

# THE AUSTIN REGISTER

American Society of Heating, Refrigerating and Air Conditioning Engineers  
Austin, Texas  
[www.ASHRAE-Austin.org](http://www.ASHRAE-Austin.org)



Chapter Year 2003-2004

August 2003

## PRESIDENT'S MESSAGE

After a short summer break, the August meeting is upon us. We have an exciting Chapter year ahead. Our new Governor's Board consists of President Elect, Mark Merriman; Vice President, Jeremy Smith; Secretary, Cameron Labunski; Treasurer, Tom Green; and Board Chairs: Mike Davidson, Randy Schrecengost, Glenn See, and Drew Harrison. I would like to thank each Board member for their work through the summer in preparation for what is shaping up to be an exciting 2003-2004 season. In addition, I would like to thank the numerous chairpersons and committee members listed at the back of this newsletter for their contributions in support of the Chapter.

Mark Merriman will continue production of our award-winning newsletter (1<sup>st</sup> place awarded to Jim Ruth at last April's CRC). Jeremy Smith and Glenn See will be organizing some plant tours as well. Randy Schrecengost has volunteered to continue the seminar series started last year and has targeted October for a seminar on *Carbon Chemical Filtration Applications*. Drew Harrison will continue what has developed into an excellent rapport with an ex-

tensive amount of student groups (Drew also won an award at the CRC for his efforts).

Congratulations are in order for UT student Salome Balderama. Salome is the winner of the Region VIII Scholarship for 2003-2004 by the Scholarship Trustees. Normally this is presented at the Winter Meeting, but due to a conflict was not presented at that time. Therefore, as requested by ASHRAE Society, Drew will be awarding this scholarship during our October Chapter meeting.

The August Chapter meeting will be at the County Line on the Hill, where we will feast on all-you-can-eat barbeque! The program will include various design aspects associated with compressed air systems, and will be presented by Mr. Scott Whigham and Mr. Steve Houtz with Ingersall Rand of San Antonio. The presentation will provide a wealth of information on a subject that is of specific interest to those in the semiconductor, medical, and manufacturing industries. Also at this month's meeting, Mr. Hugh McMillan, Region VIII Director and Regional Chair (DRC), will pay us

a visit and will present a Region update. Please plan on joining us for some barbeque and Bernoulli on August 21.

My mission for the upcoming 2003-2004 Chapter year will be to provide the necessary Chapter leadership to best service and inform our members. So, your comments and suggestions are always welcome.



Respectfully submitted,  
*Wes Goodwin, P.E.*  
Chapter President



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### Special points of interest:

#### Next Chapter Meeting:

When: Thurs., August 21st  
Where: County Line (on the Hill)  
6500 Bee Caves Road  
Map Provided  
(512) 327-1742

Social Hour: 5:30-6:00 p.m.  
Tech Session: 6:00-6:15 p.m.  
Dinner: 6:15-7:00 p.m.  
Main Program: 7:00-8:00 p.m.  
Cost is \$20/person

#### Next Board of Gov. Meeting

When: Thur., August 21st  
4:30 p.m.  
Where: County Line (on the Hill)  
6500 Bee Caves Road  
Public Invited

#### Please RSVP to:

**Jeremy Smith**  
Ph 512-744-4400  
Fax 512-744-4444

[smithj@auseea.com](mailto:smithj@auseea.com)

## August Technical Session and Main Program Summary

*Submitted by: Jeremy Smith/Randy Schrecengost*

### Technical Session

**“Flow Control & Regulation of Compressed Air”** by Scott Whigham & Steve Houtz

With years of experience in the industry, Mr. Whigham and Houtz will enlighten us on the various aspects of flow control and regulation of compressed air. They will highlight the do’s and don’ts associated with the topic.

### Main Program

**“Designing and operating compressed air systems for lowest overall cost”** by Scott Whigham & Steve Houtz

Low operation cost is a key concern of everybody. Mr. Whigham and Houtz will cover both the initial cost and operating cost of using compressed air. With this in mind, they will discuss the various aspects of using reciprocating, rotary screw, and centrifugal compressors. The presentation will also include an overview of the accessories required such as dryers, filters, air storage, and flow control devices. Finally, they will teach us about the system layout requirements including piping layout, piping sizing, and point of use storage. We should be in for a very informative evening.

