



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 2006

Volume 11 Issue 8



PRESIDENT'S MESSAGE

One of the Chapter Officer's jobs is to help track our activity at the Society level. That system is PAOE (Presidential Award of Excellence). The most recent status is: SW Florida Chapter is 9th in size; 3rd overall in points; 1st in Research Promotion with no one close; 2nd in Membership; 2nd in Chapter Operations; and 4th in Chapter Technology Transfer, which is Programs, Refrigeration, and TEGA. Congratulations to all for working hard and getting these kinds of results. And we are done yet!

We have had good reports on our new meeting location in the Magnolia Room at Pelican Preserve. The meals were good, and enjoyed by all. Our last meeting was split with an afternoon session with Dr. Khalil from Cairo University. His topic was A/C in Hospitals and Critical Healthcare Systems, and his evening topic was Ventilation of the Pyramids! He was a good speaker and all enjoyed the sessions.

Our Webmaster, Kurt Vega continues to update and hone our site. Please check it regularly for the latest activities. Remember you can use it to make your meeting reservations and pay by credit card if you wish.

CRC 2006 plans are continuing. A significant meeting was held to coordinate the "who does what" stuff and things are on the move. This is a big job and more volunteers are needed. Please contact Don Pine to find out what he needs and where you can participate.

Our Ad hoc committee is working on accumulating information to work with Edison College. We are working toward development of course work to introduce students to the HVAC world. The college is very interested in helping us develop this program. More as it develops.

April is a busy month for our chapter. Our regular meeting is April 12 at the Magnolia Room in Pelican Preserve. We have a Satellite broadcast on April 20 and a pool tournament on April 21. Please make note of these dates and check elsewhere in this paper for more details.

We have been looking at have a seminar type presentation on the latest revisions to Standard 60.2 2004 with a local expert. Please keep an eye out for further information.

See you on the 12th.

John Pennington, President SWFL ASHRAE Chapter

APRIL MEETING NOTICE

Topic:

Properties of Glycol and Glycol Management Systems

Guest Speaker:

Bob Wegman - Calmac

Meeting Location:

Magnolia Room
Town Center at Pelican Preserve
(just off Colonial Blvd.)



Date:

Wednesday April 12, 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 member.

Reservations are a must!!

email Mary Kay Gonzalez
fasteagle@aol.com
www.swflashrae.org

This Month's Topic:

Properties of Glycol and Glycol Management Systems

Presented By:

Bob Wegman - Calmac

Topics Covered will Include:

- Pumping Characteristics
- Maintenance long and Short Term
- Propylene vs. Ethylene
- Glycol with inhibitors and without

Bob worked for the School Board of Sarasota County for many years. He currently works for Calmac

**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 # _____

Membership News

Announcing Multi-Year Dues Payment Program!

Members can now pay for up to three years of membership or associate membership in one transaction and receive a 10% discount on the second or third year of payment. If you pay for two years of membership, you will get a **\$15 discount** off the total payment! If you pay for three years of membership, you will get a **\$30 discount** off the total payment! Please note that multiyear payments must be made by phone or mail. Chapter dues payments will be accepted at headquarters with society dues payments only if chapter payments are made in the same multiyear increments. For example, when a member pays two or three years of society dues, he or she will need to pay chapter dues at the same time to headquarters in the same two or three year increments. If the member prefers to pay chapter dues one year at a time when he or she pays multi-year society dues payments, he or she will need to pay the chapter directly.

Sincerely,

Keith Enwright
Membership Promotion Chair

CRC 2006

Plans and preparations are underway for what should prove to be a fantastic CRC this year August 17-19 at the Sanibel Harbour Resort and Spa

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Project Manager
United Mechanical, Inc.
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Fort Myers, FL 33912
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e-mail: dpine@umihvac.com

ASHRAE Names Three New Distinguished Lecturers

ATLANTA – Three new distinguished lecturers have been named by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

The Distinguished Lecturers Program provides ASHRAE chapters with noted authorities

who provide insight and speak on relevant topics that impact the HVAC&R industry.

