

# The Comfort Chronicle

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.  
East Texas Chapter #091, Region VIII

Volume XXV, Issue II, October 2005

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

## A Message from the President-Elect October 2005

Howdy East Texas Chapter! As Chapter Technology Transfer Chair, one of my main responsibilities this 2005-2006 ASHRAE season is to coordinate the programs. We are focusing each month on a different segment of our ASHRAE membership.

The East Texas Chapter is off to a great start! Rhamy Morrison gave an excellent presentation on installation issues. He discussed the difference between expected field installation methods and actual installation.

Our October meeting will focus on light commercial and indoor air quality (IAQ) when we tour the HVAC & IAQ equipment at Lock & Load Indoor Shooting Range. The equipment was installed by Tom Maddox, who will give a brief overview of the installation of equipment above the 15 shooting lanes. He'll show photos of the inside of the AHUs, the return plenum intake, the 3-tiered filtration system, and the condensers on the roof.

In November, we will focus on field failures of scroll compressors presented by Scroll Technologies.

## October Meeting

Date: October 20, 2005  
Location: Sweet Sue's Banquet Room  
3350 S SW Loop 323  
Tyler, TX  
Cost: \$10 (students eat free)  
Schedule: 11:15 AM Social  
11:30 Lunch  
12:00 Program @ Lock N Load  
1:00 Adjourn

Program: IAQ for an Indoor Shooting Range

Please RSVP on or before October 18 to:  
Sheri McLain, phone 903-581-3391,  
fax 903-579-7862  
email [sheri.mclain@trane.com](mailto:sheri.mclain@trane.com)

## Board Meeting

7:00 AM – Dwayne's Restaurant – Oct. 20, 2005

## ASHRAE Membership


ASHRAE has launched a Maintaining a Stronger Society campaign to retain members.

Through this campaign, ASHRAE hopes to create a mindset within chapters to do "whatever it takes" to get new members involved in chapter operations as soon as possible, foster a stronger appreciation for mentoring within each chapter, and create a program that rewards new members for getting involved in the activities of the Society.

## UPDATED WEBSITE

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

Check it out



Almost everyone in our chapter will be interested in the internal workings of scroll compressors, but it will be especially so for our OEM engineers.

In December Stephen Kowalski will discuss gas furnace technology. Steve will cover the current state of gas furnace burners, heat exchangers, blowers and controls. He'll also discuss how we arrived at this technological point and what the future may hold.

In January we will focus on the Professional Engineers (PEs) with our first ever engineering ethics training seminar. Both Louisiana & Texas state PE boards require continuing education focused on ethics and we will offer a half day course along with our standard lunchtime meeting. A flyer with more specific information will be out soon for distribution to anyone who needs those professional development hours (PDHs).

During February the focus is on Engineer's Week, also known as E-Week. E-Week is a time for the promotion of engineering to the general public, specifically high school students. We'll join with other engineering societies in the East Texas Area to celebrate engineering at an evening meeting. This year's joint engineering society banquet will be held at Kilgore College in the Student Center Ballroom

Our March meeting will highlight the technical aspects of consulting with a presentation from James McClure from Estes McClure & Associates. He will update us on electric deregulation in Texas with an outlook to energy needs.

We will focus on college students at our April meeting. Dick Cawley will discuss the history of ASHRAE. Also in April, we

will host the ASHRAE satellite broadcast on Sustainability & Green Buildings. Two PDHs (equivalent to two American Institute of Architects (AIA) Learning Units) will be available to all who attend the satellite broadcast.

The last meeting of the season in May will focus on refrigeration with a tour of the new East Texas Food Bank Refrigerated Warehouse. The Food Bank has been instrumental in feeding the needy in the area, especially the thousands of evacuees from the gulf coast displaced by hurricanes Katrina and Rita. It is always amazing to see the size and scope of the structures that keep our food safe.