Mr. Whigham and Mr. Houtz work for Ingersoll Rand as General Manger and Systems Engineer, respectively. Mr. Whigham has a BS degree in Industrial Engineering from Iowa State University with a MBA from University of Texas, San Antonio.

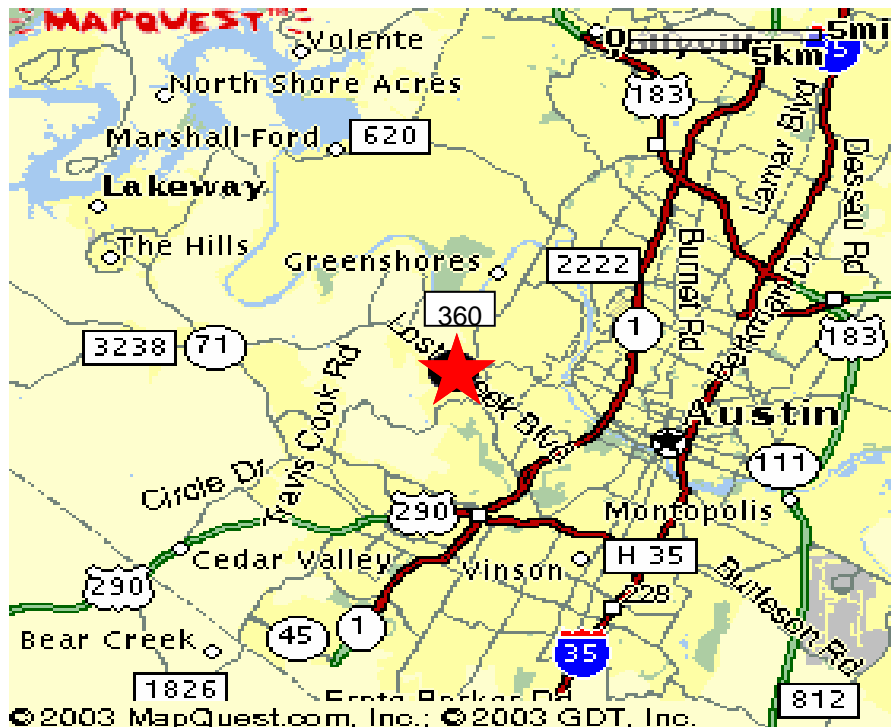




**DIRECTIONS:**

From North Austin: Take HWY 360 S. Exit Bee Caves Road and go Right. Restaurant will be 1/2 mile on the right.

From South Austin: Take HWY 360 N. Exit Bee Caves Road and go Left. Restaurant will be 1/2 mile on the right.



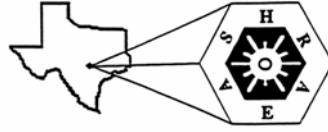


<b>2003-04 TREASURY REPORT</b>			
Category Name	Budgeted Amount (Proposed)	Year to Date	Budget Remaining
<b>Chapter Dues (Income)</b>	\$3,450		\$3,450
<b>Golf Tournament</b>			
Expense	\$10,500		\$10,500
Income	\$18,500		\$18,500
<b>Product Directory</b>			
Expense	\$1,700		\$1,700
Income	\$5,000		\$5,000
<b>Trade Shows-Seminars</b>			
Expense	\$1,000		\$1,000
Income	\$2,000		\$2,000
<b>Education Fund</b>	\$2,000		\$2,000
<b>Guest Speaker</b>	\$500		\$500
<b>Meeting Meals</b>			
Expense	\$6,000		\$6,000
Income	\$5,000		\$5,000
<b>Newsletter</b>			
Postage	\$900		\$900
Printing	\$200		\$200
<b>Region VIII Fee</b>	\$150		\$150
<b>Research Contributions</b>			
Expense	\$8,000		\$8,000
<b>Student Memberships</b>	\$200		\$200
<b>Supplies</b>	\$40		\$40
<b>Website</b>	\$430		\$430
<b>Total Income</b>	\$33,950	\$0	\$33,950
<b>Total Expenses</b>	\$31,620	\$0	\$31,620

The current balance of the Wells Fargo checking account as of 7/31/03 is \$12,637.78.

