



# The THERM

Fort Worth Chapter of ASHRAE Newsletter

www.ashrae-ftw.org

December 2005

Volume XLVIII, Issue 5

Chapter Meeting

Wednesday

December 21, 2005

Petroleum Club

BOG ..... 10:45 A.M.  
Lunch ..... 11:30 P.M.  
Meeting.... 12:00 P.M.

“The ASHRAE Christmas party was last Saturday night at the Petroleum Club. We had a great turnout (48 people) and a wonderful time was had by all. As usual, the food was delicious and the fellowship was special.

### *Individual Highlights:*

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## President's Message



Seasons Greetings!

Christmas will soon be here. I hope everyone has a handle on their Christmas shopping. I enjoyed seeing everyone again at the November meeting. For those of you who were not able to attend, Mr. Chuck Phillips gave an excellent presentation on the Basics of

Psychrometrics. I'm sure the information provided an excellent introduction for some and a good review for others. I hope everyone who attended the meeting learned something from it. This month's topic will be on refrigeration. The ASHRAE Christmas party was last Saturday night at the Petroleum Club. We had a great turnout (48 people) and a wonderful time was had by all. As usual, the food was delicious and the fellowship was special. It is a unique opportunity to visit with some of our members that we don't get to see on a regular basis. Special thanks to W.O. Kelly for all of his efforts organizing the party. As a reminder, our January meeting will be held in a conference room in Carter & Burgess's office at our usual time. We will have lunch catered. My thanks to Jay Martin for arranging the room and coordinating the caterer. The ASHRAE roster is almost complete. We will distribute it this month. As announced in the October meeting, the roster will be sent out electronically this year so watch for it in your emails.

### **October Program Speaker:** Mr. Ken Vantine, FES Systems, Inc.,

“Compressors for Refrigeration Applications”

Ken Vantine has worked in the refrigeration field for 34 years. He covers North Texas, Oklahoma and Arkansas for major refrigeration equipment manufacturers providing equipment and system expertise. He provides training to the industry through refrigeration seminars and through his association with the local RETA (Refrigerating Engineers and Technicians Association) chapter. Ken is a member of ASHRAE and the IIAR (International Institute of Ammonia Refrigeration). He earned his degree in Mechanical Engineering from Lamar University in 1971 and has been a Registered Professional Engineer since 1978.





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The Chapter lost a good friend this month. Irma Jean Warren passed away this month. Flowers were sent to the funeral home on behalf of the chapter. I hope to see everyone at the meeting this month. Please remember to RSVP to me by the 15<sup>th</sup> at [johnm@texasairsystems.com](mailto:johnm@texasairsystems.com). I would like to wish everyone a safe, happy and joyous holiday season. Everyone is encouraged to visit the Ft. Worth Chapter website at <http://www.ashrae-ftw.org/> for a variety of useful information such as current and past newsletters, monthly meeting schedule and links to other chapters.

Sincerely,  
John Maryak, E.I.T.  
Chapter President

## Board of Governors Meeting Minutes

November 16, 2005

Need to get therm reports in before end of the month.  
Would like to get everything to John Rhodes before the end of the month to allow enough time to get sent out to everyone.

**Attendees:** John Maryak, Sid Ellis, David James, Cody W. Pace, D.W. Gipson, W.O. Kelly, Jay Martin, Tony Finch, Don Hardin, Randy Morrison, Garrett Brown, and Rick O'Connor