The new lecturers and their areas of expertise are:

- Chandra Sekhar, Ph.D., associate professor and director of external relations, Department of Building, National University of Singapore – Ventilation, Indoor Air Quality (IAQ) and Energy Issues in Hot, Humid Climates – Past, Present and Future; Integrated IAQ and Energy Case Studies in the Tropics; and Decoupled Ventilation Strategies for Enhanced IAQ – Demand Cooling and Demand Ventilation.
- TL Chen, CEng, CEO, Primetech Engineers, Malaysia – A Selection of Common HVAC Design Problems for Hot and Humid Climate Application; Tracking the Progress of Designing for Energy Efficient and Sustainable Office Buildings in Hot and Humid Climates; Critical Review of the Objectives of Fire Engineering; and Fire and Life Safety Audit for the Building Industry.
- Charles Gullledge III, P.E., senior mechanical engineer, AC Corp., Greensboro, N.C. – MasterFormat 2004; and Integrated Building Design.

The new lecturers will serve a two-year term. There are 44 Distinguished Lecturers for 2006-07. ASHRAE has had a total of 72 lecturers since the program started in 1996-97.

ASHRAE Focuses on Future Growth with New Strategic Plan

ATLANTA – A new strategic plan adopted by ASHRAE will help move the Society toward fulfilling its vision of a better future.

“The new plan charts an exciting course for ASHRAE,” Lee Burgett, ASHRAE president, said. “It calls for an ASHRAE that addresses new global initiatives, provides better tools to its members and that is more well-known to the groups and individuals who depend on us for technical guidance.”

Changing technologies, rising energy prices and increased focus on sustainability have challenged ASHRAE to stay at the cutting edge of the field, according to Burgett. At the same time, competition has increased and ASHRAE must focus its efforts to ensure that its products and services are timely, relevant and appropriately positioned to serve the changing marketplace. The strategic plan will help the Society achieve this, he noted.

“The Board of Directors has planned a course for ASHRAE’s future,” Kent Peterson, chair of the Planning Committee, which lead development of the

process. “Our goal is to make the strategic directions and strategies included in the plan business-as-usual for our volunteers and staff. We are excited about the opportunities to continue to improve ASHRAE’s value to our membership and the HVAC&R industry.”

The plan can be found at www.ashrae.org/strategicplan. It contains four strategic directions where ASHRAE will focus its efforts over the next several years. They are:

- ASHRAE will lead the advancement of sustainable building design and operations.
- ASHRAE will be a world-class provider of education and certification programs.
- ASHRAE will position itself as premier provider of HVAC&R expertise.
- ASHRAE will be a global leader in the HVAC&R community.

To accomplish these strategic directions, several strategies are identified, including:

- Leading the drive toward the design, construction and operation of net-zero-energy buildings through research, publications and education.
- Developing the performance metrics and rating systems to certify operational performance of buildings for energy efficiency and indoor environmental quality.
- Collaborating with other organizations to integrate HVAC&R systems with other building systems to enhance the effectiveness of total building design and integrated practice.
- Providing accessible on-demand education and distance learning to members and other customers.
- Developing and promoting certification programs for the HVAC&R industry.

In addition, the plan contains an updated mission statement and vision for the Society.

“I am particularly pleased with the Society’s mission statement “to advance the arts and sciences of HVAC&R to serve humanity and promote a sustainable world,”” Burgett said. “When we get embroiled in details about our technology, this statement is a useful reminder that ASHRAE’s cumulative work product improves the quality of life for people around the world.”

Five BACnet Addenda Open for Public Review

ATLANTA – Five addenda to ASHRAE’s BACnet standard are available for public review until May 1.

ANSI/ASHRAE Standard 135-2004, BACnet® -- A Data Communication Protocol for Building Automation and Control Networks, allows building

equipment and systems manufactured by different companies to work together.

To obtain drafts of or comment on proposed addenda c, d, e, f and g, visit www.ashrae.org/standards.

The BACnet Web services proposed in addendum c would provide access to data in BACnet systems using standard PC desktop software vs. specialized drivers. They also are proposed for the communications between energy utilities and BACnet systems for demand limiting and real-time pricing.