*Submitted by: Jeremy Smith and Tom Green*

**PDH credits for attending ASHRAE meetings... Find out more at Thursday's meeting!**



### Board of Governors Meeting

May 15, 2003 Copper Tank

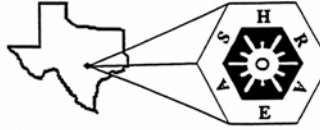
## Meeting Minutes

### Officer Reports

- a. President (Ruth)
  - CRC Discussed: Student meal free/e-vite/1-hr PDH Credit/lunch meetings/scholarships or student ASH-RAE Fees/Publish meetings in construction circulars.
  - Officer material turn-over June 30<sup>th</sup>
  - Inductions to be given by Carl crow
- b. President-Elect (Goodwin)
  - Monthly BOG meetings to continue over summer.
  - Next meeting – Lunch mid-June, will notify.
- c. Vice President (Merriman)
  - Next year's meetings possibly at Copper Tank in back room. (good-food/price \$9.75 per plate/location, bad- 50% deposit/pay extra plates)
  - B&G Steam Seminar was great.
  - B&G to sponsor tonight's speaker.
- d. Secretary-Elect (Labunski)
  - Send meeting minutes
- e. Treasurer, Webmaster (Smith)
  - IRS Reporting – Will contact National to see if filing is required.
  - Audit Committee Meeting – Had initial meeting.
  - New website is up and running successfully and can be seen outside his office.
  - Roster and Product directory ready tonight.
  - Seminar 26/28 (sign/show) / \$2,100.00 income / \$0.00 costs / \$5,000.00 for entire year.

### BOG Reports

- a. Research Promotion (Love)
  - June 30<sup>th</sup> Deadline.
- b. Membership/ PAOE (Greco)
  - PAOE – No Update.
  - Membership – Steve will contact gentlemen about membership
- c. Student Activities (Harrison)
  - Contact UT within 2-weeks.
  - Discussed the UT Austin scholarship. No scholarship will be given this year
  - Discussed sending unused scholarship funds to pay for student ASHRAE Memberships. BOG accepts request.
  - E-week @ U.T. needs \$250.00 for next 2-years, BOG approves.
- d. TEGA (Treadway) - Absent
- e. Refrigeration (Kiely) - Absent

