



# 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

November 2005

Volume 11 Issue 3



## ***PRESIDENT'S MESSAGE***

It is the desire and purpose of your Board of Governors to help the SW Florida Chapter of ASHRAE provide services that enhance your access to information and further the cause of our industry in our area. That is why people like Kurt Vega ask his company, Safronics, to sponsor our web page to the tune of \$600 to get us started and provide updating service for a year. That is why people like Lawrin Ellis and Lisa Duritsch reach out to Edison College to have input to what they teach and how we can participate in scholarships. That is why people like Brian Mumme, Jason Grabowski, and Mike Myers give of their productive time to work out details for the upcoming Golf Tournament on November 18<sup>th</sup> to raise funds for ASHRAE Research; that is why people like Don Pine take the responsibility of chairing the CRC program in Fort Myers next August. These are a few of the names. There are others that work to make our organization productive for us. There is room for more of you!

It is gratifying to me to see these and other efforts to make our chapter as productive as it is. We have excellent monthly programs lined up, several with CEU's; the Golf Tournament; an Envelope Seminar; a Fishing Tournament; a Pool Tournament; and the good fellowship we enjoy when we get together.

There are some opportunities for us that might modify what we do and why. Think about having an influence in the course structure at Edison College. We have been invited to have members serve on their Advisory Committee. Some have volunteered. Let me know if you have interest. Think about the possibility of the SW Fla chapter having an Endowment Scholarship Fund or a Named Endowed Scholarship Fund with our chapter name on it. Think about having your company's name on a short list for students looking for employment.

Also give serious consideration for your company to sponsor a hole in the upcoming Golf outing at Pelican Preserve and playing Golf for ASHRAE Research. If you can't play, come later and have dinner with us.

See you Wednesday, the 9<sup>th</sup> at Bogert's Chop House.

John Pennington, President SWFL ASHRAE Chapter

## ***NOVEMBER MEETING NOTICE***

### **Topic:**

**Building Air Leakage**

### **Guest Speaker:**

**Andrew C. Ask, P.E.**

### **Meeting Location:**

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

### **Date:**

**Wednesday November 9, 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!!**

email Mary Kay Gonzalez  
[fasteagle@aol.com](mailto:fasteagle@aol.com)  
[www.swflashrae.org](http://www.swflashrae.org)

**This Month's Topic:** Building Air Leakage

**Presented By:** Andrew C. Äsk, P.E.



Due to the unexpected illness of Dr. Kahlil, our very own Andy Äsk has agreed to pinch hit Mr. Äsk is a consulting engineer located in Cape Coral. He specializes in diagnosing, remediating, and retrofitting existing HVAC systems for the purpose of improving performance, energy utilization, and Indoor Air Quality, work which now extends to evaluating Building Envelopes. He also does MEP design work, and writes occasionally for trade publications. His 40 year career has included working as an equipment salesman, contractor, and, for the last 20 years, a consultant. Mr. Äsk is a graduate of Iowa State University with a Bachelor of Science in Engineering Operations, and Akron University School of Law with a Juris Doctor degree.

Mr. Äsk will be speaking on "Building Air Leakage," and the talk will be based upon an article he wrote for ASHRAE Journal in November of 2003.

Buildings leak water and air, which is normal and unavoidable. The designer's goal should be to A) quantify the leakage, B) reduce the leakage if excessive, and C) control leakage by managing air pressures with the HVAC system.

**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](mailto: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 # \_\_\_\_\_



# SWFL ASHRAE #139 ANNUAL GOLFTOBERFEST



**FORMAT:** 4-Person Scramble with a Shotgun Start.

**PRIZES:** Low Scores, Longest Drive & Closest to the Pin, Door Prizes and a few Surprises!

**FOOD:** Pelican Preserve is offering a Banquet at the Awards Dinner in the Clubhouse, after the event.

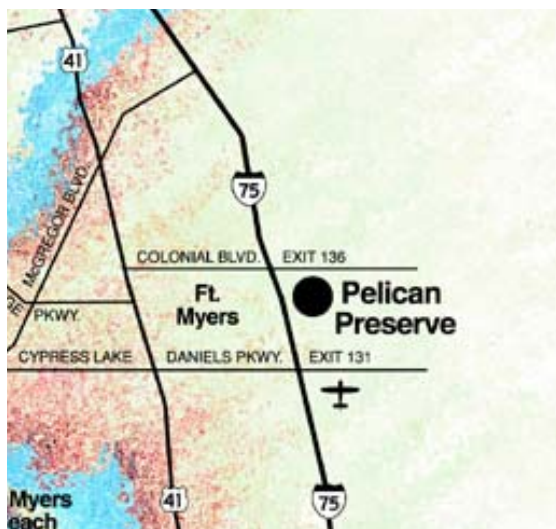
**DRESS CODE:** Shirts must have collars, shorts within 3" of knee. No denim. No spikes!