Proposed addendum d contains a number of additions to the standard, foremost of which is the structured view object. This would provide a means for devices to present the relationships between objects and groups of objects, facilitating the development of standard profiles for devices such as VFD drives.

The load control object proposed in addendum e would provide a standardized means for external control over load shedding and is the first of several proposals from the utilities integration working group, working to connect the energy utilities with building automation systems.

Proposed addendum f includes the first of a series of new BACnet access control objects in development in the life safety and security working group. The access door object represents the physical characteristics of an access-controlled door and its associated physical hardware and devices, including door contacts, door locks and card readers. The work of this group is being done in conjunction with the Security Industries Association.

A new means for securing network communications would be provided through proposed addendum g. The proposed addendum draws on advances in encryption and authentication technologies, allowing two levels of access, with a general key for reading and writing basis system data, and application-specific keys plus authentication for connecting to critical systems including access control (security) and fire safety.

New Meeting Location!

Our Meeting location has changed, we will now be meeting at the Magnolia Room at Pelican Preserve.



Statements made in this publication are not expression of the Society

Trane will host the ASHRAE Video Conference at their office. Light refreshments provided.

SUSTAINABILITY AND THE BUILDING ENVIRONMENT SATELLITE BROADCAST/WEBCAST

**Wednesday, April 19, 2006
1:00 p.m. – 4:00 p.m. Eastern Daylight Time**



Information regarding building sustainability principles, practices, and emerging concepts will be presented in this free broadcast/webcast sponsored by the ASHRAE Chapter Technology Transfer Committee (CTTC).

How to Participate

- You may host a Satellite Broadcast site for your colleagues
- You may register to view the Broadcast at a site
- Or, you may register to view the Webcast on your PC

About the Presenters

Presenters will explore how we can better maximize the effective use of resources while minimizing the impact on the environment. Learn more about the presenters at <http://www.ashrae.org/greenbuildingsbroadcast>

PDH Credits

Earn two (2) Professional Development Hours (PDHs) or two (2) AIA Learning Units by completing the Participant Reaction Form following the broadcast/webcast.

Join ASHRAE Now and Save \$50!

Participants who are not currently ASHRAE members are cordially invited to join ASHRAE at a special introductory rate (\$50 discount) for the first year of membership. A special membership application will be available by request at membership@ashrae.org after March 1, 2006. [Click here](#) for information about ASHRAE member benefits.

To Register or For More Information

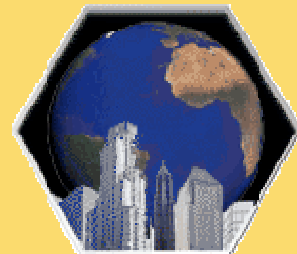
(There is no registration fee)

Online registration for Satellite Broadcast Site Coordinators and Webcast Participants will begin March 1, 2006, at <http://www.ashrae.org/greenbuildingsbroadcast>. Satellite broadcast participant registration will begin March 15, 2006.

If you have any questions, call us at 678-539-1139 or email us at CTTC-SatelliteBroadcast@ashrae.org.

Learn more about ASHRAE sustainability products and services at www.engineeringforsustainability.org.

You are receiving this email offer from ASHRAE because you are a member, or you purchased a product/service or subscribed on our web site. To avoid having these blocked by spam-blocking software, add bookstorehelp@ashrae.org to your address book today. To no longer receive our marketing emails, send a blank email to leave-satbcast-1554582X@listman.ashrae.org.



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Mike Myers and Brent Wolfe listen intently as Professor Khalil explains the finer points of critical ventilation systems

Professor Khalil explains energy efficiency in the surgical theatres.



Mary Kay Gonzales collects money for the dinner at our new location.





ASHRAE Southwest Florida Chapter's 6th Annual

8-Ball Pool Tournament

to benefit ASHRAE's Local Student Scholarship Fund

1st, 2nd and 3rd place purse

Single Elimination, single or double game depending on playing filed

Friday, April 21, 2006

Tournament Start 6:00 p.m.

