

A Year of History Austin Chapter 2003-2004



The tremendous year the Austin Chapter of ASHRAE (066) had for 2003-2004 was under the guidance of Chapter President Wes Goodwin; P.E. Wes began the year by calling a BOG meeting in July and planned the year with goals and directives to the Board. The Chapter exceeded many of these goals and is to be congratulated! During the Chapter Year 2003-2004, the following members were elected and worked diligently throughout the year:

President	Wes Goodwin, P.E. (CRC Delegate)	BOG#1	Jim Ruth, P.E. (Research/Golf)
President Elect	Mark Merriman (CRC Alternate)	BOG#2	Drew Harrison (Student Activities)
Vice President	Jeremy Smith, P.E. (Newsletter Editor)	BOG#3	Mike Davidson (PAOE)
Treasurer	Tom Green, P.E.	BOG#4	Randy Schrecengost, P.E. (Historian)
Secretary	Cameron Labunski, P.E.	BOG#5	Glenn See (Refrigeration)

The Austin Chapter's BOG's typically serve as the main Committees contacts overseeing one or more activities as the Chapter's needs require. Additional support is provided by other willing members illustrated below:

Honors&Awards / Nominating	Bill Klock, P.E.	Reception/Phone	Paul Cherry, EIT
Membership Promotion	Ken Simpson, EIT	TEGA	Mark Treadway
Web Master	Jeremy Smith	PP Council / Auditing	Carl Crow, P.E.
Roster	Ken Simpson, EIT	Seminars	Randy Schrecengost P.E.

AUGUST

The Austin Chapter of ASHRAE's year began at the County Line BBQ Restaurant, 6500 Bee Caves Road, in West Lake (just west of Austin). This first meeting was held on August 21, and began with the BOG's meeting at 4:30 p.m. The Social Session occurred from 5:30-6:00 p.m. while the Technical Session began / ended between 6:00-6:30 p.m. Dinner followed from about 6:30-7:00 p.m. where President Goodwin thanked each Board member for their work through the summer in preparation for "shaping up an exciting 2003-2004 season"! The President also thanked the numerous chairpersons and committee members for their contributions in support of the Chapter. A round of self introductions occurred and the Program lasted between 7:00-8:00 p.m. where the Chapter adjourned. One of the highlights of the meeting was that Mr. Hugh McMillan, our Region VIII Director and Regional Chair (DRC), paid us a visit and presented the Chapter an update on the Regional activities. August was our **Membership Promotion Night**. Our attendance consisted of: 29 Members, 0 Life Members, 0 Students, and 2 Guests for a total of 31.

The August Technical Session and Main Program Summary were organized by Jeremy Smith and Randy Schrecengost. The Technical Session covered "Flow Control & Regulation of Compressed Air" by Scott Whigham & Steve Houtz from Ingersoll Rand. The Main Program was "Designing and operating compressed air systems for lowest overall cost" presented again by Scott and Steve. Low operation cost is a key concern of everybody. Scott and Steve covered both the initial cost and operating cost of using compressed air and discussed the various aspects of using reciprocating, rotary screw, and centrifugal compressors; and, all accessories required.



SEPTEMBER

Our meeting was held on September 18th, once again at the County Hill on the Hill with BBQ! Our Main Program Session was provided by Mr. Steven Rowley, of Particle Measuring Systems, for a presentation on Molecular Contamination Monitoring. He covered a number of ways to decontaminate air and a few ways to measure contaminants. The main program was to be by Mr. Mark Huza, of Camfill, on Chemical Filtration Technologies, however, due to Hurricane Isabel in the North Carolina area, Mr. Huza had to cancel. Moving his family to safety was more important. Member and BOG Randy Schrecengost stepped up to the plate and presented the Technical Session based on his recent experience as a facility engineer at Motorola Ed Bluestein, and covered the basics of chemical filtration and direct applications to molecular contamination in the semiconductor industry. September was **Research Promotion and Refrigeration Nights**. Attendance consisted of: 24 Members, 0 Life Members, 2 Students, and 3 Guests for a total of 29.



