

## A Year of History Austin Chapter 2002-2003



The excitement and enthusiasm that Mr. Jim Ruth, P.E. had for being President of the Austin Chapter of ASHRAE (066) for the 2002-2003 year was almost unprecedented. Under Jim's expert leadership, the Chapter began publishing the newsletter electronically and emailing it to a vast majority of our membership. While in the past, the newsletter contained pictures, it was during this year that pictures became a necessity in order to fully tell all the stories and events. The newsletter began a tradition of putting the President's picture on the front page during every edition. President Ruth began the year by calling a BOG meeting in June and organized the goals and objectives on which he wanted support from the Board of Governors. The Chapter exceeded nearly all the goals and was rewarded with an outstanding year of positive results! Jim even published a July newsletter for the first time in a very long time in the history of the Austin Chapter. During the Chapter Year 2002-2003, the following members were elected and worked diligently throughout the year:

|                        |                                  |              |  |
|------------------------|----------------------------------|--------------|--|
| <b>President</b>       | Jim Ruth, P.E. (Newsletter/Golf) | <b>BOG#1</b> | Bob Love, P.E. (Research/CRC Delegate) |
| <b>President Elect</b> | Wes Goodwin, P.E (Seminars)      | <b>BOG#2</b> | Drew Harrison (Student Activities)     |
| <b>Vice President</b>  | Mark Merriman (Programs)         | <b>BOG#3</b> | Mark Treadway (TEGA/Refrigeration)     |
| <b>Treasurer</b>       | Jeremy Smith, P.E.               | <b>BOG#4</b> | Rick Dowdy (PAOE)                      |
| <b>Secretary</b>       | Curtis Boecker, P.E.             | <b>BOG#5</b> | Stephen Greco (Membership)             |

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:

|   |                          |                              |                         |
|---|--------------------------|------------------------------|-------------------------|
| <b>Honors &amp; Awards / Nominating</b> | Randy Schrecengost, P.E. | <b>Reception/Phone</b>       | Jeremy Smith, P.E.      |
| <b>Membership Promotion</b>             | Stephen Greco            | <b>TEGA</b>                  | Mark Treadway           |
| <b>Web Master</b>                       | Jeremy Smith, P.E.       | <b>PP Council / Auditing</b> | Don Kiely               |
| <b>Roster</b>                           | Ken Simpson, EIT         | <b>Refrigeration</b>         | Don Kiely               |
| <b>Seminars</b>                         | Wes Goodwin, P.E.        | <b>Historian</b>             | Randy Schrecengost P.E. |

### AUGUST

The Austin Chapter of ASHRAE's first meeting of the year was held as a social gathering at the Dell Diamond on August the 8<sup>th</sup>. For \$20, every member got a ticket to the baseball game that night, all they could eat hot dogs and hamburgers, keg beer and a display of various VAV terminal units (so it wasn't all fun)! We had room for 80 members and we needed nearly all of it as we had 50 in attendance. The meeting was promoted in order to get more members out and have a great opportunity to meet folks without having a full sit down meeting.



The meeting was held in the conference center which was on the first base side of the Dell Diamond. We started at 6:30 for the 7 pm game. In addition to our social gathering, we had several VAV terminals on display with local representatives there for questions, answers and product highlights. Many thanks go out to Environmental Technologies, Price, Titus, Trane and York for supplying the boxes for viewing by the Chapter membership and guests. We also had an added bonus by having the President of the local ASPE Chapter, David Resendez join us for the evening. August was **Membership Promotion Night**, and our attendance consisted of: 23 Members, 4 Past Presidents, 0 Life Members, 0 Students, and 23 Guests for a total of 50.

### SEPTEMBER

Our meeting was held on September 19<sup>th</sup>, at the Tres Amigos restaurant on Capital of Texas Highway (past Barton Creek Mall and Rudy's but before Lost Creek Blvd.) Vice President Mark Merriman arranged for Austin Energy to present the Technical Session and Program for the evening. Ms. Maureen Scanlon, P.E. provided the Technical Session on an "Overview of the Commercial Green Building Program". Mr. Norman Muraya, P.E. and Mr. Jon Luden provided the Program on "Austin Energy's - Energy Rebates".