At the

Miscue Lounge, 2011 Carrell Road, Ft. Myers

(corner of Cleveland Avenue and Carrell Road
across from the Ft. Myers Country Club Golf Course)

Entry Fee \$20.00

Table Sponsorship \$100.00

Name: _____

Company: _____

Phone: _____ Fax: _____

Please check one which best describes your pool shooting ability:

_____ Which end of the stick do I hold?

_____ Occasional player at Friday Happy Hour

_____ Played my way through college but haven't picked up a stick in 20 years.

_____ Funding my retirement through my pool winnings

_____ Table Sponsorship @ 100.00

Fax registration form to 239-332-8510

Please contact Lisa at 239-332-7244 if you have any questions



2006
ANNUAL BACKWATER FISHING TOURNAMENT

Hosted by:

**SOUTHWEST FLORIDA CHAPTER OF
A.S.H.R.A.E.**

Saturday May 13, 2006

TROPHIES will be awarded for:

BEST TEAM CATCH

(Two heaviest fish of each of the two species)

1st, 2nd & 3rd Place for heaviest Redfish

Entry Fee is \$65.00 per person

Paid entry includes:

- Entry to tournament*
- Tournament T-shirt*
- Awards dinner*
- Door Prize*

Families Welcome!

Dinner tickets can be purchased separately for \$25.00 each. Children under 12 years of age are \$10.00 each. Weigh-in and awards dinner will be held at RUMRUNNERS in Cape Coral.

A Mandatory Captain's Meeting will be held Thursday May 11, 2006 @ 7:00 PM at RUMRUNNERS in Cape Coral. One representative from each Team is required to attend to pick up rules, Tournament T-shirts and register your vessel!!!!

Please direct all questions to Dean Sanders (239) 936-4739 ext. 25

2006
ANNUAL BACKWATER FISHING TOURNAMENT
Hosted By:
Southwest Florida Chapter of A.S.H.R.A.E.

Tournament Rules

Thank you for entering the Annual Southwest Florida Backwater Fishing Tournament hosted by the Southwest Florida Chapter of ASHRAE. The festivities will begin this year on Thursday evening May 11, 2006 at RUMRUNNERS in Cape Coral. The Captains meeting begins at 7:00 PM, which will be a cash bar social. Appetizers will be provided. **One member from each fishing team is required to attend to register their boat and to pick up the tournament T-shirts and other information.** Xerox copies of navigation charts will be made available if needed.

Saturday morning May 13, 2006, you are free to start at anytime and from anywhere you would like. There is no formal check-in.

The weigh-in will be at RUMRUNNERS at 3:30 PM with a Buffet dinner starting at 4:00 PM. The awards, trophies, prizes and fishing gear raffle will be held during dinner. **All Anglers must be present to win!!!!!!**

Trophies will be awarded for:

Best Team Catch (two heaviest fish of each species)

1st, 2nd & 3rd place for heaviest Redfish

Only two fish apply to the above categories, Redfish and Trout. All other species caught do not qualify for the tournament. **All fish caught and kept during this tournament must comply with Florida saltwater fishing regulations.** Both artificial and live baits are allowed. All live fish must be produced at weigh-in for judges to certify.

Florida Saltwater Fishing Licenses are required!!!!

If you have not paid your entry fees and turned in your registration, please do so promptly.

All questions should be directed to Dean Sanders at (239) 936-4739 ext. 25

2006
ANNUAL BACKWATER FISHING TOURNAMENT

Hosted by:

SOUTHWEST FLORIDA CHAPTER OF A.S.H.R.A.E.
Saturday May 13, 2006

*This is your opportunity to participate in sponsoring the state's only A.S.H.R.A.E. **Backwater Fishing Tournament!** All prior backwater fishing events were a huge success. This year we anticipate an even bigger turnout. Please be of the first to join our **team** by **sponsoring** this event.*

All Proceeds will be contributed to
A.S.H.R.A.E.