OCTOBER

Our meeting for October was held on October 30th at the Travis County Heritage and Expo Center and was also our traditional **Student Chapter Members' Night**. We had more than 52 students from our four (4) student chapters of University of Texas, Austin Community College, Central Texas College, and Texas State Technical College. The meeting began with a tour of the ice making plant for an example of a low-temperature application. Mr. Tom Messenger of Cool Tech gave us a tour of the equipment and explained the process of making ice for a hockey rink while using two gas engine driven chillers are used. After the tour, we met in the Bellfry Room overlooking the ice for the Ice Bat's game versus San Angelo. Dinner and drinks were served along with an excellent view of the hockey game and even a few fights. The Chapter members committed to bringing in as many new members as possible. October's attendance consisted of: 24 Members, 0 Life Members, 52 Students, and 1 Guests for a total of 77.

Seminar Chairman Randy Schrecengost organized a "Chemical Filtration Applications" Design Seminar that was conducted by Purafil, Inc. The seminar reviewed indoor air quality and energy conservation issues and the use of filtration and recirculation for compliance with ASHRAE Standard 62.1. Also discussed was specialized filtration needs for museums, libraries, and archives; and, airborne molecular contamination (AMC) control for the semi-conductor and microelectronics industry. The seminar was held on October 9, 2003; 11:30 am – 4: 30 pm at the Mechanical Reps office for a cost of \$50 / person. Seventeen (17) people attended.

NOVEMBER - DECEMBER

Typically the Austin Chapter of ASHRAE does not have a meeting in November due to Thanksgiving, and combines the meeting and meets early in December and celebrate our Spouses and our Past Presidents. This year we had our Past Presidents/Spouses Night was held on December 4th at a local restaurant called Chez Zee. Our program is usually very non-technical in order to entice our significant other to attend. After self-introductions and honoring our Past Presidents and Spouses, Harlan and Nancy Oelklaus presented "HAVING FUN WITH PEACE ON EARTH". They explored the brain differences between men and women and style differences between people in general—all within a lighthearted framework with comfortable audience participation. It was a great opportunity to laugh our way through our differences and make the holidays more peaceful. The Chapter continued to promote Resource / Research. Our December attendance consisted of: 14 Members, 2 Life Members, 0 Students, and 16 Guests for a total of 32. This was a little lower than hoped, but a very great time was had by all!

Seminar Chairman Randy Schrecengost also organized another "Control Valves & Industrial Regulators Applications Seminar" Design Seminar conducted by Cashco, Inc. The seminar provided a basic understanding of the operations and function of various types of control valves and industrial regulators. This seminar was held on November 12 at the DSI offices for a cost of \$50 / person. Twenty-two (22) people attended this seminar.

JANUARY

January 15th found our chapter back at the County Line on the Hill for our early year BBQ feast. During the meeting it was announced that our Chapter achieved the "Full Circle" award where all of the Chapter's Officers and BOG's contributed a minimum of \$100 to ASHRAE Research by December 31st. The Chapter's Technical Session was on "Energy Recovery Equipment: An Overview" by Mr. Mike Hayes, P.E. of Munters. Mr. Hayes explained how energy recovery systems are becoming the norm and ASHRAE ventilation standards bring questions of humidity control and wasted energy in cooling the ventilation air. The Main Program was again presented by Mr. Hayes, and covered "Outside Air and Desiccant Wheels... A Perfect Match?" The main program covered the design considerations and application of outdoor air dehumidification equipment.

On January 27, Cameron Labunski, P.E., and Drew Harrison spoke at the University of Texas Architectural Engineering Program on what benefits Professional Societies bring to industry and more particular the benefits ASHRAE brings to the HVAC Industry. About 40 students attended and the Chapter received close to 30 requests for ASHRAE Student Memberships. During this month, the Chapter recognized all the ASHRAE Research contributors from last year record RP campaign. January was another Research Promotion Night and our attendance consisted of: 37 Members, 4 Life Members, 0 Students, and 4 Guests for a total of 45.

FEBRUARY

The Chapter was once again at the County Line for our February 19th meeting. The Technical Session was on the "Do's and Don'ts of Testing and Balancing" by Pat Pico, who is the Training Director for the Santa Clara Sheet Metal Training Center and employed by the Sheet Metal Workers International Association, Local Union 104. We learned that balancing of an HVAC system is not always the first priority in the design process (who would have guessed?). Mr. Pico also presented an "An Introduction to TABB" for the Main



Program. The month of February is when the Chapter gets really going on Research and begins the big push for the money. We also promote our annual Austin ASHRAE Golf Tournament as it has always been our largest fundraiser. February is also the month to promote **Engineers Week**. Our attendance consisted of: 24 Members, 2 Life Members, 1 Student, and 6 Guests for a total of 33.