Additionally, members of our Board of Governors will represent the Chapter at the Chapter Regional Conference (CRC) in Cancun, this coming April. This is the first time the CRC will be hosted by one of the three Mexico-based chapters of Region VIII. The East Texas Chapter hosted the CRC in Tyler during 2004. This is an opportunity to influence regional ASHRAE decisions, to attend vital training for the 2006-2007 season and to share best practices with other committee chairs from other chapters. The technical programs available at the CRC will be of interest to the general membership of the chapter and entire chapter is invited to participate in this great occasion to get away for a learning adventure with a Mexican flavor.

I hope to see all y'all each month.

Regards,  
Kristin L. Schaefer  
ASHRAE - Region VIII  
East Texas Chapter  
2005-2006 President-Elect, CTTC Chair

## BOARD MEETING MINUTES

East Texas ASHRAE Chapter BOG meeting Minutes  
 Location: Dwayne's Country Restaurant  
 7:00 AM 9/29/05

### Attendance

Don Schuster - President  
 Kristin Schaefer - President-elect/ CTTC  
 Ernie Herterich - Secretary  
 Mohammed Farooq - Historian co-chair  
 Wayne Fang - Historian co-chair  
 Amanda Carrick - Student Activities Chair  
 Dick Cawley - Refrigeration Chair  
 Eric Newberg - Membership Chair  
 Bert McJimsey - Newsletter Editor  
 Gene Branum - TJC Student Chapter Coordinator  
 Robert Helt - Arrangements Chair  
 Scott Salvage - BOG officer  
 Bill Stiles - Treasurer

### Items discussed:

1. Art Giesler (DRC - Region VIII) will be in attendance at our October meeting - to be held at Sweet Sue's Restaurant and Lock and Load Shooting Range.
2. A payment receipt form for the January Ethics training (PDH's) was circulated to the BOG and was accepted.
3. The ASHRAE Satellite broadcast on "Green Buildings" will be April 19, 2006 from 12-3 pm. Trane will host the event. Robert Helt to be chair.
4. The Chapter will again ask each Carrier and Trane to corporate sponsor a meeting. The normal \$10 charge per meal will be assessed with the proceeds going to the Chapter's student scholarship. Don Schuster and Robert Helt to coordinate.
5. The Chapter's MBO's (Management by Objectives) was discussed. Kristin Schaefer will circulate the 6 discussed by email to the BOG members for voting on the top 3 to adopt for the year. Deadline is 10/1/05 to have these in to the Region.
6. Certificates of appreciation will be given to Carrier and Trane for their contributions to Resource Promotion last year.
7. The Region solicitation for assistance to hurricane victims was briefly discussed. It was decided that no further action will be taken.
8. A short discussion on PAOE points occurred. Don Schuster passed out information on PAOE points.
9. Student Activities Chair, Amanda Carrick, to work on this year's Chapter Scholarship requirements. She will get assistance from Bert McJimsey as needed. Amanda was also given information on the Societies' Student Scholarship program.
10. A brief discussion on chapter history occurred. There is a summary of the Chapter history on the web page. Robert Helt also has a CD with many historical documents on it.

11. Normal distribution for all items going to the chapter will be for the Secretary, Ernie Herterich, to send them out. The Secretary maintains the official distribution lists.
12. President-Elect. CTTC chair, Kristin Schaefer, to write the officer's message for the October newsletter.
13. President, Don Schuster, has free admission tickets for the Winter AHR show in Chicago for anyone interested in attending.
14. The BOG agenda will be altered to eat breakfast during the meeting in stead of before the meeting because it ran over the allotted hour.

### WIFM

What's in it for me? Let's face it – we're all interested in ourselves. Our time is valuable. A growing trend in non profit volunteerism – I'll send you money but don't ask me for time.

Local ASHRAE chapters are made up of professionals already trying to squeeze the last minute from a day – why would they want to spend time away from their occupation or family. Let's examine a few reasons.

Social and Contacts - You can meet some fine people in ASHRAE. Some of them are interesting (some are not), some might buy something from you or sell you something. Some might hire you or might come to work for you. Can you think of a better interview than watching someone's progress in a volunteer capacity?

Professional skills and education – You can gain technical knowledge from the journal, handbooks, seminars and local meetings. You can develop your people skills through volunteering. Members hone their communication and leadership skills outside their job before needing those skills in their occupation. You could lead a committee in your local ASHRAE chapter long before you lead an engineering project. You may lead an ASHRAE meeting before you need to make presentation on behalf of your company.