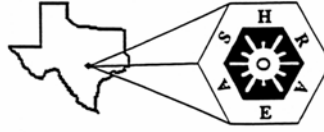


## Board of Governors Meeting

June 19, 2003 – 12:00 PM – Goodwin Engineering

### Meeting Minutes

1. Officer Reports
  - a. Wes Goodwin, President
    - Need nominating committee: Tabled, still Looking to fill position
    - Auditing committee – Carl Crow. Results of last year's auditing committee. Still Looking to fill position
    - Seminars – Plan on two seminars. Still Looking to fill position; trying to find someone other than BOG to operate seminars
    - BOG Meetings - Continue through summer (possibly @ 4:30)
    - IRS filing
  - b. Mark Merriman, President Elect
    - Newsletter – Submission/deadline requirements of BOG
    - Purchase Adobe Writer/MS Publisher
    - All info for Newsletter is needed be 1<sup>st</sup> Thursday of each month to be included for the month.
    - Make sure Austin History Center and ASHRAE Nat'l receive Newsletter
  - c. Jeremy Smith, Vice President
    - Programs – Preliminary Agenda, post in newsletter, anticipated meeting location
    - Possible Programs include: A/C in humid systems by AAON / B&G Energy Savings in Pumps / Panel Meeting (gray area of specifications or heat wheels) / Chemical Treatment / TAB / Commissioning / Past Presidents & significance of banners
    - Webmaster – Status of site. Currently updating
    - Golf – By Jim Ruth
    - Bank Account - Stay at Wells Fargo. Both past and Present President and Treasurer must go to bank in person to verify identity
    - ASHRAE Research
      - Golf Tournament Net = \$10,500 - \$11,000
      - We donated \$8,000
      - Possibly donate an additional funds (\$2,000)
    - Our average balance is approximately \$6,000
  - d. Cameron Labunski, Secretary
    - Meeting minutes for all BOG meetings, posted in newsletter
    - Collect Banners and Flag from Wes
    - Send Merriman meeting minutes by 1<sup>st</sup> Thursday to be included in Newsletter
  - e. Tom Green, Treasurer
    - Treasurer – Financial info from Jeremy, change banking authority from Jeremy to Tom, get IRS reporting status from Jeremy
    - Current financial status from Jeremy, budget
    - Financial information to change hands 06/30/03
2. BOG Reports
  - a. XXXX, BOG 1
    - Research promotion – By Jim Ruth
    - Historian
  - b. Mike Davidson, BOG 2
    - PAOE – Early reporting requirements
    - Login: AUSTIN, Password – TEX066
  - c. Randy Schrecengost, BOG 3
    - Membership – Ken Simpson, phone committee. Needs call list to start
    - Honors and Awards – Bill Klock
    - Reception – Paul Cherry. Has not yet been contacted
    - Roster – Morgan Stinson
  - d. Glenn See, BOG 4
    - TEGA-Mark Treadway. None
    - Refrigeration
  - e. Drew Harrison (Absent), BOG 5
    - Student activities
3. Other Business.
  - Jim resigned from BOG, but will still do the Golf Tournament and Research Promotion.
4. Time and Locations of Next meeting: **July 17, 2003.**



### Board of Governors Meeting

July 17, 2003 – 12:00 PM – Holiday Inn @ Mopac/183

## Meeting Minutes

1. Officer Reports
  - a. Wes Goodwin, President
    - Tax Filing – Submit form to IRS as required.
      - Jeremy has the form and Deadline information.
      - Cameron will talk to his CPA (Mother) about assisting the Chapter with filling-out forms.
  - b. Mark Merriman, President Elect
    - Newsletter – Status of software purchase
      - Publisher = \$90, Adobe Professional = \$395; Still waiting on other pricing, etc.
      - BOG approves purchase of software at full price if not available otherwise.
      - Wes Goodwin – President's Message, Jeremy – Meeting Lists, Cameron – Meeting Minutes, Tom – Treasurer's Report, Other – Student Activities/TEGA-Refrigeration/Article/Filler.
  - c. Jeremy Smith, Vice President (Absent)
    - Programs – Anticipated meeting location
      - Still looking.
    - Webmaster – Status of site
      - None
  - d. Cameron Labunski, Secretary
    - Possibly absent for August.
  - e. Tom Green, Treasurer
    - Treasurer – Exchange signatory authorization at Wells Fargo.
      - Exchange time/date has not yet been defined.
    - Current financial status from Jeremy, budget
2. BOG Reports
  - a. XXXX, BOG 1
    - Research Promotion – By Jim Ruth
    - Golf – By Jim Ruth – Contract for approval from Mark Merriman
      - Same date - week after Easter.
      - Same terms (price, etc.)
      - BOG approved terms.
  - b. Mike Davidson, BOG 2 (Absent)
    - PAOE update
      - Meet with Regional Chair Person prior to September 1<sup>st</sup>.
  - c. Randy Schrecengost, BOG 3 (Absent)
    - Membership – Ken Simpson, phone committee
    - Honors and Awards – Bill Klock
    - Reception – Paul Cherry
    - Roster – Morgan Stinson
    - Seminars – status update
    - Historian
  - d. Glenn See, BOG 4
    - TEGA-Mark Treadway
      - None
    - Refrigeration
  - e. Drew Harrison, BOG 5
    - Student activities
      - On summer break; start up again in August.
      - Cameron to assist in perusing student involvement.
3. Other Business.
  - None
4. Time and Locations of Next meeting: **August 21, 2003.**