MARCH

The March 18th meeting found the Chapter cruising at high speed and making a push for the Spring CRC on April 22-24 in Tyler Texas, the Home of the Texas Rose Festival. Mr. Jim Ruth, P.E. made a final plea for everyone to get their registration in for the Annual Golf Tournament at the Circle C Golf Course on April 16. The Technical Session was on "Through-Wall Air Conditioner Transmission Loss" by Chad N. Himmel, P.E. He discussed how Packaged-Terminal Air Conditioners (PTAC) are commonplace in today's world of hotels and motels, but they might make the space it is serving unbearable from noise. Mr. Jack Evans, President and Founder of JEACOUSTICS presented the Main Program on "Fan Sizing to Achieve Low-Frequency Noise Control". Proper fan selection is not always a priority in an air handler design, which ultimately leads to reduced energy efficiency and noise generation. Mr. Evans reviewed fan conditions that are favorable for noise generation and how we as design professionals can best select fans to achieve low-frequency noise control.

Chapter member Mark Treadway wrote a very informative article to educate the members about the Continuing Education Requirements for Professional Engineers. Mark explained how the 78th Texas Legislature in SB 277 now requires 15 hours of continuing education for registered engineers annually. The Engineering Practice Act was Texas Civil Statutes, Article 3271a. and 78th Legislature SB 277, Section 17 set forth requirements for Continuing Education and that CEP credits began as of September 1, 2003 and by March 2005 PDHs will be required for license renewal. This will be similar to the previous voluntary program. March's attendance consisted of: 22 Members, 5 Life Members, 0 Students, and 7 Guests for a total of 34.

APRIL

This month's meeting on April 15th found quite a few members glad that they met the IRS deadline once again. There was a lot of celebrating and commiserating during the Social Hours. This month found the Chapter preparing to attend to the CRC in Tyler, getting ready to play golf (the next day), and signing up for an applications design seminar for next month. In addition, the Chapter coordinated ASHRAE's Satellite Broadcast on Homeland Security for Buildings. This was sponsored by ASHRAE's Presidential Ad Hoc Committee on Homeland Security with support from the Alfred P. Sloan Foundation. This month's Technical Session was "Are You Specifying the Correct Duct Sealer" by Randy Jenkins of Ductmate, with a review SMACNA and UL requirements and the various types of sealants on the market. The Main Program was the "Introduction to the US Green Building Program and the LEED Rating System", by Michele Van Hyfte, AIA, LEED AP. Ms. Van Hyfte reviewed all the buzz words regarding "LEED rated, green building, sustainable construction", etc., and helped the members understand these terms and how they can benefit our clients. The Austin Chapter's Research total for this month was \$22,830. April's attendance consisted of: 27 Members, 2 Life Members, 0 Students, and 5 Guests for a total of 34.

MAY

May 20th was our last scheduled meeting of the year, but it was another good one! Seminars Chairman Randy Schrecengost organized another applications design seminar earlier that day by Mr. Ken Luther, Manager of Engineering Services for ITT Fluid Handling and the Little Red School House. Mr. Luther covered "Large Chilled Water System Design". President Wes Goodwin thanked all the volunteers for a "job well done", and congratulated all the newly elected Officers, BOG and Chairman moving forward to assist in-coming President Mark Merriman. Mark stated that he was excited about beginning a new year and appreciated the opportunity to serve the Chapter. The Technical Session/Program was on a "Summary of Various Piping Systems" by Ken Luther, where he reviewed alternative pumping strategies, variable speed pumping, and a sub-system approach to sources, loads, and pumping management. The last item on the agenda was Chapter member Larry Bloomquist, Past President, conducting the installation of all the new ASHRAE-Austin Board of Governors and Chapter Officers for the 2004-2005 chapter year. The Austin Chapter's Research total for this month was \$30,626.

JUNE - JULY

The Austin Chapter traditionally takes the summer off and does not meet during June and July. If there are any activities at all, they are usually BOG meetings called by either the out-going or the in-coming Presidents. Usually the time is spent reviewing the Chapter's goals and successes or failures over the past year and to organize the new goals and objectives for the next Society year. The finances of the Chapter are audited and the books accepted and passed to the new Treasurer.

Respectfully Submitted,
Randy Schrecengost, P.E., Historian