Medallion sponsorship is as follows:

Bronze Medallion	\$100.00	<i>Company logo will be printed on T-shirt</i>
Silver Medallion	\$250.00	<i>Two paid entry fees, Company logo on T-shirt</i>
Gold medallion	\$500.00	<i>Two paid entry fees, Company Logo on T-shirt and special recognition</i>

The two paid entry fees can be transferred to anyone you wish.

Sponsorship Data

Company Name:

Address:

City/State/Zip:

Telephone/Fax:

E-mail:

Sponsor Level:

(Please Circle One)

Bronze (\$100)

Silver (\$250)

Gold (\$500)

Please make checks payable to: Southwest Florida A.S.H.R.A.E.

Sam Moreland, C/O Southwest Florida A.S.H.R.A.E

PO BOX 6892

Fort Myers, FL 33901

Phone (239) 278-1988, Fax (239) 278-5884

E-mail smoreland@tombarrow.com

A.S.H.R.A.E. is a non-profit organization with Group Tax Exempt Status

All Sponsorship forms and company logos must be sent in no later than April 29, 2005!!!!

2006
ANNUAL BACKWATER FISHING TOURNAMENT

Hosted By:

SOUTHWEST FLORIDA CHAPTER OF
A.S.H.R.A.E.

Saturday May 13, 2006

Official Entry Form

Captain Name _____ Shirt Size _____

Vessel Name _____

Vessel Make _____

Vessel Length _____

Vessel Color _____

ADDITIONAL TEAM MEMBERS

1. _____ Shirt Size _____
2. _____ Shirt Size _____
3. _____ Shirt Size _____

*I represent by my signature below that my crew and I will comply with the rules of the Annual Backwater Tournament. **We will comply with the guidelines established by the State of Florida pertaining to lengths and limits of fish.** I understand that I am responsible for my boat and crew at all times and that my vessel meets the minimum safety requirements set by the State of Florida. I hereby release the Southwest Florida Chapter of ASHRAE, its principals and affiliates from all liability.*

CAPTAIN SIGNATURE

DATE

Please return this completed form NO LATER THAN 05/07/06 to:

Sam Moreland, C/O Southwest Florida A.S.H.R.A.E.

PO BOX 6892

Fort Myers, FL 33901

Phone: (239) 278-1988, Fax: (239) 278-5884, e-mail: smoreland@tombarrow.com

!!Please make checks payable to Southwest Florida A.S.H.R.A.E.!!

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	Building Leakage	Andy Ask	Bogert's Chop House
Dec. 9, 2005	Everblades Hockey Game and Dinner		Germain Arena
Jan. 11, 2006	Ammonia/Carbon Dioxide Hybrid Systems	Will Stoecker, Ph.D	Bogert's Chop House
Feb 22 2006	Solid Waste Energy Plant Tour	Guy Van Meulebrouck 3:00PM	Solid Waste Energy Plant
Mar. 8, 2006	Air Conditioning Systems in Hospitals & Critical Health Care	Essam Eldin Khalil, Ph.D	Magnolia Room at Pelican Preserve
Apr. 12, 2006	Properties of Glycol and Glycol Management Systems	Bob Wegman	Magnolia Room at Pelican Preserve
Apr. 21,2006	6th Annual 8-Ball Pool Tournament	Lisa Duritsch	Miscue Lounge
May 10, 2006	Improving Efficiency in K-12 Schools District Wide	Verie William	Magnolia Room at Pelican Preserve
May 13,2006	8th Annual Backwater Fishing Tournament	Dean Sanders/ Keith Enwright	Rum Runners
TBA - June	President's Party		TBA
Aug 17-19,	Region XII CRC	Done Pine	Sanibel Harbor Resort

A.S.H.R.A.E - Southwest Florida Chapter 2005-2006 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)
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Fax. 239-997-5101
Email: rmunsey@airsourcecorp.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:

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Kurt Vega
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Fax. 239-693-2431

Honors and Awards
Gary Griffin
Ph. 239-332-4646

Historian
Lawrin Ellis
Ph. 239-275-4240

Student Activities
Robert Lesnau
Ph. 239-275-4240