Influence the Industry – ASHRAE has no agenda of its own other than the advancement of the HVACR industry to serve the evolving needs of life. Our last local speaker, Rhamy Morrison, wants to use ASHRAE to change residential AC installation practices. Without industrial and consulting members the industry would be driven by impractical and non-value added standards written by environmental and governmental representatives.

## Advanced Energy Design Guide For Small Office Buildings



**New Design Guide Delivers Maximum Energy Savings**  
For developing energy-efficient buildings, the Advanced Energy Design Guide provides a sensible

approach by including practical products and readily-available, “off-the-shelf” technology. The Guide offers you all the tools you need to create an energy-efficient building where the owners will see a 30 percent energy savings compared to buildings that only meet the minimum requirements of Standard 90.1.

This four-color guide presents a simple approach to energy design for contractors and designers of office buildings up to 20,000 sq. ft. Ideal for the Contracting, Design and Remodeling industries, this peer-reviewed Guide features a user-friendly format and contains “how-to” guidance. The Guide provides benefits and savings for building owners while maintaining quality and functionality of the office space.

The Guide includes:

- Easy to follow climate zones for your geographic region
- Recommendations for achieving energy efficiency credits for LEED
- Bonus strategies for saving energy outside the building
- Ways to retrofit existing buildings and renovations

This Guide helps meet all of the owner’s energy performance requirements, since it was developed by a diverse group of energy professionals: ASHRAE, the American Institute of Architects (AIA), New Buildings Institute (NBI), and the Illuminating Engineering Society of North America (IESNA). Soft cover; 8.5” X 11”; I-P; 2004; ASHRAE.

This space could be used to communicate ASHRAE news introduce a member tell about an ASHRAE meeting held somewhere else describe an ASHRAE experience or describe an upcoming event email [bert.mcjimsey@trane.com](mailto:bert.mcjimsey@trane.com)

### ASHRAE Winter Meetings

The ASHRAE winter meeting will be held in Chicago this January. It will be cold.

Expo – There are hundreds of suppliers and product manufacturers displaying their equipment and services. Wear tennis shoes or hiking boots..

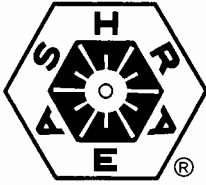
Technical Sessions – presentations on every subject of interest. Many presentations on ASHRAE sponsored research.

Technical Committees – administer and report on research projects and handbook updates. Solicit new presentations and topics for the next meetings.

Standards Committees – write and review standards

ASHRAE Committees - take care of the business of running ASHRAE

Region VIII dinner – this is where you get to hang out with the smart members.



**American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.  
East Texas Chapter #091, Region VIII**

2005 – 2006 CHAPTER OFFICERS

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Ernest Herterich	Secretary	903-510-7500	<a href="mailto:ernest.herterich@carrier.utc.com">ernest.herterich@carrier.utc.com</a>
Bill Stiles	Treasurer	903-597-3442	

BOARD OF GOVERNORS

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Future ASHRAE Meetings

2006 ASHRAE Winter Meeting  
January 21-25  
Chicago, IL

Region VIII CRC  
April 27, 28 & 29, 2006  
Cancun, Mexico

2006 ASHRAE Summer Meeting  
June 24-28  
Quebec, PQ

Future East Texas Chapter Meetings

Meeting	Date	Topic	Location
Lunch Meetings			
	November 17	Scroll Compressor Failure Analysis	Carrier
	December 15	Furnace 101	Trane
	January 12	Engineering Ethics	Trane
	March 16	Power Deregulation	Estes McLure
	April 19	Sustainability Satellite Broadcast	Trane
	April 20	History of ASHRAE	Carrier
	May 6	New East Texas Food Bank Tour	ET Food Bank
Dinner Meeting			
	February 23	EWEEK Banquet	Kilgore College

Do you have any member news? Email [bert.mcjimsey@trane.com](mailto:bert.mcjimsey@trane.com) to get it published in the newsletter.

