



# CLEVELAND ASHRAE NEWSLETTER

September 2009



## SEPTEMBER MEETING

### *Radiant Cooling Technologies*

September 21, 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: Jerry Sipes  
Location: Harry's Steakhouse  
5664 Brecksville Road  
Independence, OH 44131

R.S.V.P. @ (216) 373-0315 by 12:00 Noon on Friday, September 18th for Reservations.  
Please state if you need a CPD Certificate. Dress Attire is Business Casual.

Another year of ASHRAE meetings is underway. We will start the year with an interesting discussion on radiant cooling and heating. Jerry Sipes will be discussing radiant cooling and heating design when compared to the traditional overhead air distribution design approach. His presentation will discuss the Comfort Criteria per ASHRAE Standard 55 and will provide an overview of radiant systems.

## This Month's Sponsor



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inc.**

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Cleveland, Ohio 44147-3296  
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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 ROBERT LANEVE



September 15, 2009

Welcome back Cleveland ASHRAE Members! As we embark on the 2009-10 year I am excited to be working with my fellow Chapter Officers, Board of Governors and Committee Chairs. Everyone has been focused on their respective responsibilities and as a chapter we are fortunate to have their dedication. Our 2009-10 Officers include Billy Kodosky as President Elect, Shawn Beres as Treasurer and Dominic Cacolici as Secretary. Our Board of Governors consists of Matt Morgan and Matt Nelson. Key committee chairs are Tim Baker for Membership Promotion, Bob Chmielewski for Research Promotion, Doug Barnes for Energy and Government Activities and YEA, Fred Hollman for Honors and Awards, Dave Deschler for Chapter Historian, Scott Jordan for Student Activities and Matt Morgan as Newsletter Editor.

You can easily understand that it is through the volunteering efforts of our members that our chapter exists. I encourage each chapter member to offer some sort of help to our chapter during their career. ASHRAE provides us technical guidance, camaraderie and professional growth opportunities. We must all give back to keep our chapter growing. We must also remember our past and those that brought us to where we are today. When we see a Past President or former committee chair, thank them for their efforts in keeping our chapter vibrant and on track.

For the 2009-10 year we have goals to expand our involvement with student members, increase our membership of young engineers, to provide educational programs and to achieve our required points for the Presidential Award of Excellence categories. I encourage all members to personally focus on improving energy efficiency in existing buildings. Our ASHRAE Society President, Mr. Gordon Holness has developed a Presidential theme of "Sustaining our Future by Rebuilding our Past." Mr. Holness believes by addressing the energy efficiency in existing buildings, we have the greatest opportunity for a sustainable future.

As the 2009-10 Cleveland ASHRAE Chapter President I look forward to guiding our efforts during the upcoming year. If any member has a suggestion or concern, I encourage them to discuss it with me or the entire board at one of our Board meetings. Together, let's have another great ASHRAE year!

## OFFICERS & COMMITTEE CHAIRMEN

### 2009-2010 Officers and Board of Governors

**President** Robert Laneve  
**President Elect** Billy Kodosky  
**Treasurer** Shawn Beres  
**Secretary** Dominic Cacolici

### Board of Governors

Matt Morgan  
Matt Nelson

### Committees and Chairs

**Chapter Technical  
Transfer Committee** Robert Laneve

**Programs  
(CTTC)** Robert Laneve

### **Refrigeration (CTTC)**

Richard B. Long

### **Gov't Activities (CTTC)**

Doug Barnes

### **Membership & Roster**

Tim Baker

### **Product Directory**

Daniel J. Bacik

### **Research Promotion**

Bob Chmielewski

### **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)**

Ken Borah  
Billy Kodosky  
Shawn Beres  
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

Jerry Sipes is the Vice President of Engineering for Price Industries and is a Professional Engineer with more than nineteen years of experience in the HVAC field. He is the past Chairman of ASHRAE Standard 130 "Methods of Testing for Rating Ducted Air Terminal Units", the Past Chairman of ASHRAE Technical Committee 2.1 "Physiology and Human Environment", serves as a voting member of ASHRAE Technical Committee 5.3 "Room Air Distribution", and serves as the Chairman of the Air-Conditioning and Refrigeration Institute (ARI) Air Control and Distribution Devices (ACDD) Section. He serves as the Chairman of both the Chilled Beams Rating Standard at AHRI and Chilled Beams Method of Testing Standard at ASHRAE. In 2001, he received the Ralph G. Nevins Physiology and Human Environment Award, which is awarded to a researcher for "significant accomplishment in the study of physiology and human response to the environment". His principle technical areas of interest are heat transfer, fluid flow, human thermal comfort, HVAC and acoustics.



## 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 **1-216-391-3700**.





# ASHRAE RESEARCH PROMOTION



## *STARTING THE YEAR OFF RIGHT!*

Thank you to all who attended this year's Research Promotion outing at Lake Forest Country Club. This is our season's start to a solid year for ASHRAE. Each year we have about 72 golfers and close to \$800 in 50/50 raffle tickets to raise money for Research, and this year was no exception.

This year our region carries over \$1.5 million in projects. [Please see table on next page for more information.](#)

For those of you that donated over \$100 in the 2008-09 campaign, look for your name next month in the ASHRAE October Journal!

Thank you for supporting ASHRAE Research. Researching Today for a Sustainable Tomorrow.

Continued participation at this level is appreciated to meet this year's campaign to provide funding for current projects. Please go to [ASHRAE.ORG/RESEARCH PROMOTION](http://ASHRAE.ORG/RESEARCH_PROMOTION) to learn what ASHRAE Research can do for you!



