



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

February 2005

Volume 10 Issue 6



PRESIDENT'S MESSAGE

Hello again. I wanted to call your attention to an important trend in our chapter. Dwindling attendance. Over the past three years, our attendance at meetings has been dropping steadily. Throughout this time, our chapter has staffed itself with dedicated and able volunteers who have worked hard at keeping our chapter going. With respect to our region, our chapter has excelled in many ways: in it's high percentage of resource contributions, it's offering CEU's, the fishing tournament, the Building Moisture Seminar are good examples of this. But really, the main reason for the board is to serve the chapter.

So, I am asking each of you to take a minute, right now and email myself or anyone else on the board and let us know what you think--what things would you like to see our chapter doing? What particulars do you want to see more of at the meetings? What ideas do you have for our chapter? My email address is guyvanm@comcast.net. Here is the rest of the board's emails: Robert.lesnau@tlc-eng.com; mike.myers@tlc-eng.com; BrantPE@aol.com; kvega@saftronics.com; bmumme@bandicontractors.com; johntroubridge@shellpoint.org; proairbalancing@verizon.net; Randy Saul (E-mail), dpine@umihvac.com, controlman@comcast.net (John Pennington (e-mail: rmunsey@airsourcecorp.com (Randy Munsey (E-mail).

On behalf of the board, it is a privilege to serve our chapter and we do welcome your fresh ideas and feedback in making our local chapter the best it can be.

Looking forward to hearing from you all.

Guy Van Meulebrouck PE, President SWFL ASHRAE Chapter

JANUARY MEETING NOTICE

Topic:

Chiller Feature Comparisons

Guest Speaker:

David E. Knebel, P.E. ASHRAE
Fellow, Director of Sales and
Technical Director AAON, Inc.

NEW Meeting Location:

Bogert's Chop House
5990 Winkler Ave – Ft. Myers
(just off College Pkwy.)

Date:

Thursday February 10, 2005

Time:

5:00 - 6:00 Board of Governors
Meeting
5:45 - 6:30 Social
6:30 - 8:30 Dinner, Meeting and
Program

Cost:

\$30.00 per member.

Reservations are a must!!

Call Mary Kay Gonzalez
239-939-9098

This Month's Topic:

Chiller Feature Comparisons

Presented By:

David E. Knebel, P.E. ASHRAE Fellow, Director of Sales and Technical Director AAON, Inc.

Mr. Knebel will analyze various chiller configurations and components and evaluate their benefits, limitations, and energy impact. He will illustrate the performance of a complete chiller system (chiller to air-handler) through computer modeling. He will also review the Langelier Saturation Index and its effect on scale in evaporative cooled systems. Features to be analyzed are: package vs. individual components, air cooled vs. evaporative cooled, R410a vs. R22, design and installation time. The goal is to determine which configuration and features perform best for various situations and with the lowest energy consumption.

Mr. Knebel received his Bachelor of Engineering Degree in Mechanical engineering from Stevens Institute of Technology and his Master of Science Degree in Mechanical Engineering from Oklahoma State University.

Mr. Knebel's 30 plus years experience in the HVAC industry includes HVAC design, consulting, product research and development, mathematical modeling, energy simulation, software development, and teaching.

Mr. Knebel is principal lecturer in ASHRAE's Professional Development Seminar in Energy Calculations. He has been Chairman of TC 4.7 Energy Calculations, Chairman of TC 6.9 Thermal Storage, and Chairman of the Research and Technical Committee, Member of the Technology Council, the Task Group for Combustion Turbine Inlet Air Cooling, Member of the Standard 90 Committee, and is a member of the ASHRAE Standards Committee. He was Deputy Chairman ARI Section on Thermal Storage. Mr. Knebel is an ASHRAE Fellow, member of the ASHRAE College of Fellows and recipient of the ASHRAE Distinguished Service Award.

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

- 1982 - 1983 Edward O'Neal, P.E.
- 1983 - 1984 Edward O'Neal, P.E.
- 1984 - 1985 Dennis Holland
- 1985 - 1986 Ross Montgomery
- 1986 - 1987 Jeff Dorini
- 1987 - 1988 Kermit Rood
- 1988 - 1989 Bill Malphus
- 1989 - 1990 Tom Delnay
- 1990 - 1991 Nelson Tarbox
- 1991 - 1992 Gary H. Griffin
- 1992 - 1993 Gary H. Griffin
- 1993 - 1994 Jeff Zenoniani
- 1994 - 1995 Lisa A. Duritsch
- 1995 - 1996 Jason Grabowski
- 1996 - 1997 James Faulkner
- 1997 - 1998 Robert Risley
- 1998 - 1999 Winifred Denius
- 1999 - 2000 Paul Martin
- 2000 - 2001 Don Pine
- 2001 - 2002 Randy Saul
- 2002 - 2003 Jason Allen
- 2003 - 2004 Mark Brant, PE

Please help us update the ASHRAE mailing list

Email to Kurt Vega at kvega@safronics.com, call 239-693-7200 X218 or mail to:

Kurt Vega
5580 Enterprise Pkwy
Fort Myers, FL 33905
239-693-7200 ext. 218

Please include the following:

Name: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

Membership # _____

News

From All Over

CDC Report Finds CO Poisoning Most Common in Cold Weather

ATLANTA—A study by the Centers for Disease Control and Prevention found that carbon monoxide (CO) exposures and poisonings occur more often during the fall and winter. The CDC's summary of the study said that this is because during cold months people are more likely to use gas furnaces, heaters and generators in their homes. The study used data from 2001–2003 on deaths from non-fire-related CO poisoning and U.S. hospital emergency-room treatment of non-fire-related CO poisoning. The most CO exposures occurred during December, with an annual average of 56 deaths and 2,157 nonfatal exposures, and in January, with an annual average of 69 deaths and 2,511 nonfatal exposures.

