



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

January 2006

Volume 11 Issue 5



PRESIDENT'S MESSAGE

I expect many of you are as amazed as I about the rapid calendar movement. As I re-read my December note, I did not see any mention of Christmas/Hanukkah or the New Year. There is a clue as to how far behind I am. Our family did have a great time together and we enjoyed the spirit of the season. I hope yours did too.

The Edison College Advisory Committee is meeting again this Thursday to further prepare for our approach to the many issues that are available to us. Gary Griffin, who has been active in student training for years, is joining our effort. Thanks Gary for your willingness to give. It is our hope that we can find ways to present the HVAC world to young people. Many other professional areas have done this quite well. Southwest Florida people looking for employment and scholastic tracks need to be attracted to our industry. Any thoughts you have should be shared with the committee. Lisa Duritsch, Mike Myers, Lawrin Ellis, Gary Griffin, or myself are open for all suggestions and thoughts.

The Golf Tournament, though started late, has been a very nice success. Our Chapter ASHRAE Research Promotion goals are much closer now. If you were a sponsor, we will have your flag at the meeting Wednesday.

Bogert's Chop House has been sold. It is now the Victorian Supper Room. The menu will be the same as in the past for us. Our speaker for this month, Dr. Will Stoecker, is a Distinguished Lecturer for ASHRAE. We should have a great meeting.

We look forward to seeing you on the 11th. And a very Happy and Prosperous New Year.

John Pennington, President SWFL ASHRAE Chapter

JANUARY MEETING NOTICE

Topic:

Ammonia/Carbon dioxide Hybrid Systems

Guest Speaker:

Professor Emeritus Wilbert F. (Will) Stoecker

Meeting Location:

**Victorian Supper Room
(Formerly Bogert's Chop House)
5990 Winkler Ave – Ft. Myers
(just off College Pkwy.)**

Date:

Wednesday January 11, 2006

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 attendee.

Reservations are a must!!

email Mary Kay Gonzalez

fasteagle@aol.com

[To: http://www.swflashrae.org/](http://www.swflashrae.org/)

**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
2004 - 2005	Guy Van Meulebrouck

Please help us update the ASHRAE email list

Email to Kurt Vega at kvega@saftronics.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 # _____

To: <http://www.swflashrae.org/>

Society News

From Processing to Pan: How a Chicken Gets to Market

CHICAGO – Getting chickens to supermarkets isn't as easy as having them cross the road.

Instead a chain of steps must be followed from production to display to ensure a quality product, safe for consumers.

“Without refrigeration, you would not be able to enjoy the chicken sandwich you had for lunch,” Todd Jekel, Ph.D., P.E., University of Wisconsin Madison, said. “Without refrigeration, a safe food supply is not possible.”

The use of refrigeration to bring a chicken from processing to pan will be highlighted in a seminar at ASHRAE's 2006 Winter Meeting, Jan. 21-25, Chicago. Basics of the Cold Chain: Follow a Chicken from Slaughter to Grocery Cart will be held from 8-10 a.m., Tuesday, Jan. 24.

The “cold chain” refers to the steps used to preserve food and other perishable products from the production stage to the consumption stage.

Speakers will illustrate the cold chain by following a chicken through the process of freezing and shipping to local grocery stores, according to Jekel, who will chair the seminar.

Among the speakers is John Gallaher, Hill Phoenix Inc., Conyers, Ga., who will discuss ensuring safety of chickens during shipping.

“The shipping process is one of the most important steps in the cold chain,” he said. “Good design and application of the various equipment is required to keep poultry at safe temperatures to preserve product integrity and food safety until a customer removes the product from the food storage display fixture to take home.”

Tall Buildings Focus of ASHRAE Public Session

ATLANTA - As skyscrapers have risen in height and sophistication since the first one was constructed in Chicago more than 100 years ago, so have concerns about their design and safety.

