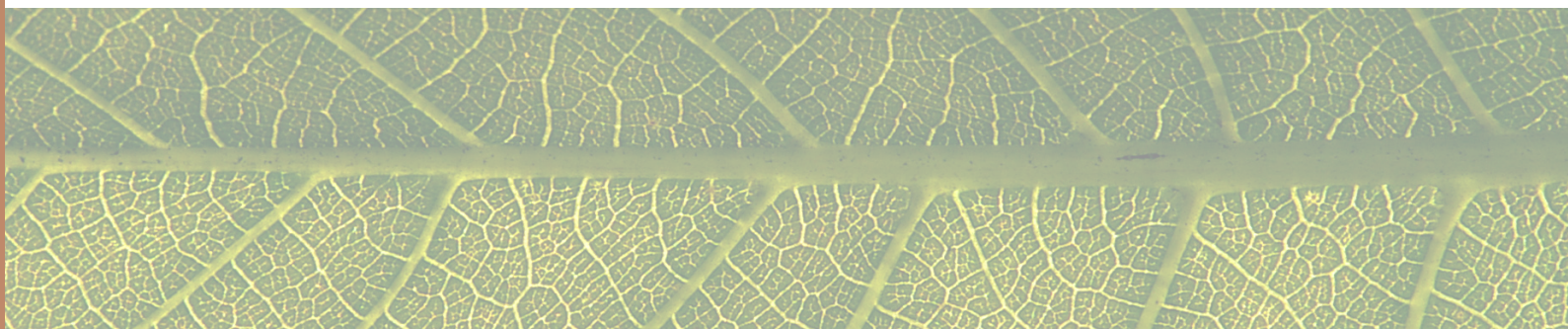


JANUARY MEETING RECAP

Our January 17th, 2008 Lunch Meeting brought in over 80 attendees...and Jim MacMillan of Karpinski Engineering was responsible for LEEDing the way! Jim was very gracious to volunteer his time to present “LEED Insights and Information for Every ASHRAE Engineer.” Even though each of us in the HVAC Industry have been involved with LEED during the previous few years, Jim discussed new statistics and upcoming changes involving LEED.

Major players in the construction industry such as OSFC, GSA and local foundations have endorsed LEED and over 20 major US cities have implemented LEED as part of their building construction protocol. In Ohio alone, we have 175 LEED registered projects and throughout the US there are over 9000 projects. There are currently eight LEED rating systems available for use and another three are under review. Examples of these systems include LEED for New Buildings, LEED for Existing Buildings, LEED for HealthCare (still under review) and LEED for Schools (being adopted by OSFC in Spring of 2008). The largest impact for LEED may be in existing buildings, as over 90% of all building construction dollars spent are for existing buildings.

Regardless of which system a project may be using, the success of LEED is highly dependent on the cooperation of the entire team. Quite often a dedicated person, with a “bulldog” mentality, must be used to monitor implementation, gather data and to keep everyone on track. The team must also have an inner, self-driven desire for LEED compliance; a vision beyond the dollars associated with LEED must be present. Thank You Jim for taking the time to present to our Cleveland ASHRAE Chapter. We appreciate your dedication.





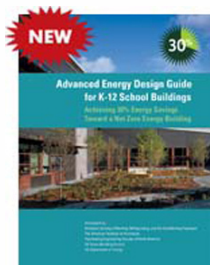
IN THE NEWS...



Advanced Energy Design Guides Free Download

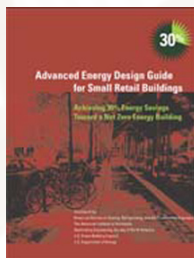
The Advanced Energy Design Guide series provides a sensible approach to easily achieve advanced levels of energy savings without having to resort to detailed calculations or analysis. The four-color guides offer contractors and designers the tools, including recommendations for practical products and off-the-shelf technology, needed for achieving a 30% energy savings compared to buildings that meet the minimum requirements of ANSI/ASHRAE/IESNA Standard 90.1-1999. The energy savings target of 30% is the first step in the process toward achieving a net-zero energy building, which is defined as a building that, on an annual basis, draws from outside resources equal or less energy than it provides using on-site renewable energy sources.

These guides have been developed through the collaboration of ASHRAE, the American Institute of Architects (AIA), the Illuminating Engineering Society of North America (IESNA), and the U.S. Green Building Council (USGBC), with support from the Department of Energy (DOE), to help meet all of an owner's energy performance requirements. In an effort to promote building energy efficiency, ASHRAE and its partners have made these guides available for download (PDF) at no charge.



