



The THERM

Fort Worth Chapter of ASHRAE Newsletter

Chapter Meeting

Wednesday

January 18, 2006

Carter & Burgess
Plaza 26th Floor

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

“Don’t forget...this month’s meeting will be held in Carter & Burgess’s conference room on the 26th floor of C & B Plaza at our usual time. This month’s topic will be on indoor air quality and filtration.”

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www.ashrae-ftw.org

January 2005

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President’s Message



Happy New Year Everybody!

I hope everyone enjoyed the holiday season and had a safe and happy New Year. I always feel like the New Year brings an opportunity start anew with hopes of better things to come. We can all declare our New Year’s resolutions and desperately try to keep them at least through the end of the month. Hopefully, nobody has broken any New Year’s resolutions already! Speaking of resolutions, a review course for this year’s P.E. exam will begin on the 14th at TCU. Those of you who have resolved to take the test in April and want to sign up for the review should contact Marc Meadow, P.E. at (817)927-8101. Marc is a member of the West Texas Section of ASME.

Our December program focused on compressors for refrigeration applications. Mr. Ken Vantine provided an excellent summary of the different types of compressors and which applications are best suited for each type of compressor. We also conducted our ASHRAE Research Donor Recognition last month. All those who were presented and contributed to Research, received their coin. Anyone who was not present should notify Cody Pace to receive their coin. And perhaps most importantly, Mr. Jack Higgins received his certificate and recognition as a 50-year Member of ASHRAE.

Don’t forget...this month’s meeting will be held in Carter & Burgess’s conference room on the 26th floor of C & B Plaza at our usual time. This month’s topic will be on indoor air quality and filtration. The speaker’s focus will be on the different methods of filtration available and their effects on energy consumption. We will have barbeque catered by Red Hot and Blue. I hope to see everyone at the meeting this month. Please remember to RSVP to me by the **15th** at johnm@texasairsystems.com.

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

January Program Speaker: Mr. Christopher O. Muller, Purafil, Inc.,

“Achieving Your Indoor Air Quality Goals: Which Filtration System Works Best?”

Christopher O. Muller has been the Technical Services Manager for the past 18 years at Purafil, Inc. of Doraville, GA, a manufacturer of gas-phase air filtration media, filters, equipment, and air monitoring instrumentation. He is responsible for technical support services and various research and development functions. Prior to joining Purafil, he worked in the chemical process and pharmaceutical manufacturing industries in quality assurance / quality control. Christopher has written and spoken extensively on the subject



January Program Continued from page 1 of indoor air quality and the application/use of gas-phase air filtration and counts over 90 peer-reviewed papers and articles, more than 20 seminars, and 7 handbooks to his credit. Has edited chapters in two handbooks on the application and use of gas-phase air filtration, wrote the chapter on gas-phase air filtration for the NAFA Air Filtration Handbook and for Carrier Corporation's Applications Technical Development Program.

Christopher is Chair of ASHRAE Standard Project Committee 145P which is developing industry standards for assessing the performance of media and equipment used in gas-phase air filtration systems. He is a voting member of Standing Standard Project Committee 62.1 - Ventilation for Acceptable Indoor Air Quality, serves on the Education subcommittee, and is a co-author of the Standard 62.1-2004 User's Manual. He is also a member of Technical Committee 2.3 - Gaseous Air Contaminants and Gas Contaminant Removal Equipment.

Christopher has testified before OSHA on proposed Indoor Air Quality Standards and has consulted on the preparation of Dutch and Italian governmental standards for indoor environments and has worked closely with many state and national agencies in the U.S. and abroad to develop and implement indoor environmental control strategies for airborne contaminants.

Christopher received his B.S. in Applied Biology with a minor in Chemistry from Georgia Tech and has done postgraduate work in Industrial Engineering at Southern Polytechnic State University.



Board of Governors Meeting Minutes

December 21, 2005

Need to get the 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 Pace, D.W. Gipson, W.O. Kelly, Jay Martin, Tony Finch, Don Hardin, and Rick O'Connor

- Reports:
 - President-Elect: Sid Ellis No Report. Still needs to get patches sown on Banner
 - Need to have completed by CRC 2006.
 - Secretary: No Report
 - Treasurer: No report
 - Current balance is \$6,269.19 as of 12-21-05.
 - Don't have current bill from Christmas Party.
 - Board of Governors:
 - Christmas Party held on Dec 3, 2005 was a great success. Petroleum Club seems to have the best draw. W.O. Kelly suggested having a "short" program at the end of the dinner to cap off the evening. Thank you everyone for attending.
 - Committee Chairs:
 - Membership Promotion: No Report
 - Student Activities: No Report
 - Chapter Technology Transfer: Jay Martin
 - List of topics has been published.
 - Research Promotion: No Report
 - Refrigeration: No Report
 - Honors and Awards:
 - Don Hardin looking into criteria for chapter service awards. Don will put new criteria on web-site
 - Newsletter:

BOG Continued from page 2

- Will try to keep adding more pictures to Therm.
- Webmaster: No report
- Historian: No report

Old Business:

The Christmas party was an overall success. Have discussions about adding entertainment to the festivities.