# ASHRAE Program Organizer Year 2003-2004

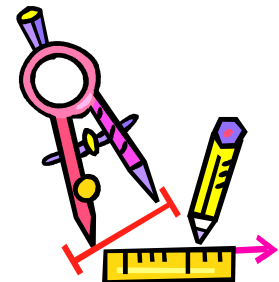
Month	Date	Location	Tech Session			Theme
			Speaker	Company	Topic	
August	8/21	County Line (on the hill)	Scott Whigham & Steve Houtz	Ingersoll Rand	Flow Control and Regulation of Compressed Air	Membership Promotion
September	9/18	County Line (on the hill)	Steven Rowley	Particle Measuring Systems	Airborne Molecular Monitoring	RP
October	10/16	County Line (on the hill)	Ken Luther	Little Red Schoolhouse	Hydronic Pumping Systems	Student Month
Nov/Dec	TBA	TBA	TBA	TBA	TBA	Holiday Banquet
January	1/15	TBA	TBA	TBA	Refrigeration Tour	TBA
February	2/19	TBA	TBA	TBA	The Benefits of Testing and Balancing	TBA
March	3/18	TBA	TBA	TBA	Nat. Electronics Manufacturing Initiative	TBA
April	4/15	TBA	TBA	TBA	Air-to-air Energy Recovery	Nominating
May	5/20	TBA	TBA	TBA	TBA	Officer Induction

Month	Date	Location	Dinner Presentation			Theme
			Speaker	Company	Topic	
August	8/21	County Line (on the hill)	Scott Whigham & Steve Houtz	Ingersoll Rand	Designing and operating compressed air systems for lowest overall cost.	Membership Promotion
September	9/18	County Line (on the hill)	Mark Huza	Camfil	Chemical Filtration Technologies	RP
October	10/16	County Line (on the hill)	Ken Luther	Little Red Schoolhouse	Hydronic Pumping Systems	Student Month
Nov/Dec	TBA	TBA	TBA	TBA	TBA	Holiday Banquet
January	1/15	TBA	TBA	TBA	Refrigeration Tour	TBA
February	2/19	TBA	TBA	TBA	The Benefits of Commissioning	TBA
March	3/18	TBA	TBA	TBA	National Electronics Manufacturing Initiative	TBA
April	4/15	TBA	TBA	TBA	Panel Discussion: Heat Wheels	Nominating
May	5/20	TBA	TBA	TBA	TBA	Officer Induction

Submitted by: Jeremy Smith



## BACK TO SCHOOL!



# ASHRAE

## Chemical Filtration Applications Design Seminar

Conducted by

*Purafil, Inc.*



**EnerSave**

➤ Are indoor air quality and energy conservation mutually exclusive goals? The use of filtration and recirculation for compliance with ASHRAE Standard 62.1.

➤ The specialized filtration needs for museums, libraries, and archives.

➤ Airborne molecular contamination (AMC) control for the semiconductor, disk drive, and microelectronics industry – assessment, control, and monitoring considerations.

➤ General IAQ and odor control for commercial applications – airports, hospitals, recreational facilities, office buildings, animal research facilities



**AMC**

# Austin ASHRAE Filtration Systems Design Seminar

## Seminar Info

October 9, 2003 11:30 am – 4:30 pm

Dynamic Systems Conference Room (3901  
South Lamar, Suite 300)

**Cost:** \$50 / person

**RSVP:** Fill out the following form and fax  
to 512-933-5617



**PURAFIL**  
First...in clean air



# Austin ASHRAE Filtration Systems Design Seminar

Please fill out form below and fax to 512-933-5617  
Call Randy Schrecengost at 512-933-3426 for any Questions

**REGISTRATION DEADLINE: October 2, 2003**

## Registration Form Chemical Filtration Applications Design Seminar Fee - \$50 / person October 9, 2003 11:30 am - 4:30 p.m. DSI Training Room 3901 South Lamar, Suite 110 Austin, Texas

Attendees need to arrive beginning at 11:30 for lunch, Seminar will start promptly at 12:30 pm.