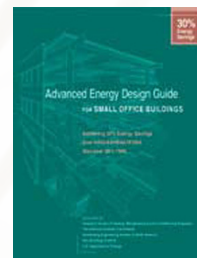
K-12 School Buildings

For elementary, middle, and high school buildings, which have a wide variety of heating and air-conditioning requirements. Options for daylighting, an important component in schools, are included. I-P units.



Small Retail Buildings

For retail buildings up to 20,000 ft², the bulk of retail space in the U.S. Addresses typical uses: retail (other than shopping malls); strip shopping centers; automobile dealers; building material, garden supply, and hardware stores; department stores; drugstores; equipment and home furnishing stores; liquor stores; and wholesale goods (except food). I-P units.



Small Office Buildings

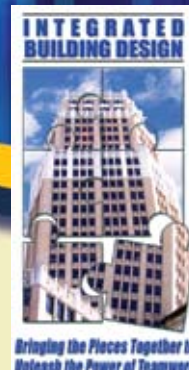
For office buildings up to 20,000 ft² the bulk of office space in the U.S.; and provides benefits and savings for the building owner while maintaining quality and functionality of the office space. Awards: USGBC 2005 Leadership Award; Stars of Energy Efficiency Award, Honorable Mention (Alliance to Save Energy); and Best Sustainable Practice Award, Honorable Mention (SBIC). I-P units.

[Click here to begin your free download!](#)

ASHRAE Satellite Broadcast/Webcast



April 16, 2008
1:00–4:00 P.M. EDT



INTEGRATED BUILDING DESIGN: Bringing the Pieces Together to Unleash the Power of Teamwork

This broadcast explains what you and other members of the building team must do to advance high-performance buildings with improved design, construction and operations processes. Buildings that meet the needs of occupants and truly achieve sustainability objectives can only be created if the building community shares its knowledge and experiences. Join ASHRAE in learning more about your role in integrated building design and helping to create a sustainable built environment.

This free program is sponsored by ASHRAE's Chapter Technology Transfer Committee. For complete details, visit our website at www.ashrae.org/ibdbroadcast.

How to Participate

- You may host a broadcast site for your colleagues.
- You may register to view with others at a site near you.
- You may register to view the Webcast on your PC.

PDH Credits

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

On April 16th from 1-4pm at WKYC-TV the local ASHRAE chapter will host this ASHRAE Satellite Broadcast.

*For reservations e-mail Matt Nelson at:
mnelson@brewer-garrett.com*

About the Presenters

Kent Peterson, ASHRAE's 2007-2008 president, will introduce the broadcast program

- Walter Grondzik, Architectural Engineer and Professor in the Department of Architecture, Ball State University, Muncie, Indiana—"What is Integrated Building Design?"
- Charles Gullledge III, P.E., MAI, CSI, ASHRAE Distinguished Lecturer, Senior Mechanical Engineer, AC Corporation, Greensboro, North Carolina, "The Integrated Design Process"
- Drury B. Crawley, Technology Development Manager, U.S. Department of Energy, Washington, DC—"Achieving Net-Zero Energy Buildings Through Integrated Building Design?"
- Paul Torcellini, Team Leader for Commercial Buildings Research, National Renewable Energy Laboratory, Golden, Colorado—"Bringing the Pieces Together—Actual Applications"

New Member Discount

Non-member participants will be given a \$50 discount for applying for ASHRAE membership. A special membership application will be available at satellite broadcast sites or by request at membership@ashrae.org.

Registration

Online registration for satellite site coordinators and Webcast viewers will begin March 1, 2008, at www.ashrae.org/ibdbroadcast. Satellite viewer registration will begin March 15, 2008. There is no fee for registration. If you have any questions, call 678-539-1139 or email ashrae-satellitebroadcast@ashrae.org.



