



# CLEVELAND ASHRAE NEWSLETTER

March 2012



## MARCH MEETING

### *Hazardous Gas Sensing Technologies*

March 21, 2012

Speaker: Scott Bissett

Times: 11:30am - 11:50am Sign-In  
11:50am - 12:20pm Lunch  
12:20pm - 1:00pm Presentation

Location: Crowne Plaza  
5300 Rockside Road  
Independence, OH 44131

R.S.V.P. via your Constant Contact invitation.  
Guests are welcome for a \$25 meal charge.

At our Wednesday, March 21st meeting we welcome Mr. Scott Bissett of Armstrong Monitoring Corporation. Scott will be presenting: "Hazardous Gas Sensing Technologies." During his presentation he will be discussing available sensor technologies and their correct application. Mr. Bissett will include design guidelines for hazardous gases such as carbon monoxide, nitrogen dioxide, ammonia, refrigerants and combustible gases. Mr. Bissett visits our Cleveland Chapter after presenting to the Columbus ASHRAE Chapter on Monday, March 19th!

## This Month's Sponsor

If you are interested in sponsoring the newsletter,  
please contact James Dudt at 216-391-3700.

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# THE PRESIDENT'S CORNER

BY SHAWN BERES



## OFFICERS & COMMITTEE CHAIRMEN

Our January meeting was our Research Donor Recognition day that gave the Research Chair, the board members of ASHRAE Cleveland Chapter, and ASHRAE an opportunity to express gratitude towards the generosity of our members. What makes ASHRAE Cleveland Chapter so tremendous and generous is the fact that our membership sees a need, recognizes it, and offers help to provide for the need. This statement also applies to our volunteers on our committees such as:

Programs, Meeting Host, Membership, Roster, Sunshine Fund, Product Directory, Research Promotion, Newsletter, Student Activities, Honors and Awards, Historian, Science Fair, TEGA (Technical, Energy, and Government Activities), Budget and IRS Compliance, Refrigeration (CTTC-Chapter Technology Transfer Committee), Sal Triana Scholarship Fund Advisors, Golf Outings, Engineer's Week, Government Activities (CTTC), and the most recently formed CRC (Chapter Resource Conference) planning committee and its sub committees.

Without the best stewardship and volunteerism from our members, the ASHRAE Cleveland chapter would be no more than an elusive HVAC dream. But with our membership volunteers, we are an organization that promotes the advancement of our members through technical seminars on novel HVAC technologies, energy conservation, legal and ethical education, economics, and providing for the welfare of people in an occupied environment. The ASHRAE Cleveland Chapter provides the vehicle for the advancement of ourselves; the tireless volunteers of ASHRAE Cleveland Chapter have a part in our advancement. I am very grateful for these volunteers.



During this month, our committee volunteers will be contacting our membership for opportunities to sponsor the upcoming CRC in August and also for donating to annual 2011-2012 ASHRAE research drive. While it may appear that we are coming to our membership from every possible angle to provide financial support, please consider that the CRC being held in Cleveland, Oh is a once every thirteen year's event. It is also a goal of the CRC Planning committee to make this a memorable event for the 150 to 200 engineers that will be in attendance. Some of the high level sponsorships give an opportunity for a manufacturer or equipment supplier to advertise to these engineers through lunch sponsorships and table-top displays.

When the call or e-mail is received, please find it within your means to provide for the need of our CRC event planning and Research promotion. What makes the ASHRAE Cleveland chapter so great is our generosity and vision for providing for a need. Let me close by expressing my thank-yous to our generous membership and to our enthusiastic and tireless volunteers.