**TIME:** Registration @ NOON  
  
12:30 p.m. – Shotgun Start  
  
5:30 p.m. – Dinner & Awards

**ENTRY:** Please complete the following Registration Invoice. Send payment via mail to Brian F. Mumme (see registration form). Forms can be faxed to Brian by Nov. 11<sup>th</sup>, at (239) 332-5928. Please be sure to list all golfers in your foursome. Thank you!

THIS YEAR'S ASHRAE GOLF TOURNAMENT WILL BE HELD ON **FRIDAY, November 18th, 2005** BEGINNING WITH A 1:00 P.M. SHOTGUN START @ **Pelican Preserve Golf & Country Club 10662 Pelican Preserve Fort Myers, FL 33913**  
  
**(239) 985-1706**

**GOLF CHAIR: Brian F. Mumme**  
Phone: (239) 332-4646  
Fax: (239) 332-5928  
bmumme@bandicontractors.com



### DIRECTIONS TO THE COURSE:

**10662 Pelican Preserve  
Fort Myers, FL 33913**

Exit East from I-75 on Colonial Blvd. Proceed East for 1 mile. Enter at main gate on the right. Proceed for 1 mile. and turn left. Turn left at first intersection.



This event benefits **ASHRAE Resource**, which funds ASHRAE Research and Education.



**SWFL ASHRAE #139**  
 ANNUAL  
**GOLFTOBERFEST**  
**November 18<sup>th</sup>, 2005**



**REGISTRATION FORM**

**FEE: \$80.00 Entry Fee** Per Golfer which includes Green Fees, 2 Drink Tickets, Cart, "Goodie Bag", and Dinner

**\$25.00** Dinner Only

PLEASE LIST YOUR FOURSOME:

- 1) \_\_\_\_\_ 2) \_\_\_\_\_  
 3) \_\_\_\_\_ 4) \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
 \_\_\_\_\_

Contact Name: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Phone & Fax: \_\_\_\_\_

<b>Qty.</b>	<b>Description</b>	<b>Each</b>	<b>Amount</b>
	Golf & Dinner	\$80.00	
	Dinner ONLY	\$25.00	
	Hole Sponsorship	\$150.00	
	Other Donation		
	<b>TOTAL AMOUNT</b>	<b>\$</b>	

Remit **Completed Form & Payment** to: ASHRAE SWFL Chapter #139  
 C/O Brian F. Mumme  
 2701 Prince Street  
 Fort Myers FL 33916

## Donor Recognition Meeting

This month's meeting will include ASHRAE Coin Awards to our Research Donors.

The following individual and/or companies are being recognized for their support of ASHRAE Research through our Chapter:

Robert Risley  
York International – Ft. Lauderdale  
Vickery & Company  
Krueger CAM  
Jason Grabowski  
William Malphus  
Randall Charles-James Saul  
Dennis Holland  
Kathy Schmitt  
John Pennington  
Taylor Bodkin  
Applied Dehumidification Inc.  
Carroll Air Systems Inc. – Tampa

The Southwest Florida ASHRAE Chapter wishes to thank you for your support and we look forward to your continued support.

Michael Myers  
2005-2006 Vice-President, Research Promotions  
Chair

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## Membership News

Fellow ASHRAE Members,

I would like to take this opportunity to announce that this month's chapter meeting has been designated as the first of two "Membership Promotion Nights". This is a very special event that is intended to encourage the recruitment of potential new members to become a part of our very important organization. It is hopeful that each of you will invite a guest, or guests, to attend our monthly chapter meeting and introduce them to the many benefits of ASHRAE membership. If any of you know of anyone within our industry who is not currently a member, please offer them an invitation to attend as your guest(s).

Please do not hesitate to inform your guests' of the many benefits that they can realize as a member of our organization, which include the following:

- ASHRAE handbooks

- ASHRAE Bookstore discounts
- Career services
- Industry networking
- Industry knowledge
- Members only web site ([www.ashrae.org](http://www.ashrae.org))
- Free management training by ASHRAE
- Minimal cost training by ASHRAE
- Marketing opportunities
- Access to industry leaders
- Local connections
- Free leadership experience

Please help our chapter by inviting anyone you know, who may be a potential member, as your guest(s), to attend our meeting and benefit from a membership within our organization.