ASHRAE RESEARCH PROMOTION

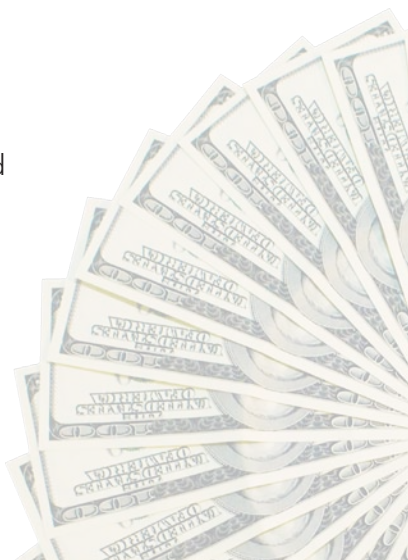
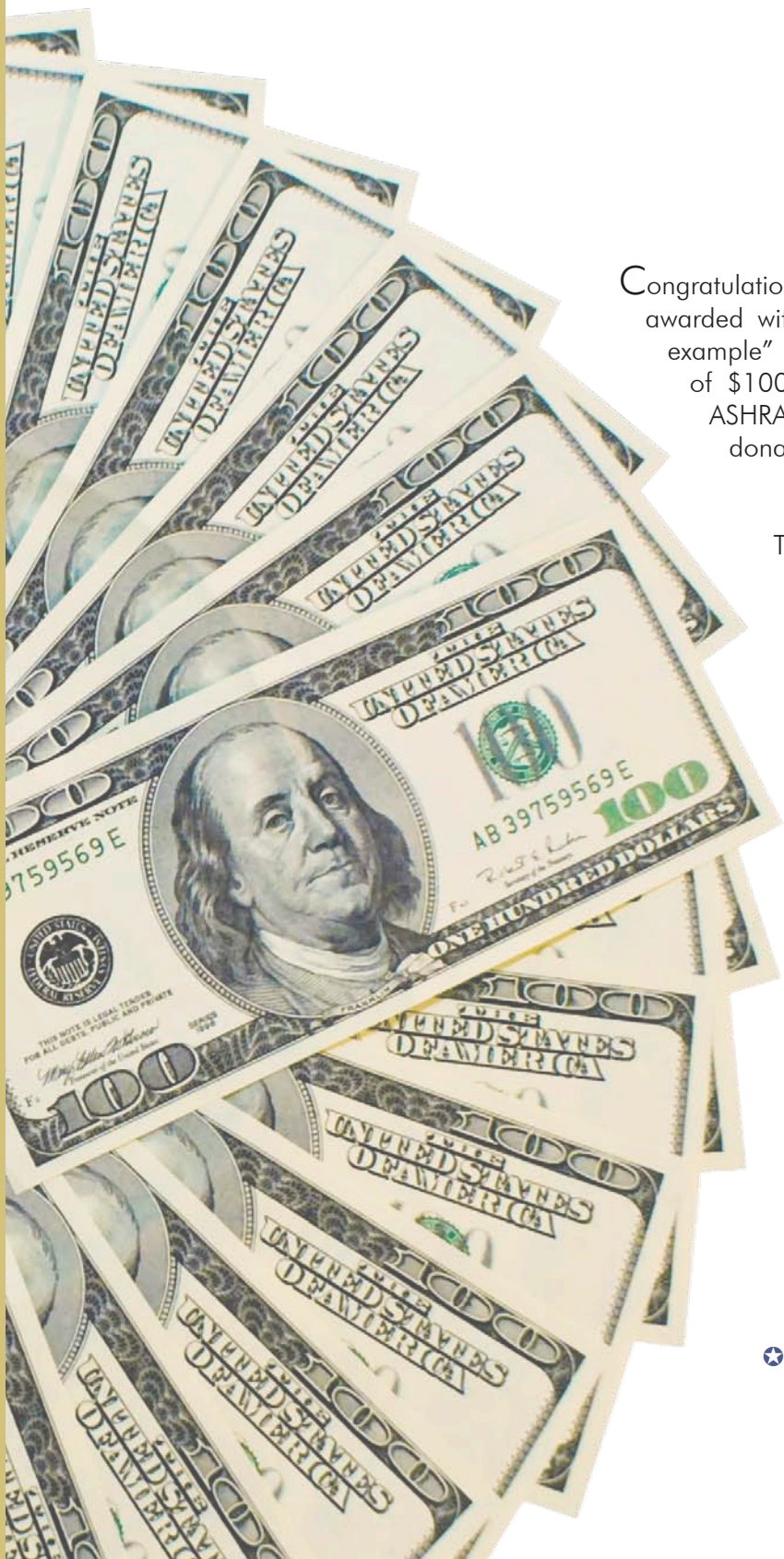


Congratulations to the Cleveland Chapter Officers for being awarded with Full Circle this year! Full Circle is a "lead by example" campaign. Each officer made a minimum donation of \$100 to show that we are fully committed to support ASHRAE RESEARCH before we ask the chapter members for donations.

Thank you to everyone who made the Honor Roll donations from November 2007 to January 2008!

(Donations of \$100 or more)

- ★ Kenneth Borah
- ★ David Fulton
- ★ Mike Greene
- ★ Fred Hollmann
- ★ Robert Laneve
- ★ Brian McFearn
- ★ David Nachman
- ★ Matt Nelson
- ★ Andrew Tenhundfeld
- ★ Ronald Weese
- ★ Ken Wissner
- ★ Mussun Sales





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

Ice Storage

Location: [Harry's Steakhouse](#)

April 21, 2008

Dehumidification In Commercial Buildings

Location: [Harry's Steakhouse](#)

May 19, 2008

Fan Technology & Operation Schemes

Location: [Harry's Steakhouse](#)

June 2008

Membership Promotion Golf Outing

August 2008

Research Promotion Golf Outing