- Shawn W. Beres

### 2011-2012 Officers and Board of Governors

<b>President</b>	Shawn Beres
<b>President Elect</b>	Dominic Cacolici
<b>Treasurer</b>	Matt Morgan
<b>Secretary</b>	Scott Dusenbury

### Board of Governors

Doug Barnes  
Billy Kodosky

### Committees and Chairs

<b>Chapter Technical Transfer Committee</b>	Robert Laneve
<b>Programs (CTTC)</b>	Robert Laneve Mike Quinn
<b>Refrigeration (CTTC)</b>	Richard B. Long
<b>Gov't Activities (CTTC)</b>	Doug Barnes
<b>Membership &amp; Roster</b>	Brendan Hall
<b>Product Directory</b>	Daniel J. Bacik
<b>Research Promotion</b>	Kris Haycook
<b>Newsletter</b>	James Dudd
<b>Student Activities</b>	Scott K. Jordan
<b>Honors &amp; Awards</b>	Fred H. Hollman
<b>Historian</b>	Dave Deschler
<b>Science Fair</b>	Steven R. Armstrong
<b>Meeting Host</b>	Scott Dusenbury Shariq Ali
<b>Scholarship Fund (Sal Triana &amp; Gardiner)</b>	Ken Borah Billy Kodosky Shawn Beres Gary Gardiner
<b>Golf Outing</b>	Louis A. Bentzen Ken Borah
<b>Engineer's Week</b>	James G. MacMillan
<b>Special Events</b>	Brian McFearn
<b>Budget &amp; IRS Compliance</b>	Fred H. Hollman
<b>Sunshine Fund</b>	James W. Wickert
<b>Website</b>	Matt Nelson



## SPEAKER BIO



**Mr. Scott Bissett**

**Director of Sales & Marketing  
Armstrong Monitoring Corporation**

Scott Bissett has been working with Armstrong Monitoring since 2002, and holds a Bachelors degree in Social Science from the University of Ottawa. In his role as Director of Sales & Marketing, Scott has primarily focused on application and product support for AMC's worldwide distribution network, and has worked diligently to further the understanding and use of gas detection systems to deliver healthier work environments and energy efficiency.

## FEBRUARY MEETING RECAP

On Wednesday, February 15, 2012 our chapter gathered for a lunch presentation by the Downtown Cleveland Alliance. Mr. Michael Deemer, who was accompanied by Mr. William Tarter, presented "The Voice of Downtown." Mr. Deemer began his presentation by acknowledging our group's connection to the built environment and proceeded to thank all those in attendance for their work on the many buildings in downtown Cleveland.

The Downtown Cleveland Alliance is a non-profit group devoted to creating a more vibrant downtown. As an eleven member staff, the group has been responsible or involved with such projects as the Cleveland Ambassador Program and the security camera program. Our Cleveland Ambassadors

add a level of security and safety beyond the increased police patrols and 32 security cameras strategically placed throughout downtown assist law enforcement personnel with video updates of street corners. With over 10,000 downtown residents, the residential occupancy rate is at 96%... proving that people really do love to Live, Work and Play Downtown! The efforts of many have allowed Cleveland to invest over \$2 billion in construction projects during the past couple of years...all during a recession! Work has included the convention center, the aquarium, the medical-mart, the EastBank project, the CoastGuard building, and 24 other office renovations. The next focus area will be the 9th-12th District. This is the area between East 9th and East 12th and

between Euclid and Lakeside. A focus on housing will continue in this area; there is even mention of converting the previously named "East Ohio Gas Building" into residential properties. A possible future focus area will be the Lakefront area, especially near Burke Lakefront Airport. Regardless of the area, the desire is to create a more "walkable city"; a Connectivity Group Plan Commission has even been established to monitor these efforts. In conclusion Mr. Deemer shared a great Cleveland promotional video. All members are encouraged to visit downtown, or possibly relocate to a downtown address! Thank you Mr. Deemer for an enlightening updated on our wonderful Downtown Cleveland!

## 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](mailto:kborah@karpinskieng.com). If you have any questions please feel free to contact Ken Borah at **216-391-3700**.



## IN THE NEWS...



### Region V CRC

Save the dates **August 9-10-11** for the **Region V CRC** meeting! We will have 3 day, 2 day, and Saturday only packages. We will also offer the Friday Night "Engineers-After-Dark" Rock n Roll dinner ticket separately.