Name:

Company:

For Payment With Credit Card\*

Name on  
Credit Card

E-mail  
Address:

Credit Card  
Number

Credit Card  
Exp. Date

**\*\*Note: Credit Card Charges will  
appear on your statement as  
"DataBank"**

**\*If paying by check, make payable to "Austin ASHRAE" and mail with payment to  
Goodwin Engineering  
Attn: ASHRAE Seminar  
11615 Angus Road, Suite 211  
Austin, TX 78759**

**Class Size is limited to 80 people. Please register early.**



## Standard 62 Addendum Approved

### ASHRAE Revises Ventilation Rate Procedure

KANSAS CITY, MO. -- An addendum to the ASHRAE ventilation standard addressing ventilation rates has been approved for publication.

ANSI/ASHRAE Standard 62-2001, *Ventilation for Acceptable Indoor Air Quality*, sets minimum ventilation rates and other requirements for commercial and institutional buildings.

Addendum 62n was approved for publication at the Society's 2003 Annual Meeting held here June 28-July 2.

The addendum will revise the standard's ventilation rate procedure.

The revision will make it easier for designers to determine design ventilation rates and reduce the potential for overventilation in some densely occupied spaces, according to David Butler, P.E., committee chair.

The addendum will base ventilation requirements on the number of people a space is expected to hold, as well as the space's floor area, Butler said. The procedure is used to calculate minimum outdoor ventilation requirements for a building ventilation system.

For example, in an office building, the procedure is used to determine the outdoor air requirement for each space type (offices, conference rooms, corridors, etc.), which are in turn used to determine the amount of outdoor air intake required at the air handler.

The existing procedure, issued in 1989, contains a number of requirements that are difficult for designers to comply with and that do not allow designers to explicitly account for occupant density in a space, Butler said.

The addendum is subject to a 15-day appeals period to the Board of Directors. Published addenda to ASHRAE standards are available for free at ASHRAE.org, [www.ashrae.org](http://www.ashrae.org).

*Reprinted from ASHRAE's "The HVAC&R Industry" electronic publication.*



## ASHRAE Addendum Addresses Recirculation of Air

KANSAS CITY, Mo. -- A proposed addendum to the ASHRAE ventilation standard that limits recirculation of air in buildings has been approved for a fifth public review.

ANSI/ASHRAE Standard 62-2001, *Ventilation for Acceptable Indoor Air Quality*, sets minimum ventilation rates and other requirements for commercial and institutional buildings.

Addendum 62y was approved for a fifth review at ASHRAE's 2003 Annual Meeting held here June 28-July 2. Public review dates July 25 through Sept. 8.

The proposed addendum adds a new section that defines four classes of indoor air and limits recirculation of lower quality air into spaces that contain air of higher quality.

The proposed addendum would create requirements for recirculation of air, making it clear to designers what can and cannot be recirculated to where, according to David Butler, P.E., committee chair.

The foreword to the addendum describes the classifications and recirculation criteria, which are:

Class 1: Air with low contaminant concentration and inoffensive odor and sensory-irritation intensity, suitable for recirculation or transfer to any space.

Class 2: Air with moderate contaminant concentration, mildly offensive odors or sensory-irritation intensity. It also includes air that is not necessarily harmful or objectionable but which is inappropriate for transfer or recirculation to spaces used for different purposes.

Class 3: Air with significant contaminant concentration or significant offensive odor or sensory-irritation intensity that is suitable for recirculation within the same space. Class 3 air is not suitable for recirculation or transfer to any other spaces.

Class 4: Air with highly objectionable fumes or gases or potentially containing dangerous particles, bioaerosols, or gases at a concentration high enough to be considered harmful, not suitable for recirculation or transfer within the space or to any other space.

The addendum does not address recirculation or transfer of air from smoking areas to no smoking areas.