- Reports:
  - President-Elect: Sid Ellis wants all reports to him by end of each month. No new report.
    - Sid will find someone to sew on patches for new banner. Sid will get pricing and let the BOG know.
  - Secretary: No Report
  - Treasurer: No report
    - Current balance is \$4,034.50 as of 11-16-05.
  - Board of Governors:
    - Christmas Party Dec 3, 2005. Drink Tickets will be sold on site. Party will start at 6:30 with Dinner at 7pm. Steak and Lobster!!
    - Tickets will be sold up until the event and at the door.
  - Committee Chairs:
    - Membership Promotion:
      - 298 current members
      - 2) new members
      - Tracy Bishop with Frato Engineering
      - Diane Corrigan with Ramtech Building Systems
    - Student Activities: No Report
    - Chapter Technology Transfer:
      - List of topics has been published.
      - May we will have a distinguished lecturer.
      - Jay will be logging into website set up for CTTC to log events and awards.
    - Research Promotion:
      - Sporting Clays has been postponed
      - Full Circle is complete and collected.
    - Refrigeration: No Report
    - Honors and Awards:
      - Don Hardin looking into criteria for chapter service awards.



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- Don will put new criteria on web-site
- Newsletter:
  - Will try to keep adding more pictures to Therm.
- Webmaster: No report
- Historian: No report

#### **Old Business:**

Strategic planning session in January

#### **New Business:**

- Xmas party has 44 tickets sold to date.
- Tickets will be sold at the door.
- Cash Bar.

## Chapter Meeting Minutes

November 16, 2005

Meeting called to order at 12:02pm

- John Maryak, chapter President presiding. John welcomed everyone with 52 members and 7 guests.
- The meeting minutes were approved from last month by D.W. Gipson and seconded by Don Hardin.
- David James introduced guests
- Members did self-introduction.
- Jay Martin introduced our guest speaker.
- The program was presented by Mr. Chuck Phillips, Carrier North Texas.

Our November program presented an overview on the basics of Psychometrics, integral to all of us who deal with the heating, cooling, humidifying and de-humidifying air. A brief Q & A period will follow.

Chuck is a 1964 Mechanical Engineering graduate of Clarkson University and has been our industry ever since. An ASHRAE member since 1965 and a member of the Fort Worth Chapter since 1974, Chuck has worked with several major manufacturers of air handling, heating and cooling equipment. He has taught many of the "Basics" courses to the engineering community in the Metroplex over the past 35+ years, and is especially fond of talking about Psychometrics – an area that many of us tend to overlook until our systems don't function as intended.

#### **Announcements:**

- Richard Skipper with Ski-Hi Mechanical is now a ASHRAE Life Member
- John Higgins jr. is now a 50 year member of ASHRAE
- TCU Lecture series 6:30p in Tucker Hall
- **January meeting will be held on the 26<sup>th</sup> floor Carter-Burgess conference room**
- Christmas Party will be Dec 3<sup>rd</sup> on 40<sup>th</sup> floor. Cash Bar with live band in the lounge for dancing after the dinner. Looking for a good turn out. See W.O. Kelly for ticket information.

Old Business:

Please turn in any last minute roster changes to any BOG member

Meeting adjourned 12:54 PM



## Programs Committee

Jay Martin

The December program will feature a presentation on compressors for refrigeration applications. Specific topics will include why centrifugal compressors are not applicable to low temp refrigeration, applications and limitations for reciprocating compressors, and why screw compressors are the choice for most refrigeration applications. As always, the discussion will be followed by a short Q&A session.

## Announcements

We have several of our own members that will be one year older during the month of December. Give them a call and wish them a happy birthday.

Day	Name
1	Earl Crispin
1	Jeffrey Easton
4	Terrell Williams
5	Larry Eckert
7	Walter Cash
8	David Muzzy
9	David Hoelke
9	Mark Jones
9	Greg Sipes
10	Charles Edwards
11	William Michel
12	Rex Bell
12	Robert Stradley
15	Marcella Wilemon
17	John Wilkinson
18	Clint Hulsey
19	Brian Sauer
20	Don Penn
23	James Chatmas
24	James McNabb
26	James Tye
27	Drew Overmiller
31	George Jensen

## Treasurer's Report

David James



### Meeting Information:

Date of Meeting: 11/16/2005

Members 52

Guests 7

**Total: 59**

### Financial Data:

Starting Balance: **\$3,639.17**

Deposits:

Luncheon Receipts \$1,100.00

Dues \$ 595.00

Interest on Checking \$ 0.53

**Subtotal \$1,695.53**

Payments:

Petroleum Club Luncheon \$1,053.81

North TX Future City Comp. \$100.00

TCU Eng. Department \$100.00

**Subtotal \$1,253.81**

**New Balance as of 11/16/05 \$4,080.89**

## Editor's Note

Sid Ellis

If anyone in the Chapter has information which they would like to have included in the Therm, please contact me at (972)206-2590 or email me at [sellis@enviromaticsystems.com](mailto:sellis@enviromaticsystems.com). The information should pertain to the Chapter, its members, Region VIII or Society.

RSVP for this month's Chapter meeting at [johnm@texasairsystems.com](mailto:johnm@texasairsystems.com)



## Chapter Officers

President	John Maryak	(817) 281-6165	johnm@texasairsystems.com
President-Elect	Sid Ellis	(972) 206-2590	sellis@enviromaticsystems.com
Secretary	Rick O'Connor	(972) 323-5322	rick.o'connor@tac.com
Treasurer	David James	(817) 921-5434	djames@haroldjames.com

### BOARD OF GOVERNORS

W.O. Kelly	(817) 714-0504	wok59ag@aol.com
Dee Gipson	(817) 441-9942	d.gipson@sbcglobe.net
Cody Pace	(817) 336-0543	cody.pace@mail.ashrae.org

### COMMITTEE CHAIRS

Attendance	John Maryak	(817) 281-6165	johnm@texasairsystems.com
Student Activities	Tony Finch	(817) 281-6165	tonyf@texasairsystems.com
CTTC	Jay Martin	(817) 735-6756	martinjw@c-b.com
Historian	Richard Long	(817) 878-4242	rll@summitmep.com
Membership	Garrett Brown	(817) 878-4242	gsb@summitmep.com
Resource Promotion	Cody Pace	(817) 336-0543	cody.pace@mail.ashrae.org
Newsletter Editor	Sid Ellis	(972) 206-2590	sellis@enviromaticsystems.com
Refrigeration	Randy Morrison	(817) 624-0820	rmorrison@mortx.com
Honors and Awards	Don Hardin	(817) 292-6904	dchardin@swbell.net
Webmaster	John Rhodes	(817) 336-0543	jrhodes@fribergassociates.com

*Got questions?*

*Your Chapter Officers are available to help you.*



## ASHRAE News

### Additives Might Improve Chiller Energy Efficiency

GAITHERSBURG, Md.—A National Institute of Standards and Technology (NIST) researcher has developed a method to improve the energy efficiency of commercial water chillers. NIST research found that some lubricants, when injected in small amounts, can enhance evaporator heat transfer, increasing the efficiency of chillers. NIST says that certain additives form a thin covering on an evaporator surface, which produces enhanced bubbling during boiling. The improved conversion of the refrigerant molecules into vapor molecules increases the chiller's cooling capacity.

### USGBC Launches Web-Based Training Course

WASHINGTON, D.C.—The U.S. Green Building Council (USGBC) has launched its first Web-based training course designed to educate building industry professionals about Leadership in Energy and Environmental Design (LEED®) professional accreditation requirements. The three-hour course, "Essentials of LEED Professional Accreditation" includes selected case studies, interactive learning exercises, and a practice exam with questions similar to those on the LEED Professional Accreditation exam.



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Dinner.. 12:00 P.M.

Petroleum Club  
777 Main St.  
Fort Worth, TX 76102  
E-MAIL:  
sellis@  
enviromaticsystems.com

**We're on the Web!**

*See us at:*

**[www.ashrae-ftw.org](http://www.ashrae-ftw.org)**



2005-2006 First Meeting  
Petroleum Club 39<sup>th</sup> Floor  
Wednesday December 21, 2005  
10:45 A.M. BOG  
11:30 A.M. Lunch  
12:00 P.M. Meeting

This month's chapter meeting "Compressors for Refrigeration Applications"

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