# Did you ever wonder?

From <http://www.johnmills.net/work/history.html>

John Mills is the service manager for Appel Heating & Air Conditioning, a small HVAC&R contractor in Carmel, Indiana

AAON: Evolved from John Zink/Sunbeam, makes packaged rooftop equipment.

ADDISON PRODUCTS: Recently a division of Heat Controller, now owned by Fedders.

AIRE-FLO:: Old Lennox tradename revived for use on economy line sold by Lennox dealers.

AIRQUEST: Name used by International Comfort Products.

AIRTEMP: Became a subsidiary of Fedders Corp. in 1976. See Fedders.

AMANA: Formerly a division of Raytheon, now part of Goodman Manufacturing.

AMERICAN FURNACE [AFCO]: In 1968 became part of the climate control division of the Singer Co. In 1970 became Singer American Furnace. See Singer.

AMERICAN-STANDARD: Became Tappan Air Conditioning division in 1972. American-Standard purchased the Trane Company in 1984. American-Standard name revived in 1988.

ARCO: Acquired by SnyderGeneral in 1984 from Atlantic Richfield. Added to Climate Control unit as Arcoaire. In 1991 became part of Inter-City Products (now International Comfort Products) with brandmate Comfortmaker. In 1999, ICP was purchased by United Technologies, parent of Carrier.

ARKLA: Division sold to Preway, Inc. Preway sold Servel gas air conditioning to the Dometic Corp. High efficiency furnace technology sold to Trane. Servel name now sold by Robur.

ARMSTRONG: Founded by Lennox in 1928, became division of the Johnson Corp. in 1957. See Magic Chef. Name revived in 1988 to Armstrong Air after

Lennox purchased the climate control line from Magic Chef.

BARD: Bard Manufacturing.

BOHN: A subsidiary of Lennox International.

BRYANT: A division of Carrier Corp-United Technologies.

CARRIER: A wholly owned subsidiary of United Technologies.

CENTURY: Century Engineering Corp, Cedar Rapids, purchased by Heat Controller in 1975. Century name still used by Heat Controller on products made by OEMs.

CLIMATEMASTER: Formed from the "marriage" of several brands, among them Friedrich ClimateMaster and California Heat pump.

COLEMAN: Heating division started in 1958. Bought by MacAndrews & Forbes Group in 1989, by Beacon International using the name Evcon Industries in 1990, by York International in 1994.

COMFORTAIRE: A tradename of Heat Controller. See Century.

COMFORTMAKER: Old AFCO name revived at founding of SnyderGeneral by former Singer HVAC boss. See Singer. Comfortmaker now owned by Inter-City Products. In 1999, ICP was purchased by United Technologies.

COMMAND-AIRE: Water source heat pump maker now owned by American-Standard.

CONSOLIDATED: Out of business in late 1990s, remaining assets and furnace designs purchased by Texas Furnace Co. Was also sold as Premier

COOLERATOR, McGRAW-EDISON: Lasted listed as making HVAC products in 1978.

CRANE: Stopped making HVAC products in 1968. Furnace technology sold to Amana.

CUMBERLAND: A brand name used by American-Standard/Trane.

DAIKIN US: Japanese company making mini splits withdrew from the US market in 1988.

DAY & NIGHT: Part of the BDP Co. division of Carrier Corp-United Technologies. Name being dropped as of late 1997.

DELCO: Old GM appliance division last listed in 1964.

DUCANE: Purchased by Lennox in 1999.

DUNHAM-BUSH: Most divisions sold to Topgroup Holdings Berhad of Malaysia.

DUOMATIC-OLSEN: Canadian maker changed name to DMO Industries with Olsen & Airco as brand names.

ELECTRIC-FURNACE-MAN: Now known as EFM Company making boilers & furnaces

EUBANK: Texas manufacturer of cooling equipment, also OEM for Heat Controller. Now owned by Fedders.

FANDAIRE: Last A/C units manufactured in 1962.

FASCO: Stopped making HVAC products in 1983.

FRASER-JOHNSTON: Became part of Westinghouse. Name dropped in 1978 with end of Westinghouse HVAC products. Name now used by York International.