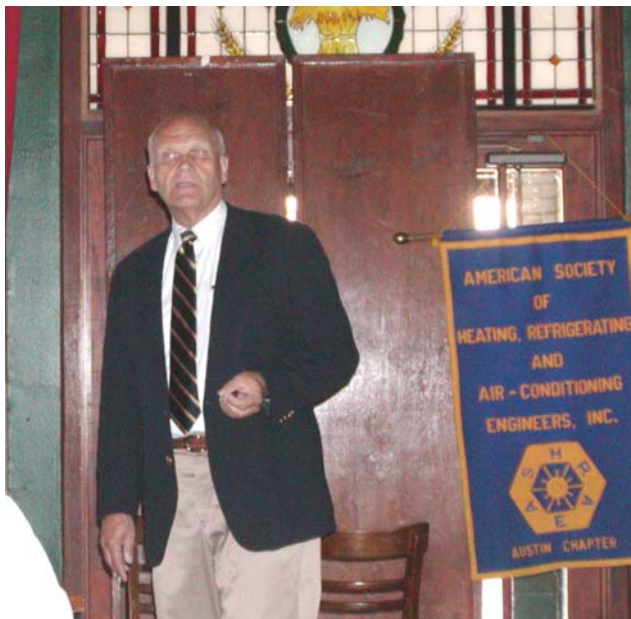
A public review draft is available as a .zip file in the Standards section of [ASHRAE online](#).

*Reprinted from ASHRAE's "The HVAC&R Industry" electronic publication.*



New Board of Governors and Chapter Officers are inducted by Past President Carl Crow

Chapter President for Year 2002-2003, Jim Ruth handing off the Presidency to Wes Goodwin after an excellent year of leadership.



May speaker from B&G's Little Red Schoolhouse presenting on steam system design.



# THE AUSTIN REGISTER

Austin ASHRAE Chapter  
 c/o YORK International  
 2101 E. St Elmo, Suite 330  
 Austin, Texas 78744



## THE AUSTIN ASHRAE CHAPTER VOLUNTEERS - 2003 - 2004

Position	Name	Bus. Ph.	Fax	E-Mail
President	Wes Goodwin, P.E.	512-349-9667	512-349-9668	wes.goodwin@goodwinengineering.com
President-Elect	Mark Merriman	512-481-0220	512-499-8528	mark.merriman@york.com
Vice President	Jeremy Smith	512-744-4417	512-744-4444	smithj@auseea.com
Secretary (Parliamentarian)	Cameron Labunski	512-440-8333	512-440-8328	clabunski@acreng.com
Treasurer	Tom Green, P.E.	512-345-7793	512-345-7201	tomg@tgce.com
<b>BOARD OF GOVERNORS</b>				
BOG - 1(1st PP)				
BOG - 2	Randy Schrecengost, P.E.	512-934-3421	512-934-7277	ra6557@email.sps.mot.com
BOG - 3	Mike Davidson	512-894-3086	512-894-0867	stepheng@htseng.com
BOG - 4	Glenn See	512-443-4848	512-443-7575	gsee@tab-tech.com
BOG - 5	Drew Harrison	512-416-8822	512-416-8894	dharrison@trane.com
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CRC Alternate Delegate (Vice President)	Mark Merriman	512-481-0220	512-499-8528	mark.merriman@york.com
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Golf	Jim Ruth, P.E.	512-443-4848	512-448-9802	jruth@dynamicsys.com
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Honors and Awards	Bill Klock, P.E.	512-744-4410	512-744-4444	KlockB@auseea.com
Reception	Paul Cherry	512-349-9667	512-349-9668	paul.cherry@goodwinengineering.com
Roster	Ken Simpson	512-744-4400	512-744-4444	simpsonk@auseea.com
Chapter Programs/Tech Sessions	Jeremy Smith	512-744-4417	512-744-4444	smithj@auseea.com
Seminars	Randy Schrecengost, P.E.	512-934-3421	512-934-7277	ra6557@email.sps.mot.com
Student Activities	Drew Harrison	512-416-8822	512-416-8894	dharrison@trane.com
Webmaster	Jeremy Smith	512-744-4417	512-744-4444	smithj@auseea.com
Refrigeration	Glenn See	512-443-4848	512-443-7575	gsee@tab-tech.com
TEGA	Mark Treadway	512-444-1835	512-444-5522	markt@mehcrepscom
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Auditing Committee	Carl Crow, P.E.	512-416-1654	512-416-7547	carl.crow@goetting.com
Historian	Randy Schrecengost, P.E.	512-934-3421	512-934-7277	ra6557@email.sps.mot.com

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