



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

September 2003

Volume 9 Issue 1

PRESIDENT'S MESSAGE

After another long and hot summer, it is time for fall to begin. For most of the country, this would mean the leaves change colors, students return to school, long vacations come to an end and of course, COLLEGE AND PROFESSIONAL FOOTBALL SEASONS BEGIN. However, for those of us in the HVAC industry, it also signifies the beginning of ASHRAE 2003-04; the time for ASHRAE events and camaraderie among our peers has begun again.

As this year's President for our local ASHRAE chapter, it is my pleasure to welcome you to yet another great year. Once again, we have our annual golf tournament, ice hockey game, building envelope seminar, and fishing and pool tournaments scheduled. In addition, we have a couple new events already in the works. We are looking forward to a joint meeting with the local A.I.A. group in October at which a speaker from N.A.S.A. will discuss the space station. Also, we have planned a trip to the CH Motorcars facility to tour the ice storage plant and historic motor car museum.

I know that everyone is busy with day to day work and personal issues. However, each year our chapter's success stems from the participation and involvement of every member. Once again our chapter's contribution to research promotion for society is unequalled in the region. My personal challenge to each and every one of you is to find your niche to see where you can help in the chapter development and membership growth. Whether this is through promoting employee development and chapter involvement, working as a chapter chairperson, mentoring of other members or financial support for events, I know that we all are influential in the success of this chapter. I hope to be inspirational to each and every one of you in making this chapter the best chapter in the region.

As President, I hope to encourage increased membership, research donations, student involvement, and attendance at all of our meetings and events through exceptional programs and increased committee involvement within the chapter.

If anyone has any comments or ideas to ensure a successful year and future of this chapter, it would be my pleasure to hear your suggestions. Feel free to call or email me with any of your ideas.

Mark Brant, President SWFL ASHRAE Chapter

SEPTEMBER MEETING NOTICE

Topic:

Bio-Terrorism Preparedness of Lee and Collier Counties;

Smallpox - The Whole Picture

Guest Speaker:

**Mrs. Rebecca Malphus,
BSN RN CIC**

Meeting Location:

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

Date:

Wednesday, September 10, 2003

Time:

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

Cost:

\$25.00 per member.

Reservations are a must!!

Call Mary Kay Gonzalez
239-939-9098

This Month's Topic: Bio-Terrorism Preparedness of Lee and Collier Counties; Small Pox – The Whole Picture

Presented By: Mrs. Rebecca Malphus, BSN RN CIC

Rebecca Malphus, BSN RN CIC, is an Infection Control Nurse for Naples Community Health Care Systems and works hand in hand with the Collier County Health Department. The topic of her presentation is "Smallpox – The Whole Picture", in which she will elaborate on the precautions and steps needed to counteract bio-terrorism acts more likely to occur in our area.

Please join us in welcoming Rebecca as our first speaker of the 2003-04 season of the Southwest Florida Chapter. We look forward to seeing each and every one of you Wednesday night to start this new season with record attendance.

**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

**Please help us update the ASHRAE
mailing list**

Email to Misty Robbins at mistirobin@aol.com, call 239-633-5983 or mail to:

Mark Brant
1620 Medical Lane
Fort Myers, FL 33907
239-939-9098

Please include the following:

Name: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

Membership # _____

MEMBERSHIP

Greetings to all! First, I would like to thank all those who became new members of ASHRAE Southwest Florida Chapter during my tenure as membership chair during 2002-03. I would like to personally welcome these new members:

Dana Bousum	J.E. Gonzalez & Associates
Ken Bowen	Burch Corporation
Gregory Clements	Tilden Lobnitz Cooper Engineering
George Dahlke	Charlotte County BCC
Charles Spelman	Commair S.E.

Second, I would like to thank those of you who continue to renew your membership to ASHRAE and your participation in the chapter in whatever capacity, be it holding an office, helping with the many "FUN"d raising events, or your attendance of the monthly meetings. Fortunately but yet unfortunately, the names are so many we cannot list all of you individually.