Our Chapter also had the pleasure of hosting Hugh McMillan, our ASHRAE Region VIII Director and Regional Chair. Hugh joined us for our meeting and had a few comments to make before our Program. Hugh gave our Chapter special recognition in a note sent to all Chapter Presidents. He congratulated our Chapter and President Jim Ruth as the Austin Chapter had already reached PAR in the Chapter Operations category and had received the



bonus points for being the first in the Region to attain that level. Special thanks went to BOG Rick Dowdy for his efforts directly leading to this acknowledgement. September was **Research Promotion Night**. Attendance consisted of: 24 Members, 4 Past Presidents, 2 Life Members, 0 Students, and 4 Guests for a total of 34.

### **OCTOBER**

Our meeting for October was held on October 17th and consisted of a presentation, plant tour, and dinner at the TECO-Westinghouse facility in Round Rock. The TECO-Westinghouse Motor Company (TECO) has been a world leader in the motor industry since 1888. The Round Rock facility is the world headquarters and conducts engineering, drafting, sales and marketing, field and factory service, customer service, manufacturing, testing, and final shipment. TECO offers a wide range of motors. Many people always see TECO's trademark Texas Longhorn's in the front pasture which are named Remington, Fiddlesticks, and Freeloader. Dinner will be served after the plant tour in the conference rooms. October is our traditional Student Chapter Members' Night. We had 15 students from our four (4) student chapters of University of Texas, Austin Community College, Central Texas College, and Texas State Technical College. We celebrated Student Night by awarding 3 scholarships of \$250 each to: ACC—Farhad Zanjanchian; Central Texas College—Tim Gohdes; and, Texas State Tech College—Paul Judson. Thanks to BOG member Drew Harrison who did an excellent job of meeting with each university and obtaining the information to select our scholarship winners. October's attendance consisted of: 20 Members, 3 Past Presidents, 1 Life Member, 15 Students, and 4 Guests for a total of 43.

Seminar Chairman Wes Goodwin organized a "Control Valve Technology" Design Seminar that was conducted by Mr. Chuck Waite or Puffer-Swiven. The seminar included an introduction to control valves, control valve selection, and installation and maintenance requirements. The seminar was held on October 17, 2002 at Dynamic Systems' Training room on South Lamar from 8:30 am – 12:00 pm for a cost of \$60 / 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. We generally celebrate our Spouses and our Past Presidents at this time of year, and usually pick a non-technical program topic in order to entice our significant others to attend. This year we had our Past Presidents/Spouses Night on December 5th at the Hyatt Regency on Town Lake. The cost was \$30 per person or \$50 a couple. The social hour was from 6:00-6:30 p.m., dinner was 6:30-7:30 p.m. and the Program lasted from about 7:30-8:00 p.m. Chapter Past resident's in attendance were: Carl Crow, P.E. (2000), Bill Klock, P.E. (1999), Charles Kieffer, P.E., (1997), Mike Davidson (1994), Randy Schrecengost, P.E. (1991), and Larry Bloomquist, P.E. (1984). Our meeting attendance consisted of: 16 Members, 6 Past Presidents, 1 Life Member, 0 Students, and 15 Guests for a total of 31.

Our speakers were Ms. Elli Overton and Ms. Catherine Bartlett and they spoke to us about the Lance Armstrong Foundation (LAF) as well as about Lance himself. Ms. Overton joined the LAF in 2001, and is originally from Australia most recently graduating from University of California, Berkeley. Elli captained the Cal Women's swimming team while she was in college. She also has competed in three Olympics in swimming for her native country of Australia. Ms. Bartlett joined the LAF in 2000, and recently lived in Houston as a personal assistant for Former Secretary of State James A. Baker, III at Baker Botts L.L.P.



