



# The A.S.H.R.A.E. Newsletter

American Society of Heating, Refrigeration and Air conditioning Engineers, Inc.  
Southwest Florida Chapter # 139

Voted Region XII Best Newsletter for ASHRAE Year 1998-1999

April 2004

Volume 9 Issue 8



*Happy Pesach!*  
*Happy Passover!*

## **APRIL MEETING NOTICE**

### **Topic:**

Ice Storage System, Internet DDC & Historic Cars Tour

### **Guest Speaker:**

Scott George & Brett McKinstry

### **Meeting Location:**

Frascati's Italian Restaurant-Dinner  
CH Motorcars Museum-Tour

### **Date:**

Wednesday April 14th, 2004

### **Time:**

5:00 – 5:30 Happy Hour  
5:30 - 6:30 Dinner  
7:00 Tour

### **Cost:**

\$30.00 per member.

## **RESERVATIONS ARE A MUST!**

**Please R.S.V.P. to Mary Kay  
Gonzalez @ 239-939-9098 or  
send an e-mail to:  
[brantpe@aol.com](mailto:brantpe@aol.com)**

# **NATIONAL ASHRAE NEWS**

## **Addenda to ASHRAE Energy, BACnet Standards Approved by ANSI**

Date Released: March 30, 2004

ATLANTA - Eight addenda to the American Society of Heating, Refrigerating and Air-Conditioning Engineers' (ASHRAE) energy conservation and building controls network standards have been approved by the American National Standards Institute (ANSI).

Also receiving approval from ANSI's Board of Standards Review was ANSI/ASHRAE 158.1-2004, *Methods of Testing Capacity of Refrigerant Solenoid Valves*, which prescribes a method of testing the capacity of refrigerant solenoid valves for use in refrigerating systems.

Five addenda to ANSI/ASHRAE/IESNA Standard 90.1-2001, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, were approved. The standard provides the minimum requirements for the design of energy efficient buildings.

Three addenda to ANSI/ASHRAE Standard 135-2001, *BACnet - A Data Communication Protocol for Building Automation and Control Networks*, were approved. This is the only open, consensus-developed standard in the building controls industry.

All of the addenda can be downloaded for free through the "standards addenda" shortcut at ASHRAE.org or through this direct link to [Standards Addenda](#)

The approval means the ANSI Board of Standards Review has determined that the addenda and the standard met the consensus requirements set by the accrediting standards-writing organization.

The following addenda were approved:

- Addendum 90.1h updates the references in Section 12 and the test procedure references in sections dealing with building material thermal properties and assembly U-factors.
- Addendum 90.1p contains requirements to ensure that building energy simulation programs remain bug free. The addendum requires that the programs be tested with ANSI/ASHRAE Standard 140-2001, *Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs*.
- 90.1o revises an exception to Section 6.3.1., economizers, to indicate that it applies only to heat recovery systems that are required by Section 6.3.6.2., heat recovery for service water heating.
- 90.1r adds requirements regarding return duct insulation.
- 90.1s revises exceptions (g) and (i) in Section 6.3.6.1., exhaust air energy recovery.
- Addendum 135a changes the way schedules are represented and maintained in BACnet systems.
- Addendum 135c contains eight new features that include enhancements to the life safety objects and services and the ability to represent utility meters and other measuring devices that provide pulsed outputs.
- Addendum 135d contains information on how to interconnect BACnet devices with devices that use the EIB/Konnex protocol.

The cost of Standard 158.1 is \$18 (\$14 ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, by mail at 1791 Tullie Circle NE, Atlanta, GA 30329, or visit the ASHRAE.org Bookstore at [www.ashrae.org](http://www.ashrae.org).

March 2004

## **PE's Share Their Outlook For the Profession**

A new poll suggests that licensed engineers believe strongly that the public perceives engineers as ethical and that ethical behavior is encouraged by employers. At the same time, a very high percentage of licensed engineers disagree that the engineering profession is well understood by public officials and government leaders.

These and many other findings were part of the first Annual NSPE Engineering Outlook Index, launched online in November 2003 to examine professional engineers' opinions on a wide variety of current issues affecting the practice of engineering, including image and stature, ethics, engineering education, employment trends, licensure, and others. (See page 2 for an article on public perception of engineering.)