“Buildings taller than 300 feet pose unique design challenges for all involved,” Peter Simmonds, Ph.D., IBE Consulting Engineers, Sherman Oaks, Calif., said. “To meet these challenges, a collaborative design approach that integrates architectural, mechanical and electrical design elements is needed to produce a fully functioning highly productive building.”

That design approach will be highlighted in a free public session at ASHRAE's 2006 Winter Meeting, Jan. 21-25, Chicago. Integrated Design of Tall Buildings will be held from 3-5 p.m. Jan. 23, at McCormick Place.

One area to be addressed is fire safety challenges based on lessons learned since Sept. 11, 2001. The need for exit plans, smoke control, fire suppression and emergency communications will be discussed, along with how building security impacts exit plans, according to Simmonds, who will chair the session.

Speakers are:

- Dan Jenkins, principal, The John Buck Co., Chicago, will present challenges in developing energy efficient and sustainable buildings.
- Peter Ruggiero, AIA, design partner, Skidmore, Owings and Merrill, Chicago, will discuss problems and solutions associated with integrating all disciplines into design.
- Ron Klemencic, president, Magnusson Klemencic Associates, Seattle, will discuss supporting buildings in non-seismic and seismic zones.
- Reg Monteyne, senior vice president, Flack + Kurtz Inc., San Francisco, will discuss the building services systems, including system choice, energy requirements and distribution systems.
- William A. Webb, project director, Schirmer Engineering Corp., Chicago, will discuss designing fire and life safety systems for tall buildings.

Held with the ASHRAE Winter Meeting is the ASHRAE co-sponsored International Air-Conditioning, Heating, Refrigerating Exposition, Jan. 23-25, at McCormick Place. For more information, contact International Exposition Company at 203-221-9232, info@ahrexpo.com, www.ahrexpo.com.

AHR / ASHRAE Show

CHICAGO – January 23-25, 2006 McCormick Place. Come and visit the world's largest HVAC&R event. Visit <http://www.ahrexpo.com> for more details.

To: <http://www.swflashrae.org/>

Statements made in this publication are not expression of the Society

Solid Waste Energy Plant Tour

PLANT TOUR

Come tour this unique power plant. Using extreme temperatures, solid wastes (trash) is incinerated and the released heat of combustion harvested to generate electrical power. Using a system of 25 similar power plants in Florida, Covanta Corporation processes over 30,000 tons of waste *per day* and converts it to 565 megawatts of electricity (enough to power 800,000 homes). This saves an estimated 1 million barrels per year of oil and reduces landfill space by 12,500 square feet per year. Tour is open to ASHRAE members and guests. This is a good event to invite electrical engineers to.

THE DATE HAS MOVED: this tour will become an extended lunch meeting on Wednesday February 22, 2005. Lunch at a nearby restaurant (TBA) then a 1:30 tour.

To signup email your name, phone number, and number of people to guy@pelicanengineering.com.

Guy Van Meulebrouck PE
Consulting Engineer
guyvanm@comcast.net

STOP THE MOISTURE, STOP THE MOLD!

AIR CONDITIONERS ONLY A FINGER IN THE DIKE

Mold generally won't grow without water. If you can keep your building dry, you probably won't have to worry too much about mold. Air conditioners can remove water, but they're only a finger in the dike if the building enclosure can't keep out water. A group of Ft. Myers area air conditioning engineers has organized a seminar on the Building Envelope and on preventing moisture.

The SW Florida Chapter of ASHRAE, the HVAC engineer's technical society, will be conducting their 8th annual Building Envelope Seminar on February 10, 2006 at the Holiday Inn Bell Tower in Fort Myers. This series of seminars began in 1998.

DR. JOSEPH LSTIBUREK TO CONDUCT SEMINAR

As in past years, the presenter will be Dr. Joseph Lstiburek, the preeminent North American authority on building science—keeping heat, air, radiation, and moisture out of buildings and protecting building materials from water-damage. He did a study last year for the Florida Home Builder's Association on water-intrusion resulting from the four 2004 hurricanes.