FEDDERS: Left the unitary market around 1980 and returned in early 2000s with Chinese made A/C & heat pump systems. Sells window units under Fedders, Climatrol, Airtemp, Hunter, Emerson brands.

FRIEDRICH: Residential HVAC acquired by ARCO in early 80s. In 1985 became Friedrich Climate Master Inc. selling water source heat pumps. Friedrich name dropped from tradename in 1987. Friedrich HVAC

products evolved into Arcoaire. Friedrich name still used on window units & mini splits after purchase of Zoneaire from ICP.

FRIGIDAIRE: GM appliance brand name now owned by White Consolidated licensed by Nordyne.

GAFFERS & SATTLER: In 1969 became a subsidiary of Magic Chef. Name no longer used.

GENERAL ELECTRIC: HVAC division purchased by the Trane Company in 1982.

GREEN COLONIAL: Des Moines company stopped making HVAC products in 1975.

HALL-NEAL FURNACE: Indianapolis company last listed in 1966.

HASTINGS: Last listed in 1964, now manufacturers unit & duct heaters.

HEIL-QUAKER: Purchased by Inter City Gas, Toronto, from Whirlpool Corp. Tempstar name added to replace Whirlpool name. HVAC division now part of International Comfort Products. In 1999, ICP was purchased by United Technologies.

HENRY FURNACE [MONCRIEF]: Purchased by Luxaire, Inc. Now part of York International.

HOME FURNACE: Became Home Furnace division, Lear-Siegler Inc. Became Miller Heating & Air Conditioning in 1986 after being acquired by Nortek Inc. Now listed as Nordyne. See Intertherm.

INTERNATIONAL COMFORT PRODUCTS: See Heil-Quaker.

INTERNATIONAL HEATER: In 1965 controlling interest acquired by Weil-McLain. Became International Heating & Air Conditioning division in 1973. Last listed in 1974. Weil-McLain now owned by United Dominion.

INTERNATIONAL OIL BURNER: Founded in St. Louis in 1919. Became Intertherm in 1969.

INTERTHERM: Became Nordyne company in 1987. Brandmate Miller. In 1998, Nordyne started marketing under White-Westinghouse brands Frigidaire, Philco, Tappan, Kelvinator & Gibson. Also making Maytag brand under license. Nordyne is OEM for Thermal

Zone.

IRON FIREMAN: Now owned by Vapor Power, making power burners.

ITT: Stopped making HVAC products in 1983.

JANITROL: Division of Surface Combustion Co. became division of Midland-Ross in 1960, division of Tappan in 1977. Janitrol name sold to Goodman Mfg. in 1982. Also sold as Goodman & GMC.

JOHNSON, AIR-EASE: Founded in 1958 by C.A. Olsen (who started Luxaire) and brother-in-law Johnson. Became part of Magic Chef in 1972. Now owned by Lennox. Air Ease brand now part of Armstrong Air division of Lennox.

LENNOX: Lennox Industries.

LUXAIRE: Founded in 1939 by C. A. Olsen, purchased by Westinghouse in 1955, was purchased by York in 1981.

MAGIC CHEF: In 1986, Magic Chef was acquired by the Maytag Co. Air conditioning division was sold to Lennox in 1988 and renamed Armstrong Air. See Johnson.

MAYFLOWER: St. Paul furnace company last listed in 1962.

MAYTAG: Name used by Nordyne under license from Maytag.

McQUAY: Formerly a division of SnyderGeneral, now owned by Hong Leong Group Malaysia. Sister division is AAF International.

MILLER: Was Miller the Home Furnace Company started in 1916. Now part of Nordyne with brandmate Intertherm.

MITCHELL: Last listed in 1958.

MONCRIEF: Division of York International. See Luxaire.

MUELLER CLIMATROL: In 1964 became Climatrol Div. Worthington Air Conditioning. Eventually bought out by Fedders. See Worthington and Fedders.

NATIONAL U.S. RADIATOR (Capitolaire): Acquired by Crane in 1960.

NESBITT: Acquired by ITT in 1963. Divested by ITT in 1979 and filed for bankruptcy in 1980. Now a tradename of Mechanical Specialties, Inc.