The Lance Armstrong Foundation (LAF) is a non-profit organization founded in 1997 in Austin, Texas by Lance Armstrong to, "enhance the quality of life for those living with, through, and beyond cancer." The LAF strives to, "define, refine, and improve" cancer survivorship through many services and instilling hope in patients, families, and all others associated with cancer. The LAF focuses its resources in four areas: Survivorship education and resources, Community programs, National advocacy initiatives, and Scientific and clinical research grants. The LAF functions much like a venture capital firm by taking an "aggressive approach to funding projects and seek measurable outcomes in return." This approach allows the LAF to be very selective in the programs funded and research grants awarded. It also allows the funding of projects not readily fundable from traditional sources. To this date, the LAF has awarded more than \$3 million in grants for programs and research. One of the major fundraising activities is the Ride for the Roses Weekend currently scheduled for October 24~26, 2003 in Austin.

At age 25, Lance had become one of the best cyclists in the world. He had won the World Championships, the Tour Du Pont, and multiple Tour de France stages. Lance was then diagnosed with testicular cancer, which had spread to his abdomen, lungs, and brain. With his competitive spirit, his excellent physical conditioning, and a strong support system, Lance underwent an aggressive treatment and beat the disease. During his treatment, Lance created the LAF and became a "world representative for the cancer community." In the following years,

Lance's victories on the bicycle include Tour de France victories in 1999, 2000, 2001, and 2002 (and we now know 2003, 2004, and 2005 for seven total). Lance continues to lead the fight against cancer as a national speaker and a contributor to find the cure for cancer.

## JANUARY

January 16th found our chapter back at Tres Amigos at 1801 South Capital of Texas Highway for our early year Mexican food feast. The Chapter's Technical Session was on ASHRAE Standard 90.1, by Past President Mike Hart, P.E. The Main Program was presented by Mr. Matthew Nelson, of Johnson Controls, and covered "Controlling Network Infrastructures". The program covered the design considerations and application of a Building's complex network infrastructure, and how it is a growing concern to building owners, consulting engineers, and installing contractors. Networking controls encompasses the integration of the Energy Management System, Fire Alarm, Security, Lights and other controlled functions. Mr. Nelson provided us his views on the future of networking in the technology marketplace, many of these items will need to be addressed by consulting engineers in their designs. January was another Research Promotion Night and our attendance consisted of: 21 Members, 5 Past Presidents, 3 Life Members, 0 Students, and 5 Guests for a total of 34.

## FEBRUARY

The Chapter was once again at the Tres Amigos for our February 20th meeting. The Technical Session was on provided in honor of National Engineers Week February is "Engineering Month" and ASHRAE's Drew Harrison explained how Central Texas Engineers Week (E WEEK) promoted engineering, with their mission being to, "encourage school children to pursue technology careers by providing role models from the local engineering community." Drew discussed how they work with students including hands on experiments to emphasize teamwork and reasoning. Members of E WEEK also volunteer at various local community events. The main program was a panel discussion: "**HVAC for Schools – Chilled Water vs. DX**". The type of HVAC system for schools has been debated in informal settings for many years. The main program brought together owners/operators, engineers, and contractors to discuss the pros and cons of a chilled water system (chiller, boiler, and AHU's) versus a DX (packaged units or split systems). The discussion was narrated and questions were asked to the panel. Each side of the panel was allowed to offer the benefits for why either type of system is preferred. Topics that were discussed included first cost of equipment and installation. Also, the cost of operation and functionality of the types of systems was discussed from the view at full load and partial load scenarios. Design considerations such as humidity control, controlling of zones, and flexibility to expand was debated. Finally, some discussion occurred on the ability and cost impact for maintaining each type of system. Participation from the audience was encouraged and was very lively. Special thanks to our panelists: **Jay Gleitman & Richard Troncoso, P.E.** (supporting chilled water); and, **Fritz Stinson, P.E., Bob Lane & Terry Turnipseed** (supporting DX). Our attendance consisted of: 33 Members with 5 Past Presidents, 0 Life Members, 0 Students, and 10 Guests for a total of 43.



## MARCH

The March 20th meeting found the Chapter moving forward on all cylinders. President Ruth began the meeting by making a big push for the Spring CRC and the Annual Golf Tournament at the Circle C Golf, both coming up next month in April. In addition, Seminars Chair Wes Goodwin had two more seminars lined up. One was to be presented by Past Chapter President Mike Hart covering the mechanical aspects of the ASHRAE Standard 90.1. The second seminar in May would be Bell & Gossett's, The Little Red Schoolhouse from Chicago. They will be in town to provide a steam design seminar.