This is a one-day program for architects, builders, and building officials created by air conditioning engineers. HVAC contractors and suppliers that have an interest in indoor air quality and preventing or remediating mold will also find it interesting.

VENTING ATTICS AND CRAWL SPACES: A BAD IDEA

Over the years, the seminar has covered vented attics, crawl spaces, walls, windows, and moisture intrusion in-general. This year they start the cycle all over again with an overview of the Building Envelope—KEEPING THE INSIDE IN AND THE OUTSIDE OUT—an update on the state-of-the art, based upon research completed in the last 10 years.

If you want to know what's new in the world of claddings, wraps, insulation, moisture retarders, and ventilation; not to mention those 21st Century building materials, wood, masonry, concrete, and stucco; if you are interested in knowing more about sealed vs. vented attics, or foam attic insulation; or you want to hear about changes in the 2004 Florida Building Code regarding attic venting requirements; this might be a good seminar to attend.

FEE AND CONTINUING EDUCATION CREDITS

The fee will be \$175 per person. Continuing Education credit will be offered, but CEU details were not available at press time. See the seminar brochure for more information. Contact committee chair Andrew C. Ask, P.E., 239-980-0028, aaskpe@swfla.rr.com, for more information.

To: <http://www.swflashrae.org/>

ASHRAE 2005-06 Chapter Meeting Dates

To: <http://www.swflashrae.org/>

Meeting Date	Program	Speaker / Representative	Location
Sep. 14, 2005	Thermographs and it's Application to HVAC	Jim Thompson	Bogert's Chop House
Oct. 12, 2005	ASHRAE 62-01 ADDENDA "N"	Charlie Waddell	Bogert's Chop House
Oct, 2005	Golftoberfest	Jason Grabowski	TBA
Nov. 9, 2005	Air Conditioning Systems in Hospitals & Critical Health Care	Essam Eldin Khalil, Ph.D	Bogert's Chop House
Dec. 9, 2005	Everblades Hockey Game and Dinner		Germain Arena
Jan. 11, 2006	Ammonia/Carbon Dioxide Hybrids Systems	Will Stoecker, Ph.D	Victorian Supper House (Formerly Bogert's Chop House)
Feb 24 2006	Solid Waste Energy Plant Tour	Guy Van Meulebrouck 3:00PM	Solid Waste Energy Plant
Mar. 8, 2006	Mold Litigation	Mike Green	Victorian Supper House (Formerly Bogert's Chop House)
Apr. 12, 2006	TBA		TBA
May, 2006	8th Annual Backwater Fishing Tournament	Dean Sanders/ Keith Enwright	TBA
May 10, 2006	Improving Efficiency in K-12 Schools District Wide	Verie William	Victorian Supper House (Formerly Bogert's Chop House)
TBA – May	6th Annual 8-Ball Pool Tournament	Lisa Duritsch	Miscue Lounge
TBA - June	President's Party		TBA
Aug 2006	Region XII CRC	Done Pine	Sanibel Harbor Resort

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

Chapter Officers:

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

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

Vice President
Mike Myers
Ph. 239-275-4240

Treasurer
Sam Moreland
Ph. 239-278-1988

Secretary
Robert Lesnau
Ph. 239-275-4240

Chapter Board of Governors:

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

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

Gary Griffin
Ph. 239-332-4646

ASHRAE
1-800-527-4723

Chapter Committee Chairpersons:

Chapter Technology and Transfer Committee (CTTC)

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

Programs

Roger Coll
Ph. 239-275-6358

Technical, Energy, and Governmental Activities

Membership

Keith Enwright
Ph. 239-243-6811

Resource Promotion

Mike Myers

Ph. 239-275-4240

Chapter Committee Chairpersons:

News Letter Editor

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

Honors and Awards

Gary Griffin
Ph. 239-332-4646

Historian

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

Student Activities

Robert Lesnau
Ph. 239-275-4240