NIAGRA: Acquired by Rybolt in 1961.

OLSEN: In 1965 became Luxaire, Inc. with brand names Luxaire & Moncrief. Acquired by Westinghouse then sold to York Div. Borg-Warner in 1981. Olsen name no longer in use by York.

ONEIDA-ROYAL: Purchased by Utica Boilers Inc. in 1990.

PAYNE: A division of Carrier Corp-United Technologies. The name is used on the economy line of Carrier equipment.

PEERLESS: In 1964 became Peerless Division, Space Conditioning Systems. Eventually acquired by Dunham-Bush with names dropped in mid 1970s.

PEERLESS HEATER: Boiler manufacturer since 1908.

PERFECTION: Became Perfection Division, Hupp Industries in 1964. In 1965, Perfection name dropped. Later known as Typhoon Div, Hupp Industries. Hupp in bankruptcy in 1991. Perfection Industries was purchased by Schwank in 1981, now operating as Schwank Inc. making radiant heaters.

RHEEM: Rheem Manufacturing is owned by Japanese water heater manufacturer Paloma.

ROUND OAK: Last listed in 1963. See Peerless.

RUUD: Part of Rheem Manufacturing. See Rheem.

RYBOLT: Last listed in 1973.

SILENT AUTOMATIC: Last listed in 1961. See Iron Fireman.

SINGER: In 1982 became climate control unit of SnyderGeneral Corp. with name dropped. In 1984 SnyderGeneral operations included Arcoaire, Comfortmaker, McQuay. In 1988 SnyderGeneral bought American Air Filter. In 1991, sold Arcoaire & Comfortmaker to Inter-City Products.

SOUTHWEST MFG: Became Heatwave International in 1984, later going bankrupt.

SPACE CONDITIONER: Became Dunham-Bush division in 1968.

SQUARE D: Production resumed as Sun Dial Manufacturing then stopped in the 1980s.

STEWART-WARNER: Last listed in 1976.

TAPPAN: Became SJC Corp. in 1979 with name Frigiking Tappan. In 1982, SJC sold Janitrol line to Goodman Mfg. Tappan name revived by Nordyne in 1998 under license from White Consolidated.

TEMPSTAR: Name used to replace Whirlpool name when Inter City Gas purchased Heil-Quaker. See Heil

THERMOPRODUCTS: Indiana manufacturer of ThermoPride brand furnaces & air conditioners, now owned by Burnham Corporation

TRANE: The Trane Company purchased GE's climate control division in 1982. Trane was purchased by American-Standard in 1984.

TORRIDHEET: Last listed in 1972.

WATERBURY: Last listed in 1962.

WATERFURNACE: Fort Wayne Indiana manufacturer of water source heat pumps.

WEATHERKING: Former trade name of Addison Products, sold to Rheem in 1989.

WESTINGHOUSE: In 1981, sold to Borg-Warner [York]. Sale rights included names Moncrief, Luxaire, Fraser-Johnston all now used by York International. White Consolidated now licensing Westinghouse name for use by Nordyne.

WHIRLPOOL: In 1972 became Whirlpool Div. of Heil-Quaker, a subsidiary of Whirlpool Corp. Tempstar name replaced Whirlpool after Inter-City Gas Co. bought Heil-Quaker in 1986. See Heil-Quaker. In 2002, Whirlpool back in residential HVAC with line they designed based on and made by Armstrong.

WILLIAMS OIL-O-MATIC: Last listed in 1972.

WILLIAMSON: Purchased by Hupp Industries which went bankrupt in 1991. Williamson name was purchased by Metzger Machine (Milwaukee

Thermoflo) and used on furnace line. Late 1999, purchased by United Dominion (Weil-McLain's parent)

WORTHINGTON: Became Mueller Climatrol in 1970 after being acquired by Fedders.

YORK: Formerly a division of Borg-Warner, York International spun off. In August 2005, was purchased by Johnson Controls. York also makes Fraser-Johnson, Luxaire, Moncrief, Winchester, Coleman-Evcon, AirPro, Red T. Also known in the past as Central Environmental System