I would also like to say congratulations and/or welcome to the following people with respect to their membership status:

- Lannie R. Farmer – Matern Professional Engineering – Transferred in as Regular Member
- Irv Kraut – Clean Air Inspections – New Associate Member
- Michael E. Myers – TLC Engineering for Architecture – Grade Advancement from Associate Member to Regular Member

It is with great sincerity that we say farewell to the following members:

- Keith A. Nesbitt – Transferred out as a Life Member

Sincerely,

Keith Enwright  
Membership Promotion

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## Historian

Officers of the Southwest Florida ASHRAE Chapter met with representatives of Edison College on Tuesday, November 2, to discuss partnership opportunities, ranging from serving on the school's technical studies advisory committee to contributing to a scholarship fund, or, more ambitiously, to gifting a perpetual endowed chair or instructional fund. Southwest Florida ASHRAE Chapter representatives included Chapter President John Pennington, Past Chapter President Lisa Duritsch, and Chapter

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

Historian Lawrin Ellis. Representatives from Edison College included Robert R. Jones, District Executive Vice President/President, Lee Campus, and William R. Roshon, District Dean of Instruction for Professional and Technical Studies. *The meeting was facilitated by Richard G. Lewis, II, of HSA Engineers and Scientists.* The impetus for the meeting arose from board discussions on ways to utilize the pool tournament funds to support the local HVAC industry through education. The outcome of the meeting was overwhelmingly positive, making it clear that the chapter can effectively contribute to Edison College, ASHRAE, and the local industry at large. Another meeting for additional discussion is tentatively scheduled for early December followed by a presentation and Q/A session with Edison College representatives during the regular chapter meeting on January 11, 2006. Make plans to attend, consider opportunities, and offer input.

Lawrin Ellis Historian

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## CEU Update

The upcoming November 9 and January 11 meetings feature ASHRAE Distinguished Lecturers. Engineering CEUs will be provided for both meetings. The Southwest Florida ASHRAE Chapter is a recognized engineering CEU provider. The Chapter is also applying for Contractor CEU provider status. Please reference the newsletter for provider status updates and upcoming approved courses. Also, please forward this and future information to associates and contacts within the industry trades. Those interested in receiving the newsletter directly via e-mail may contact Kurt Vega at [kvega@Saftronics.com](mailto:kvega@Saftronics.com).

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## News from Society

### ASHRAE Releases Proposed Cabin Air Standard for Public Comment

ATLANTA – A proposed standard that will define air quality and comfort levels on airplanes has moved one step closer to publication.

ASHRAE's proposed standard 161P, Air Quality within Commercial Aircraft, is open for public comment until Nov. 7, 2005.

Also open for review until that date is the proposed companion guideline to the standard, Guideline 28P, Air Quality Within Commercial Aircraft. It provides supplemental information on air quality in air-carrier aircraft and on measurement and testing related to aircraft air quality.

The proposed standard would apply to commercial passenger air-carrier aircraft carrying 20 or more passengers. It is intended to apply to all phases of flight operations and to ground operations whenever the aircraft is occupied by passengers or crew members.

No such standard encompassing ventilation, thermal comfort and filtration currently exists for aircraft.

"The environment aboard commercial aircraft is different than that found in other spaces commonly occupied by people," Byron Jones, Ph.D., chair of the 161 committee, said. "While aircraft are operated with the comfort of passengers and crew in mind, their safety and health must always be paramount."

Among the reasons aircraft cabin environments are unique are occupant activity levels range from almost completely sedentary (passengers) to active (flight attendants); passengers and crew make up a wide cross section of the general population; and aircraft must be regarded as both a public place (passengers) and a workplace (crew).

The proposed standard requires a minimum total air supply of 15 cubic feet per minute (cfm) and recommends 20 cfm per person. The requirement may be met with a mixture of outside air and filtered recirculated air or with 100 percent outside air. A minimum of 7.5 cfm per person of outside air is required.

In addition to ventilation requirements, the proposed standard addresses supply air quality and control and monitoring of contaminants to further ensure satisfactory air quality is maintained, according to Jones. Requirements for comfort factors, such as rate of change of cabin pressure, air temperatures and surface temperatures, and minimum and maximum air velocities, also are included.

An informative appendix supplements the requirements of the standard with background information on a variety of potential air contaminants, methods of measurements, references to standards and guidelines of allowable levels, and data for levels measured on aircraft.

Drafts of ASHRAE's proposed standards and guidelines are available only during their related public review periods. To obtain electronic draft versions of the Standard 161P or Guideline 28 during the comment periods, log on to ASHRAE Online at [www.ashrae.org/standards](http://www.ashrae.org/standards).

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

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## Bogert's Chop House Sold

Bogert's Chop House has been sold. The new name is "**Victorian Supper Room**". Ame is the office manager. They have agreed to keep our meal prices and menu the same. They are looking forward to our commitment for next year with the same terms.