This year, the chapter and I would like to see a substantial increase of new members. If there is someone in your office, someone you know, someone whom you think would benefit or benefit from the chapter and society, give them a reason to meet with the best engineers, contractors and sales people in Southwest Florida once a month... have them contact myself:

Kurt Vega
Membership Promotion Chair of Southwest Florida Chapter
Ph: 800-533-0031 ext. 218
Fax: 800-226-1461
Email: kvega@saftronics.com

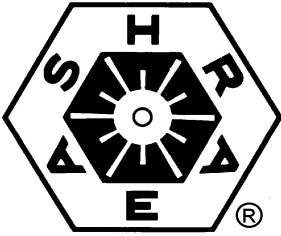
Just a note: people whom you would not necessarily consider for membership: i.e., Attorneys, hospital personnel, etc. are exactly the individuals we want to consider.

Additionally, I will be looking for someone to nominate for the position of Membership Chair for next year (2004-05). If you are interested and would like to get a head start on what is required of this position, please contact me for further explanation of what is required.

Looking forward to a "GREAT" year within ASHRAE.

Kurt Vega
Membership Promotion Chair





SWFL ASHRAE #139 ANNUAL GOLFTOBERFEST



THIS YEAR'S ASHRAE GOLF TOURNAMENT WILL BE HELD ON **FRIDAY, OCTOBER 17, 2003** BEGINNING WITH A 1:00 P.M. SHOTGUN START @

Heritage Palms Golf & Country Club
10420 Washingtonia Palm Way
Fort Myers, Florida 33912
(239) 278-9090

GOLF CHAIR: Misty Robbins
(239) 633-5983
mistirobin@aol.com

FORMAT: 4-Person Scramble with a Shotgun Start

PRIZES: Low Scores, Hole in One, Longest Drive, Closest to the Pin, many Door Prizes and a few other Surprises!

FOOD: Heritage Palms is offering a nice Banquet at the Awards Dinner in the Clubhouse after the event.

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

TIME: 12:00 p.m. – Registration
1:00 p.m. – Shotgun Start
5:30 p.m. – Dinner & Awards

ENTRY: Please complete the following Registration Invoice. Send it via e-mail to Misty Robbins at mistirobin@aol.com with your check. Please be sure to list all golfers in your foursome. Thank you!

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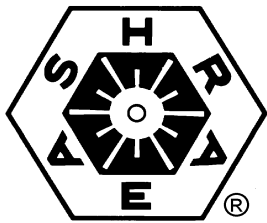
DIRECTIONS TO THE COURSE:

10420 Washingtonia Palm Way
Fort Myers , FL 33912

Located on Ben C Pratt Six Mile Cypress Parkway in Fort Myers, just south of Colonial Boulevard (I-75, Exit 136).



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



SWFL ASHRAE #139
ANNUAL
GOLFTOBERFEST
October 17, 2003



REGISTRATION FORM

FEE: **\$75.00 Entry Fee** Per Golfer which includes Green Fees, Cart and Dinner.

\$25.00 Dinner Only

*Please be sure to tip bag boys and the cart girls.

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PLEASE LIST YOUR FOURSOME:

1) _____ 2) _____

3) _____ 4) _____

Company Name: _____

Address: _____

Contact Name: _____

E-mail Address: _____

Phone & Fax: _____

Qty.	Description	Each	Amount
	Golf & Dinner	\$75.00	
	Dinner ONLY	\$25.00	
	Hole Sponsorship	\$150.00	
	Other Donation		
	TOTAL AMOUNT	\$	

Remit **Completed Form & Payment** to: ASHRAE SWFL Chapter #139
c/o Guy VanMeulebrouck, P.E. Treasurer
12320 River Road
Fort Myers, Florida 33905
PH: 239-693-6120

HVAC&R research for the 21st Century

Four years ago, American Refrigeration Institute spearheaded a new not-for-profit research organization to research areas in HVAC&R. The product of this endeavor is the Air-Conditioning and Refrigeration Technology Institute (ARTI) located on the web www.arti-21cr.org. 21CR in the web refers to the Twenty-First Century Research initiative which is outlined on their site as "a private-public sector research collaboration of the heating, ventilation, air-conditioning and refrigeration industry, with the mission to identify, prioritize, and undertake pre-competitive research that focuses on decreasing energy consumption, increasing indoor environmental quality and safeguarding the environment".

The organization sponsors research and posts, for public dissemination (i.e. free), the results. Current projects include a 200-page report on building commissioning, under-floor air distribution systems, evaluation of refrigerant air conditioning units in controlling humidity levels, and potential benefits of smart refrigerant distributors.