Survey respondents were asked their level of agreement or disagreement on 20 statements and were also encouraged to provide written comments at the end of the survey.

Among the significant findings from the survey were the following:

- A substantial majority of respondents expressed support for the current engineering qualifications system for engineering licensure and agreed that state licensure boards are meeting their responsibilities. Only one-fifth of respondents agreed that the overall state of the engineering profession is better today than it was five years ago.
- The strong perception among engineers of engineering as an "ethical profession" is consistent with most major national polls that regularly rank engineers high in public esteem.
- There is general uncertainty among engineers about the strength of the current job market, despite signs that the economy is improving and the unemployment rate has been declining.
- Most employers appear to provide support (including financial or scheduling flexibility) for their engineering employees to participate in professional activities. This may be contrary to the perception that employers have lessened their support for such activities in recent years.
- Although there appears to be increased union activities both in the public and private sectors of engineering, only a very small number of engineers appear to support efforts among engineering professionals to unionize. It appears that the historic reluctance among the vast majority of engineers to unionize has not changed significantly.
- Approximately half of engineers support affirmative action programs in the private and public sectors to promote diversity within the engineering profession. It appears that engineers recognize the long-term need for their profession to become more reflective of the overall society.
- There is a clear split on the issue of whether U.S. immigration policy should encourage engineering students to be trained in the U.S. and allow foreign engineers to work in the U.S. as engineers.

## **NATIONAL ASHRAE EVENTS:**

**July 10-15, 2004-** Perdue Compressor Engineering and Refrigeration and Air Conditioning Conferences, West Lafayette, IN

**December 5-10, 2004-** Performance of Exterior Envelopes Whole Building IX International Conference, Sheraton Sand Key, Clearwater, FL

Dear Members,

This coming Spring, you will receive in the mail a ballot from your Society involving election of Officers and ASHRAE By-Law proposed changes.

This information on the By-Law change is a result of many hours of work by your Society BOD and Committee members in an effort to make our Society more effective and efficient for its members. In the past year, your leadership has been working feverously on formulating a transition plan to maximize the Society effectiveness in service to its members and to the improvement of its products and services that ASHRAE provides. This cause is continuing and you should start seeing many positive results of this work. Please read and understand the balloted information, and please send back your ballot with your vote. This information has been approved by the BOD and its committees, and it is my personal belief that it is the right thing to do.

It is important that you vote on all issues that affect the Society and we very much want to hear your voice in this ballot. Our Society is based on its members and their desires, and by voting we can hear your opinions.

ASHRAE invites any member to put forth their wants and desires for the Society to carry out in many ways; you can write any member of the Board; you can have your Chapter delegates take your requests to the CRC and have them aired in an open forum discussion at the business session; or you can go to the Society meetings and get involved in a Committee and voice your interests or concerns. We invite all opinions and suggestions and would very much like you see your participation. Not withstanding out total membership, we are keenly interested in getting new members and younger members to be more involved in all ASHRAE activities. Please contact your Chapter Officers, your Regional Officers, or any Board member to show your interest and we will do what we can to encourage your appointment to committees for service.

We have a CRC coming up in August 26-28 hosted by the Jacksonville chapter. We invite all members to attend, but if you cannot, your voices can be made through your Chapter delegate and alternate (usually your President and President-elect) . Please relay to them any information or suggestions you may have for your Society to consider.

Very truly yours,

Ross D. Montgomery,P.E.

ASHRAE Board of Directors

### **Past Presidents of #139 Southwest Florida Chapter**

1982 - 1983	Edward O'Neal, P.E.	1993 - 1994	Jeff Zenoniani
1983 - 1984	Edward O'Neal, P.E.	1994 - 1995	Lisa A. Duritsch
1984 - 1985	Dennis Holland	1995 - 1996	Jason Grabowski
1985 - 1986	Ross Montgomery	1996 - 1997	James Faulkner
1986 - 1987	Jeff Dorini	1997 - 1998	Robert Risley
1987 - 1988	Kermit Rood	1998 - 1999	Winifred Denius
1988 - 1989	Bill Malphus	1999 - 2000	Paul Martin
1989 - 1990	Tom Delnay	2000 - 2001	Don Pine
1990 - 1991	Nelson Tarbox	2001 - 2002	Randy Saul
1991 - 1992	Gary H. Griffin	2002 - 2003	Jason Allen
1992 - 1993	Gary H. Griffin		