New Business:

- Jay Martin will send a summary of the chapter program to Rick O'Connor for inclusion in the Therm Chapter Meeting minutes.
- The December 2006 chapter meeting will be reviewed to determine if it should be cancelled. The chapter is not required to have a December meeting. This would take away some load on the CTTC Chair to come up with a program. This is a difficult time of year.
- Donor recognition coins will be handed out during the chapter meeting today.
- Reminder that the January meeting will be held on the 26th floor. Watch for signs to the conference room.
- Adjourned 11:21am

Chapter Meeting Minutes

December 21, 2005

Meeting called to order at 12:01pm

- John Maryak, chapter President presiding. John welcomed everyone with 37 members and 4 guests.
- The meeting minutes were approved from last month (with mistakes) by W.O. Kelly and seconded by Larry Akers.
- David James introduced guests
- Members did self-introduction.
- W. O. Kelly presented Jack Higgins with his 50 year ASHRAE Service Award. Jack formed the Higgins Company in 1948. He was instrumental in forming the Ft. Worth Chapter as a Charter Member in 1955.
- John Maryak, Sid Ellis, and Tony Finch assisted in handing out Research Promotion coins and Plaques.
- Jay Martin introduced our guest speaker.

December Program:

Compressors for Refrigeration

Presented by Mr. Ken Vantine, FES Systems, Inc.

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:

- **January meeting will be held on the 26th floor Carter-Burgess conference room**

Old Business:

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

Meeting adjourned 12:54p



Programs Committee

Jay Martin

One cannot discuss the topic of indoor air quality without giving some attention to the role that energy conservation measures may play. Often the quest to reduce energy costs by “tightening” buildings and relying on less outside air has been pointed to as the main cause of many IAQ problems. The public's increased awareness towards IAQ-related issues and their demand to be able to work in a healthy environment, along with building owners’ and managers’ desires to keep energy consumption to a minimum, has fostered a growing need for economical and effective solutions. One of these solutions has been the use of air filtration. This mitigation measure can provide results similar to, and in many cases better than, those expected through ventilation, i.e. the reduction of airborne contaminant levels. Air filtration can be applied for the reduction of particulate matter, gaseous contaminants, or both. It is the use of air filtration systems for the control of gaseous contaminants that will be the focus of this discussion.

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@enviromatics.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

Announcements

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

Month	Day	name	Month	Day	name	Month	Day	name
1	1	Charles Black	1	13	Michelle Thrasher	1	15	Buddy McKittrick
1	2	Jan Delgado	1	13	Andre Milbitz	1	16	Thomas Darwin
1	3	Jim Salter	1	13	Amir Hanif	1	16	Gibran Michel
1	4	Steven Pellerin	1	12	George Bridgforth	1	17	Cody Pace
1	4	Gary Throckmorton	1	12	Thomas Hazelton	1	19	Todd Porter
1	5	Larry Gathers	1	11	Thomas Chisholm	1	25	William McCraw
1	6	D.W. Gipson	1	14	Rodney Campbell	1	26	James Price
1	6	William Cox	1	14	Richard Bryan	1	28	Christopher Davenport
1	7	Don Hardin	1	14	Nikhil Chury	1	29	John Koenig
1	9	Glen Brunkenhoefer	1	15	Gary Freer	1	31	Cody Hoff
1	10	Charles Phillips						

Treasurer's Report

David James



Meeting Information:

Date of Meeting:	12/21/2005
Members	37
Guests	4
Total:	41

Financial Data:

Starting Balance:	\$4,180.89
Deposits:	
Luncheon Receipts	\$ 820.00
Dues	\$ 280.00
Christmas Party	\$2,150.00
Interest on Checking	\$ 0.36
Subtotal	\$3,250.36

Payments:

Petroleum Club Luncheon	\$ 714.45
Petroleum Club Parking	\$ 80.00
Whitsel Florist	\$ 112.04
Subtotal	\$ 906.49

New Balance as of 12/21/05 \$6,524.76

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	rl@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

Handheld Device Helps Beat the Heat

ARLINGTON, Va.—The U.S. Department of Defense has developed a portable device to help cool people who must physically exert themselves in hot climates. The device, called CoreControl, is a coffee pot-size chamber with a cold metal cone in the center. The user grips the cone and holds it for three to five minutes. This cools blood vessels in the palm, which triggers circulation of cool blood to the body core.

2006 AHR Expo Will Be Largest Ever

WESTPORT, Conn.—The 2006 AHR Expo will be the largest in the show's 76-year history. More than 1,900 companies have reserved 409,555 ft² (38 000 m²) of exhibit space. These numbers surpass the amount of space sold at the 2003 AHR Expo in Chicago and the number of companies that exhibited at the 2005 AHR Expo in Orlando, Fla. AHR Expo is managed by International Exposition Company and cosponsored by ASHRAE and the Air-Conditioning and Refrigeration Institute (ARI).

Boom in Hospital Construction

NEW YORK—The United States is in the midst of the biggest hospital construction boom in 50 years, according to the U.S. Census Bureau. Spending on new hospitals was expected to reach a record \$23.7 billion in 2005. Total hospital spending in the last five years is 47% more than the previous five years. The increase is attributed to replacing obsolete hospitals with facilities containing the latest equipment and amenities.



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Carter & Burgess Plaza
777 Main St.
Fort Worth, TX 76102
E-MAIL:
sellis@
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We're on the Web!

See us at:

www.ashrae-ftw.org



2005-2006 Meetings

Carter & Burgess Plaza 26th Floor

Wednesday January 18, 2006

10:45 A.M. BOG

11:30 A.M. Lunch

12:00 P.M. Meeting

This month's chapter meeting "Achieving Your Indoor Air Quality Goals: Which Filtration System Works Best"

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