Untidy Beds Help Keep Dust Mites Away, Say Researchers

LONDON—Unmade, untidy beds keep dust mites away from the human occupants, according to researchers. A team of scientists at London's Kingston University said that dust mites, which can trigger allergies and asthma, thrive in moist and warm conditions. They are most likely to populate a bed with fresh, tightly drawn sheets and tucked-in blankets. When the blankets and sheets are tossed aside and the bed is exposed to open air, dry conditions are created in which the organisms cannot survive. The research team developed a computer model to track how changes in homes can reduce dust mite populations in beds.

2005 Winter Meeting On-site Registration

On-site registration for the 2005 Winter Meeting in Orlando begins February 4. Join us for what promises to be an exciting, information- and fun-filled meeting in Orlando, FL, February 5-9



Please register for the meeting on-site at the Wyndham Palace, beginning Friday, February 4, 2005 at 11:00 am.

On-site member fee: \$440 US, non-member fee: \$680 US. All social events and tours will increase by approximately \$2 each. No

package registration after December 17. One-day meeting registration will be available only on-site at the cost of member \$135; non-member \$180. Tickets to social events and tours may be purchased individually on-site

Mr. Paul Shahirari M.E.– US Green Building Council

January's speaker Mr. Paul Shahirari presented a very informative discussion on LEED.. A rather lengthy question and answer session followed the presentation.



The program was well attended.



Mark Your Calendar

Wednesday March 9, 2005 for the C.H. Motor Cars Tour. This is a once in a lifetime chance to visit a functioning Ice Storage System and a collection of very exotic automobiles. Be sure to contact John Pennington for reservations. Attendance is limited to the first 100 paid reservations. Deadline for reservations is February 15, 2005.

ASHRAE 2004-05 Chapter Meeting Dates

| Meeting Date | Program | Speaker / Representative | Location |
|----------------------|---|---------------------------|--------------------------------------|
| Sep. 8, 2004 | Moisture Control Through Desiccant Dehumidification | Cheryl Hughes / Munters | Sam Seltzer's Steakhouse |
| Oct. 13, 2004 | DDC for Lighting | John Bagwell / Triatek | Sam Seltzer's Steakhouse |
| Oct. 29, 2004 | Golftoberfest | Jason Grabowski | Heritage Palms Golf and Country Club |
| Nov. 10, 2004 | Commercial Kitchen Ventilation | Sherri Lee / Captive Aire | Sam Seltzer's Steakhouse |
| Dec. 10, 2004 | Everblades Hockey Game and Dinner | | Germain Arena |
| Jan. 12, 2005 | LEED Program | Paul Shahriari | Bogert's Chop House |
| Feb. 10, 2005 | Chiller Feature Comparisons | Dave Knebel | Bogert's Chop House |
| Mar. 9, 2005 | C.H. Motor Cars Tour | | Naples |
| Apr. 13, 2005 | U.V. Lights in A/C | Chuck Dunn / Lumalier Co. | TBA |
| TBA – April | 7 th Annual Backwater Fishing Tournament | Don Pine | Cape Coral Yacht Club |
| May 11, 2005 | To Be Announced | | TBA |
| TBA – May | 5 th Annual 8-Ball Pool Tournament | Lisa Duritsch | Miscue Lounge |
| June 2005 | President's Party | | TBA |

A.S.H.R.A.E - Southwest Florida Chapter 2004-2005 Officers and Committee Directory

Chapter Officers:

President

Guy Van Meulebrouck
Ph. 239-693-6120
Fax. 239-694-4633

President Elect

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

Vice President

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

Treasurer

Mike Myers
Ph. 239-275-4240

Secretary

Lily Salkoff
Ph. 239-841-1323

Chapter Board of Governors:

Don Pine

Ph. 239-939-4502
Fax. 239-939-4225

Mark Brant

Ph. 239-939-9098
Fax. 239-939-9038

Lisa Duritsch

Ph. 239-425-5038
Fax. 239-332-8510

Jason Allen

Ph. 239-275-9420
Fax. 239-275-9775

ASHRAE

1-800-527-4723

Chapter Committee Chairpersons:

Programs

Randy Munsey
Ph. 239-997-5100
Fax. 239-997-5101
Email: rmunsey@airsourcecorp.com

Technical, Energy, and Governmental Activities

John Trowbridge
Email. johntrowbridge@shellpoint.org

Membership

Lily Salkoff
Ph. 239-841-1323

Research

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

Chapter Committee Chairpersons:

News Letter Editor

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

Honors and Awards

Don Pine
Ph. 239-939-4502
Fax. 239-939-422

Historian

Lawrin Ellis
Ph. 239-936-4003
Fax. 239-936-0819

Student Activities

Robert Lesnau
Ph. 239-275-4240

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