## ASHRAE 2003-04 Chapter Meeting Dates

Meeting Date	Program	Speaker / Representative	Location
Sept. 10, 2003	Bio-Terrorism Preparedness	Rebecca Malphus	Bogert's Chop House
Oct. 1, 2003	Joint Meeting with AIA Chapter: NASA Space Station & Rocket Scientist	Jeffrey Mitchell	Wildcat Run Country Club
Oct. 17, 2003	Golftoberfest	Misty Robbins	Heritage Palms Golf and Country Club
Nov. 12, 2003	Designing for Occupant Acceptance	Dan Int-Hout III	Bogert's Chop House
Dec. 5, 2003	Ice Hockey: Everblades vs. Greenville		TECO Arena
Jan. 14, 2004	IAQ from an Owner's Prospective	Skip Camp	Bogert's Chop House
Jan. 24, 2004	Building Envelope Seminar	Dr. Joseph Lstiburek	Holiday Inn, Bell Tower
Feb. 11, 2004	Atria & Large Volume Smoke Exhaust Systems	Andrew Valente	Bogert's Chop House
March 10, 2004	Control Considerations for the 21 <sup>st</sup> Century	Gil Avery	Bogert's Chop House
March 10, 2004	Seminar @ Trane Conference Room	Gil Avery	Bogert's Chop House
April 14, 2004	Ice Storage System, Internet DDC & Historic Car Tour	Scott George & Brett McKinstry	C.H. Motorcar Tour Frascoti's Italian Restaurant
April 17, 2004	Cape Coral Yacht Club- POSTPONED	Don Pine	7 <sup>th</sup> Annual Backwater Fishing Tournament
May 12, 2004	Pumping Seminar	Mark Smith & Dan Parker	Shellpoint Village – Armstrong Pumps Dinner at Shellpoint Village
May 21, 2004	Miscue Lounge	Lisa Duritsch	4 <sup>th</sup> Annual 8-Ball Pool Tournament
June 11, 2004	TBA	Mark Brant	President's Party

### A.S.H.R.A.E - Southwest Florida Chapter 2003-2004 Officers and Committee Directory

#### Chapter Officers:

**President**  
Mark Brant PE  
Ph. 239-939-9098  
Fax. 239-939-9038

**President Elect**  
Guy Van Meulebrouck, PE  
Ph. 239-693-6120  
Fax. 239-694-4633

**Vice President**  
John Pennington  
Ph. 941-627-8881 ext. 215  
Fax. 941-743-9475

**Treasurer**  
Guy VanMuelebrouck, PE  
Ph. 239-693-6120  
Fax. 239-694-46388

**Secretary**  
John Pennington  
Ph. 941-627-8881 ext. 215  
Fax. 941-743-9475

#### Chapter Board of Governors:

**Don Pine**  
Ph. 239-939-4502  
Fax. 239-939-4225

**Robert Risley**  
Ph. 941-332-9111  
Fax. 941-332-9166

**ASHRAE**  
1-800-527-4723

#### Chapter Committee Chairpersons:

**Programs**  
John Pennington  
Ph. 941-627-8881 ext. 215  
Fax. 941-743-9475

**Technical, Energy, and Governmental Activities**  
John Trowbridge  
Email. johntrowbridge@shellpoint.org

**Membership**  
Kurt Vega  
Ph. 239-693-7200 ext. 218  
Fax. 239-693-2431

**Research**  
Brian Mumme  
Ph. 239-332-4646  
Email. bmumme@bandicontractors.com

#### Chapter Committee Chairpersons:

**Newsletter**  
**Lily Salkoff**  
Ph. 239-841-1323  
Email. imthewoman@bikerider.com

**Honors and Awards**  
**Don Pine**  
Ph. 239-939-4502  
Fax. 239-939-422

**Historian**  
Randy Saul  
Ph. 727-577-9666  
Fax. 727-573-5561

**Student Activities**  
Jason Allen  
Ph. 239-275-9420  
Fax. 239-275-97  
Fax. 941-275-3511

*Statements made in this publication are not an expression of the Society.*