With the Region V CRC coming to Cleveland in the summer of 2012 the planning is well under way. Among other opportunities to assist your society, we will have four levels of sponsorships available: **Green, Silver, Gold & Platinum**. Each level will have various benefits provided with it. For more information please review the information on the CRC website at <http://www.clevelandashrae.org/crc/>. We are asking all members to think of their favorite vendors and manufacturers as our sponsor program for 2012 heats up. Please remind them to check our website or ask any of our 2012 team members to get them a sponsorship form.

*Current committed sponsors:*

**Platinum:** McQuay, Integrated Testing and Commissioning, Direct Air Systems, Ketchum & Walton

**Gold:** Marley, Refrigeration Sales

**Silver:** Jacco, R. L. Deppman



## ASHRAE RESEARCH PROMOTION

### THANK YOU DONORS!

ASHRAE would like to extend a special thank you to all of those who generously donated to Research Promotion so far this year and invite others to add their name to this list!

Air Control Products - Greenheck Fans  
Air Control Products - Markel Products  
Air Control Products - Price Industries  
Armour & Associates - Reznor  
Boyd Lofgren  
Brewer Garrett  
D.B. Johnsen  
Denk Associates  
Direct Air Systems Inc.  
Dr. Drury Crawley  
Fulton & Associates  
Heat Total Facility Solutions  
Jacco & Associates Inc.  
Johnson Controls  
Karpinski Engineering  
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Refrigeration Sales Corporation  
Roberts Mechanical Equipment  
Tec, Inc.  
TES Engineering  
The Craun Liebing Company  
Victaulic Company  
Wadsworth Slawson Northwest  
Young Regulator

To date the Cleveland chapter has raised just over **\$7,568.00** with our goal of **\$18,000!**

To support and invest in ongoing efforts of ASHRAE that provide our engineering community with the tools and knowledge for successful designs, go to: [www.ashrae.org/rp](http://www.ashrae.org/rp).





## SUNSHINE COMMITTEE



Your ASHRAE Sunshine Committee continues to be grateful for not having any obituaries to write over the past several months. However, as the saying goes: "The devil finds work for idle hands" - in my case, speculation about whether ASHRAE membership may confer improved longevity. After all, only a few years ago, an ASHRAE Fellow, Milton W. Garland, was recognized at age 103 as the oldest working American, still reviewing patents and teaching industrial refrigeration to engineering trainees, 20 hours per week at the Frick Company in Pennsylvania (now part of Johnson /Service/Controls/Refrigeration/Seats/? ), for nearly 80 years, starting as a graduate engineer in 1920 at 47 cents/hour.

Google 'Milton W. Garland' to see many pages about his illustrious career. In full disclosure: my closest colleague during my Army service in the Cooling Section of Werner von Braun's Research and Development Branch at Redstone Arsenal in 1951 and 1952 was Ed Shriver, a 1950 graduate of Mr. Garland's program at Frick. (Ed went on to a long career with Westinghouse, selling the very earliest rooftop air-conditioning units to Woolworth stores. Unfortunately, Ed died before his instructor, Mr. Garland, - but then I am not sure Ed ever joined ASHRAE.)

Longevity also brings recollection of Cleveland ASHRAE traditions. For many years, our networking time before our meeting was called "Bomb Shelter".

This was a carry-over from when the local Chapter of the American Society of Refrigeration Engineers met at the old Cleveland Engineering Society building around 18th and Carnegie in downtown Cleveland. The building was a former telephone exchange, and the bar was set up in a former basement coal bin with a vaulted brick ceiling. This reminded World War II veterans of time spent in English bomb shelters, hence networking was then called "Bomb Shelter" time.



In recognition of this evident ASHRAE member longevity, I would like to propose a new Chapter Tradition. Recently, one of our most supportive and long-time members, Jim Karpinski, told me the Poles have a toast: "Sto Lot". It translates as "Hundred Years", and is a wish Poles express to each other when they meet to share a drink or celebrate a birthday. I suggest we do the same, in recognition of this apparent benefit of ASHRAE membership, as well as recognition of the rich and wide range of ethnic heritages among ASHRAE Clevelanders. I believe it is pronounced "Shtow-Lott" - but Karp will correct us if I am wrong.