For more detail & information go to the Research Promotion [Quicklink!](#)

ASHRAE Research Promotion Chair for the Cleveland Chapter

[Bob Chmielewski](#)

1083-RP	9.8	98,420	Chemical Out-Gassing From Indoor Swimming Pools	IMAGINATION RESOURCES, INC. - Dublin, OH		Completed Oct. 2008
1262-RP	9.3	980,952	Relate Air Quality and Other Factors to Comfort and Health related Symptoms Reported by Passengers and Crew on Commercial Transport Aircraft (Part 2);	BATTELLE MEMORIAL INST. - Columbus OH		
1303-RP	3.1	49,625	Partitioning of Non-Condensable Gases I Refrigerant Liquid and Vapor Phases	IMAGINATION RESOURCES, INC. - Dublin, OH		
1344-RP		119,000	Clean room Pressurization Strategy Update Quantification and Validation of Minimum Pressure Differentials for Basic Configurations and Applications	ENGYSYSO - ANN ARBOR, MI	NEW	
1373-RP	5.3	99,332	Air Distribution Effectiveness with Stratified Air Distribution Systems	BUILDING ENERGY AND ENVIROMENT ENGINEERING - Layette, IN		
1484-RP	3.1	71,259	Energy and Performance of Secondary Coolant Low-Temperature Refrigeration Systems	PURDUE		
NI 08-09		45,000	Cost-Effective Fabrication Methods for Hydrophobic Metallic Heat Exchanger Fins	U. OF MIAMI OF OHIO - Andrew Sommers	New Investigator Award	
GIA 08-09		10,000	Development of a System Design Methodology for Robust Thermal Control Systems to Support Operationally Responsive Space	PURDUE U. - Derek Hengeveld	Graduate Student Grant-in-Aid	
GIA 08-09		10,000	Convective Heat Transfer in a Novel Enhanced Heat Transfer Core Surface - Wavy Fins with Periodic Wall Perfusion for Macroscopic Mixing and Swirl Production	UNIV. OF CINCINNATI - Omar Huzayyin	Graduate Student Grant-in-Aid	
GIA 08-09		10,000	Development of a Electrostatic Precipitation Technology for Effective Dust Control in Animal Facilities	OHIO STATE UNIV. - Roderick Manuzon	Graduate Student Grant-in-Aid	
GIA 08-09		10,000	Experimental and Numerical Study of Moving Body Effects on Airflow and Airborne Contaminant Transport in an Airline Cabin	PURDUE U - Sagnik Mazumdar	Graduate Student Grant-in-Aid	
GIA 09-10		10,000	Development of a Miniature-Scale Linear Compressor for Electronics Cooling	PURDUE U - Craig Bradshaw	Graduate Student Grant-in-Aid	
GIA 09-10		10,000	Advanced Simulations for Air Distributions in Buildings	PURDUE U - Wagda Zuo	Graduate Student Grant-in-Aid	
1509-RP		137,563	Study the Degradation of Typical HVAC Material, Filters and Components Irradiated by UVC Energy	U. DAYTON RES. INSTITUTE - Dayton OH	NEW	
REGION V		1,523,588				



## IN THE NEWS...



### Spring ASHRAE Golf Outing Winner



Congratulations to **Lou Joseph** who was awarded the Gardiner Trophy for achieving the low round of the day!

### Cleveland ASHRAE Obituaries

We note the passing of a former member of our industry, **Dick Kocab**, who died in Ocala, Florida, on June 21, 2009 at the age of 72. Dick graduated from Case in 1960 as a mechanical engineer; worked at Brewer Garrett; and then owned Controlled Environmental Systems. He retired to Florida in 1987 at age 50. We extend our sympathy to Dick's son Mark Kocab, who is now with Brewer Garrett

**Elmer E. Fischer, Jr.**, President of the Cleveland Chapter of ASHRAE in 1988-89, died June 13, 2009 at the end of a long battle with Alzheimer's disease. Elmer was a native of Sandusky. He attended Case School of Applied Science (now Case School of Engineering of Case Western Reserve University), where he was a member of Zeta Psi Fraternity. He worked as an engineer for many years at The Austin Company in Cleveland Heights and the B.F. Goodrich Chemical Company in Avon.

Retired former member **Don W. Boehler** died August 29, 2009 in Sebring, Ohio at age 87 after a period of declining health. Don was a large-equipment sales engineer for Carrier in Cleveland for many years. One of his achievements was to provide the largest absorption chiller Carrier had ever made at that time, to Oberlin College in the early 1970s. Don served six years in the US Navy during World War II, and then got his engineering degree from the University of Kentucky, where he was a football star under the legendary coach "Bear" Bryant. He is honored in the Lorain Sports Hall of Fame. A Memorial Mass was held at St Ann Catholic Church in Sebring August 31.





# CHAPTER CALENDAR



September 21, 2009

Radiant Cooling Technologies

Location: [Harry's Steakhouse](#)

October 19, 2009

Business Communications

Location: [Harry's Steakhouse](#)

November 16, 2009

Cleveland Clinic Tour

Location: [Cleveland Clinic](#)

December 2009

No Meeting

January 20, 2010

Lunch Meeting:

ASHRAE Learning Institute

Location: [Sheraton Rockside](#)

February 12, 2010

ASHRAE Social

Location: [TBD](#)

February 17, 2010

Lunch Meeting:

ASHRAE DL

Location: [Sheraton Rockside](#)

March 15, 2010

Mr. Gordon Holness, ASHRAE Society President

Location: [Harry's Steakhouse](#)

April 19, 2010

Cleveland USGBC

Location: [Harry's Steakhouse](#)

April 21, 2010

Satellite Broadcast (Commissioning)  
(Pending)

Location: [WKYC](#) or [Karpinski](#)

May 17, 2010

Improving Efficiency

Location: [Harry's Steakhouse](#)

June 2010

Membership Promotion Golf Outing

Location: [Sugar Bush?](#)