The program for this month consisted of a presentation, plant tour, and dinner at the SYSCO Corporation located at 101 Chisolm Trail in Round Rock. SYSCO is a nationwide distributor of food products ranging from dry goods to frozen foods. The SYSCO operation in Round Rock brings in food, stores it, and then distributes it to local restaurants and grocery stores. SYSCO is an acronym for Systems and Services Company as the focus on the success of their customers. The tour showed our members the distribution facility and low temperature cooling units consisting of DRY GOODS (room temperature goods - heating only), COOLER GOODS (low temperature goods – cooling only), and FREEZER GOODS (extremely low temperature goods – cooling only). Some of the products require temperatures of -20F and the cooling systems were described. The central plant had chilling units utilizing Ammonia refrigerant. Dinner was served after the plant tour in the upstairs cafeteria. Our attendance consisted of: 14 Members with 3 Past Presidents, 1 Life Members, 0 Students, and 3 Guests for a total of 17.



## APRIL

This month's meeting on April 17<sup>th</sup> found us again at Tres Amigos. This month also found several Chapter members preparing to attend the CRC in Fort Worth. This month's Technical Session was "Ultraviolet Lighting for Building Protection" by Chuck Dunn, Executive Vice President of Lumalier; a UV Air Disinfection Equipment manufacturer. Ultraviolet lighting has proven beneficial in addressing Indoor Air Quality (IAQ) of buildings. The lighting can either disinfect air as it passes by or shine onto a surface to prevent growth of mold and bacteria. The Main Program was the "Bioterrorism and Building Protection" by Wladyslaw (Wally) Kowalski. This presentation summarized recent research from Penn State on approaches for defending buildings against bioterrorism. The general subject of Immune Building Technology was introduced with special focus on chemical and biological preparedness for commercial facilities. Filtration, dilution ventilation, and ultraviolet germicidal irradiation (UVGI) were reviewed in terms of their ability to protect building occupants, and practical, cost-effective measures for protecting buildings were addressed. Membership Chair Stephen Greco also reported that it had been a good year for membership promotion thus far. We had done well with our goals as of the March 7<sup>th</sup> reporting date with our roster showing 287 members, or an increase of 14% over the previous year. We also had 22 new student members, which was an increase of 47% over year 2001-2002. At the time, our Chapter was battling our delinquencies that were reported at 35. April's attendance consisted of: 30 Members with 9 Past Presidents, 0 Life Members, 0 Students, and 4 Guests for a total of 34.

### **MAY**

May 15<sup>th</sup> was our last scheduled meeting of the year and President Ruth decided to do something different and had us meeting at the Copper Tank (a local brewery) on 504 Trinity Street in downtown Austin. President Ruth began by summarizing how much fun he had this year being President and that at our annual CRC meeting in Fort Worth Austin was recognized for: Research Promotion: Carl Crow, PAOE: Bob Love, Programs: Mark Merriman, Student Activities: Drew Harrison, TEGA: Carl Crow, Newsletter: Jim Ruth. Austin was also well represented in Fort Worth by Austin attendees: Joe Lowke & his wife, Larry Bloomquist, Jeremy Smith, Wes Goodwin and Bill Klock, TEGA RVC. The Technical Session was on "Saving Energy with Hydronic Pumps" by Roy Ahlgren, Director of ITT Fluid Handling's Training & Education Department. Energy savings was an important topic on everyone's minds, and Mr. Ahlgren provided us with several methods to save energy when using hydronic pumps. He will educate our group on tested methods that have proven to be energy. The Main Program was handled by Past President Carl Crow, who conducted the installation of the new ASHRAE Board of Governors and Chapter Officers for the 2003-2004 Program Years to serve under President Wes Goodwin.



### **JUNE - JULY**

The Austin Chapter took the summer off and did not meet during June and July. The finances of the Chapter were audited and the books accepted and passed to the new Treasurer for the new year beginning July 1st.

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