April 19, 2012 1:00 PM–4:00 PM EDT

# Dedicated Outdoor Air Systems:

## *A Path to Balancing Energy and IEQ*

Hear leading experts discuss the role of Dedicated Outdoor Air Systems in the overall HVAC system and describe various DOAS equipment configurations, characteristics, and applications. This webcast will identify common design and operational pitfalls, and cover challenges unique to DOAS.

**FREE**  
ASHRAE  
Webcast

## Presenters



**Ron Jarnagin, 2011–12**  
ASHRAE President  
Staff Scientist | Pacific Northwest National Laboratory | Richland, WA



**Tim McGinn, P.E., LEED AP**  
Principal | DIALOG | Calgary, AB, Canada



**Stan Mumma, Ph.D., P.E.**  
Professor Emeritus | Pennsylvania State University | University Park, PA



**John Murphy, LEED AP**  
Applications Engineer | Trane | La Crosse, WI

Viewing held at Karpinski Engineering's multimedia conference room conveniently located at:

3135 Euclid Ave Cleveland, OH 44115

Lunch sponsored by Cleveland ASHRAE chapter at Noon followed by webcast

PDH Credits are available to viewers who complete the "Participant Reaction Form"

RSVP to Doug Barnes [DBarnes@karpinskieng.com](mailto:DBarnes@karpinskieng.com)

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Brought to you by the ASHRAE Chapter Technology Transfer Committee

For more information about the program, presenters, continuing education credits, sponsorships, and DOAS resources please visit us at [www.ashrae.org/doaswebcast](http://www.ashrae.org/doaswebcast)





# 2012 ANNUAL CONFERENCE



## Join ASHRAE at its **2012 Annual Conference**

June 23–27, 2012/San Antonio, Texas



Special  
Rates for  
**First-time**  
Attendees

**First time attendee registration fee—**  
a special rate of \$320 if you register by June 1;  
\$480 during onsite registration that begins June 11.

*Join ASHRAE in San Antonio! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; and earn professional credits.*

**Technical Program** – From integrated energy systems to indoor environmental applications, the Technical Program features seven tracks addressing topics and principles important in the HVAC&R industry today. The technical program also features a new mini-conference format on Integrated Building Controls. Earn PDHs, AIA LUs and LEED AP credits.

**Virtual Conference** – If you can't make it to San Antonio, take advantage of the knowledge shared in the technical program with the on-demand Virtual Conference recordings of all the presentations.

**ASHRAE Learning Institute** – ASHRAE Learning Institute provides high-quality courses presented by industry-recognized subject matter experts. Select from two all-day seminars and six half-day courses to stay current on HVAC&R trends.

**[www.ashrae.org/sanantonio](http://www.ashrae.org/sanantonio)**



# CHAPTER CALENDAR



September , 2011  
Airside Economizer  
Regulatory Evolution  
Eric Hancock  
Location: [Harry's Steakhouse](#)

October 17, 2011  
Energy Plus  
Drury Crawley, ASHRAE DL  
Location: [Harry's Steakhouse](#)

November 21, 2011  
Fan Efficiency Grades  
YEA Night  
Location: [Harry's Steakhouse](#)

January 18, 2012  
Lunch Meeting: Legionella Control  
Location: [Crowne Plaza](#)

January 21-25, 2012  
Winter Conference  
Location: [Chicago, IL](#)

February 15, 2012  
Lunch Meeting  
Location: [Crowne Plaza](#)

March 21, 2012  
Lunch Meeting  
Location: [Crowne Plaza](#)

April 16, 2012  
TBD  
Location: [TBD](#)

April 19, 2012  
ASHRAE Webcast:  
DOAS  
Location: [Karpinski Engineering](#)

May 21, 2012  
Past Presidents Night  
Location: [Harry's Steakhouse](#)

June 2012  
Membership Promotion  
Golf Outing

August 2012  
Region V CRC  
Location: [Cleveland](#)