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## Solid Waste Energy Plant Tour

Working with our program director, I have booked a tour of the Solid Waste Energy Plant for February 24th at 3:00pm. Dinner afterwards is optional (maybe a beer too). The tour will cater slightly to engineers and take 2 hours.

This facility, in case you are not familiar with it, burns solid waste at extreme temperatures and utilizes that heat of combustion to produce electricity.

This trip will be a great opportunity to invite all the local electrical engineers and maybe some architects who are interested in Green Buildings.

This tour is also available in the evenings, by special request. 50 people is the requested maximum per tour (we can always book a 2nd tour simultaneously or afterwards).

Guy Van Meulebrouck PE  
Consulting Engineer  
[guyvanm@comcast.net](mailto:guyvanm@comcast.net)

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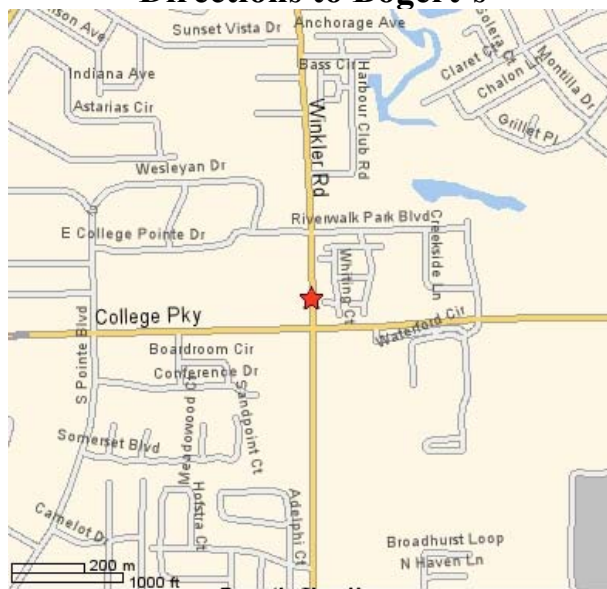
## Call for Articles

Please feel free at any time to submit articles or items of interest to the Southwest Florida chapter for this newsletter for publication. If you have any additions, changes, deletions or corrections to the newsletter, please let me know.

Contact Kurt Vega @ 239-693-7200 X 218  
Email [kvega@saftronics.com](mailto:kvega@saftronics.com)

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## Directions to Bogert's



**Bogert's Chop House**  
5990 Winkler Rd Fort Myers FL 33919 (239) 590-6772

## ASHRAE 2005-06 Chapter Meeting Dates

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 Hybris Systems	Will Stoecker, Ph.D	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 Ltigation	Mike Green	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	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

<p><b>Chapter Officers:</b></p> <p><b>President</b> John Pennington Ph. 941-627-8881 ext. 215 Fax. 941-743-9475</p> <p><b>President Elect</b> Kurt Vega Ph. 239-693-7200 ext. 218 Fax. 239-693-2431</p> <p><b>Vice President</b> Mike Myers Ph. 239-275-4240</p> <p><b>Treasurer</b> Sam Moreland Ph. 239-278-1988</p> <p><b>Secretary</b> Robert Lesnau Ph. 239-275-4240</p>	<p>Fax. 239-694-4633</p> <p><b>Mark Brant</b> Ph. 239-939-9098 Fax. 239-939-9038</p> <p><b>Gary Griffin</b> Ph. 239-332-4646</p> <p><b>ASHRAE</b> 1-800-527-4723</p>	<p><b>Chapter Committee Chairpersons:</b></p> <p><b>Chapter Technology and Transfer Committee (CTTC)</b> Randy Munsey Ph. 239-997-5100 Fax. 239-997-5101 Email: rmunsey@airsourcecorp.com</p> <p><b>Programs</b> Roger Coll Ph. 239-275-6358</p> <p><b>Technical, Energy, and Governmental Activities</b></p> <p><b>Membership</b> Keith Enwright Ph. 239-243-6811</p> <p><b>Resource Promotion</b> Mike Myers Ph. 239-275-4240</p>	<p><b>News Letter Editor</b> Kurt Vega Ph. 239-693-7200 ext. 218 Fax. 239-693-2431</p> <p><b>Honors and Awards</b> Gary Griffin Ph. 239-332-4646</p> <p><b>Historian</b> Lawrin Ellis Ph. 239-936-4003 Fax. 239-936-0819</p> <p><b>Student Activities</b> Robert Lesnau Ph. 239-275-4240</p>
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**Chapter Board of Governors:**

Guy Van Meulebrouck  
Ph. 239-693-6120

**Chapter Committee Chairpersons:**