Energy Efficiency and the Grid

After the North East blackout, the flurry of discussion about the causes and possible remediations not only included upgrading the aging distribution system and improving critical communications, but also focused on energy efficiency. Considering that this crisis occurred during the head of summer, it would follow that implications to the Air Conditioning industry would be pronounced. One may want to keep an eye on the current energy bill that is being written on the hill and a push by states as well to bring back such programs as demand side management. For those of you with a morbid sense of curiosity, here is one account of what happened found on the UtiliPoint newsletter.

2 p.m. - FirstEnergy's Eastlake Unit 5, a 680-megawatt coal generation plant in Eastlake, Ohio, trips off. On a hot summer afternoon, "that wasn't a unique event in and of itself," said Mr. DiNicola. "We had some transmission lines out of service and the Eastlake system tripped out of service, but we didn't have any outages related to those events."

3:06 p.m. - FirstEnergy's Chamberlain-Harding power transmission line, a 345-kilovolt power line in northeastern Ohio, trips. The company hasn't reported a cause, but the outage put extra strain on FirstEnergy's Hanna-Juniper line, the next to go dark.

3:32 p.m. - Extra power coursing through FirstEnergy's Hanna-Juniper 345-kilovolt line heats the wires, causing them to sag into a tree and trip.

3:41 p.m. - An overload on First Energy's Star-South Canton 345-kilovolt line trips a breaker at the Star switching station, where FirstEnergy's grid interconnects with a neighboring grid owned by the American Electric Power Co. AEP's Star station also is in northeastern Ohio.

3:46 p.m. - AEP's 345-kilovolt Tidd-Canton Control transmission line also trips where it interconnects with FirstEnergy's grid, at AEP's connection station in Canton.

4:06 p.m. - FirstEnergy's Sammis-Star 345-kilovolt line, also in northeast Ohio, trips, then reconnects.

4:08 p.m. - Utilities in Canada and the eastern United States see wild power swings. "It was a hopscotch event, not a big cascading domino effect," said Sean O'Leary, chief executive of Genscape, a company that monitors electric transmissions.

4:09 p.m. - The already lowered voltage coursing to customers of Cleveland Public Power, inside the city of Cleveland, plummets to zero. "It was like taking a light switch and turning it off," said Jim Majer, commissioner of Cleveland Public Power. "It was like a heart attack. It went straight down from 300 megawatts to zero."

4:10 to 4:25 p.m. - Power plants and high-voltage electric transmission lines in Ohio, Michigan, New York, New Jersey, and Ontario shut down.

More than 100 power plants, including 22 nuclear reactors in the United States and Canada, were shut down to protect them from damage that could have come from power surges. Most of the shutdowns occurred by safety systems that were automatically deployed.

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. 12, 2003	Ice Hockey: Everblades vs. Greenville		TECO Arena
Jan. 14, 2004	C.H. Motorcar Museum Tour of Ice Storage and historic cars	George Scott and Staff	C.H. Motorcar Museum Frascoti's Italian Restaurant
Feb. 12, 2004	Florida Solar Energy Center		Bogert's Chop House
March 10, 2004	Refrigeration Phase Out		Bogert's Chop House
April 14, 2004	Indoor Air Quality – Owner's Perspective	Skip Camp	Bogert's Chop House
TBA – April	7 th Annual Backwater Fishing Tournament	Don Pine	Cape Coral Yacht Club
May 12, 2004	To Be Announced		Bogart's Chop House
TBA – May	4 th Annual 8-Ball Pool Tournament	Lisa Duritsch	Miscue Lounge
June 11, 2004	President's Party	Mark Brant	TBA

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

Chapter Officers:

President

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

President Elect

Guy VanMulenbrock
Ph. 239-693-6120
Fax. 239-694-4633

Vice President

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

Treasurer

Guy VanMulenbrock
Ph. 239-693-6120
Fax. 239-694-46388

Secretary

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

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
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Fax. 941-743-9475

Technical, Energy, and Governmental Activities

John Trowbridge
Email. johntrowbridge@shellpoint.org

Membership

Kurt Vega
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Fax. 239-693-2431

Research

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

Chapter Committee Chairpersons:

Misty Robbins

Ph. 239-633-5983
Email. mistirobin@aol.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

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