

THE AUSTIN REGISTER

AUSTIN, TX CHAPTER, ESTABLISHED 1956

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Next Chapter Meeting

TOPIC:

**Energy Consumption in the
Restaurant Industry**

WHEN:

Lunch

December 18 at 11:30AM

Where:

**The County Line
on the Hill**

Cost:

\$25.00

CHAPTER PRESIDENT'S MESSAGE

ASHRAE Austin:

We have another LUNCH meeting this month to accommodate those with Holiday evening plans. Always a joy to see new faces for those that lunchtime works better for. Very interesting topic of kitchen ventilation presented by Accurex. Since it's a special time of year, I'll depart from my typical president's message and offer a fun spin on "Twas The Night Before Christmas". Enjoy!

In an effort to minimize potential liability and calm homeowners' concerns, the following report is submitted by the Association's legal counsel.

Whereas, on or about the night prior to Christmas, there occurred at a certain condominium (hereinafter "Unit" with identifying numbers redacted for privacy purposes) a general lack of stirring by creatures therein, including, but not limited to a mouse (an issue under review with the Association's pest control company). Socks had been affixed around the chimney in the hope that St. Nick aka Santa Claus ("Claus") would arrive sometime thereafter.

The Board asked our firm if the hanging of socks was a violation of the governing documents. After extensive review by one of our associate attorneys, it was determined that no violations occurred. The CC&Rs (covenants, conditions, & restrictions) and Condo Plan identify the mantle as part of the Unit. As such, owners are allowed to decorate their mantles.

Occupancy Restrictions. The minor residents, i.e. children residing at the

forementioned Unit in conformance with the Association's occupancy restrictions, (which allow no more than two residents per bedroom and one for the unit i.e., the 2 + 1 rule), were in their beds and engaged in dreams of candies, nuts and/or sugar plums (also not a violation of any Association rules). According to declarations submitted by the owners of the Unit, members in good standing, they too retired to their beds.

Security Incident. Suddenly, and without prior notice or warning, there occurred a disruption in the common areas. One of the aforementioned residents immediately rushed to a window to investigate the cause of the commotion. Whereupon was observed, with some degree of wonder and/or disbelief, an unregistered sleigh being pulled through the air by approximately eight (8) undocumented reindeer, having breached security by failing to stop at the guard station at the front gate. (The Board is reviewing possible changes to security procedures to avoid such incidents in the future.) The unlicensed driver of the nonconforming vehicle appeared to be the previously referenced Claus.

Co-Conspirators. Said Claus was giving direction to the reindeer and specifically identified the animal co-conspirators as: Dasher, Dancer, Prancer, Vixen, Comet, Cupid, Donder and Blitzen (hereinafter the "Deer"). Upon information and belief, it is further asserted that an additional co-conspirator named Rudolph may have been involved.

(Continued on page 2)

**WE LOOK FORWARD TO SEEING EVERYONE AT THE NEXT MONTHLY MEETING. PLEASE
DISTRIBUTE THIS NEWSLETTER TO ALL INTERESTED FRIENDS AND COLLEAGUES.**

CHAPTER PRESIDENT'S MESSAGE (CONT.)

The Association's management company is checking its records to see if it has any contact information for Claus and his accomplices.

Rules Infraction. According to members who witnessed the incident, the vehicle and Deer trespassed upon the common area roofs without Board permission and in clear violation of the Rules & Regulations. Because of possible insurance implications, the Association's insurance carrier was notified. The potentially unsafe vehicle was filled with what appeared to be items of unknown origin or nature. Suddenly, without prior invitation or permission, either express or implied, the vehicle arrived at the Unit, and Claus entered via the exclusive use chimney in further violation of rules requiring all guests use front doors only.

CC&R Violation. The aforementioned unauthorized guest was clad in a red suit and carried a large sack containing toys, together with other unknown items. Claus was smoking tobacco in a small pipe in clear violation of a recent CC&R amendment against smoking in Units. (The smoking ban is currently under legal challenge by a chain-smoking couple who believe they should have been grandfathered. The unbudgeted legal fees created by the litigation may result in an emergency special assessment after the first of the year. A copy of the complaint is available for review in the management office.)

Hardwood Floors. The boots worn by Claus also made excessive noise on the hardwood floors and woke the owners in the unit below—a matter scheduled for discussion at the next board meeting to determine if acoustical standards should be raised for future hard surfaced floor installations. Members are invited to express their opinions on this important issue during the Open Forum portion of the meeting. An agenda will be posted on bulletin boards at least four days prior to the meeting.

Nonprofit Status. Claus immediately filled the stockings of the aforementioned minor children with toys and other small gifts. (Out of an abundance of caution, we asked a CPA to determine if this jeopardizes the Association's nonprofit status.) Upon completion of the task, Claus touched the side of his nose and flew up the chimney to the roof where the Deer waited as lookouts beside the overloaded sleigh. (The Maintenance Committee will meet with a roofing contractor to examine the roof for potential damage. If any is found, the Unit owner visited by Claus may be specially assessed for the damage.)

Claus quickly departed for an unknown destination. However, prior to his departure Claus was heard to exclaim: "**Merry Christmas to all and to all a good night!**" Or words to that effect.

Looking forward to seeing everyone on Thursday, December 18th for lunch at County Line.

Sincerely,
Derrick Van West



CHAPTER MEETING PROGRAM SUMMARY

“Energy Consumption in the Restaurant Industry”

ASHRAE Austin Chapter

2014, December 18

Main Program Presented By: Tim Freemyer

Tim Freemyer is an Executive Account Manager for Accurex, a Division of Greenheck Fan Corp. Tim’s work is concentrated on the equipment/design of kitchens in the commercial industry. Tim has a mechanical engineering background and has been working with Accurex in the Austin market for 5 years.

[Register For Meeting Now!](#)



Previous Meeting Recap

I think everyone thoroughly enjoyed Dan Int-Hout’s presentation on thermal comfort and air distribution. Dan was funny and engaging. Please let us know what you think of our programs.

Email David.Diggers@HTS.com

**Lunch Meeting
No Tech Session!!!**

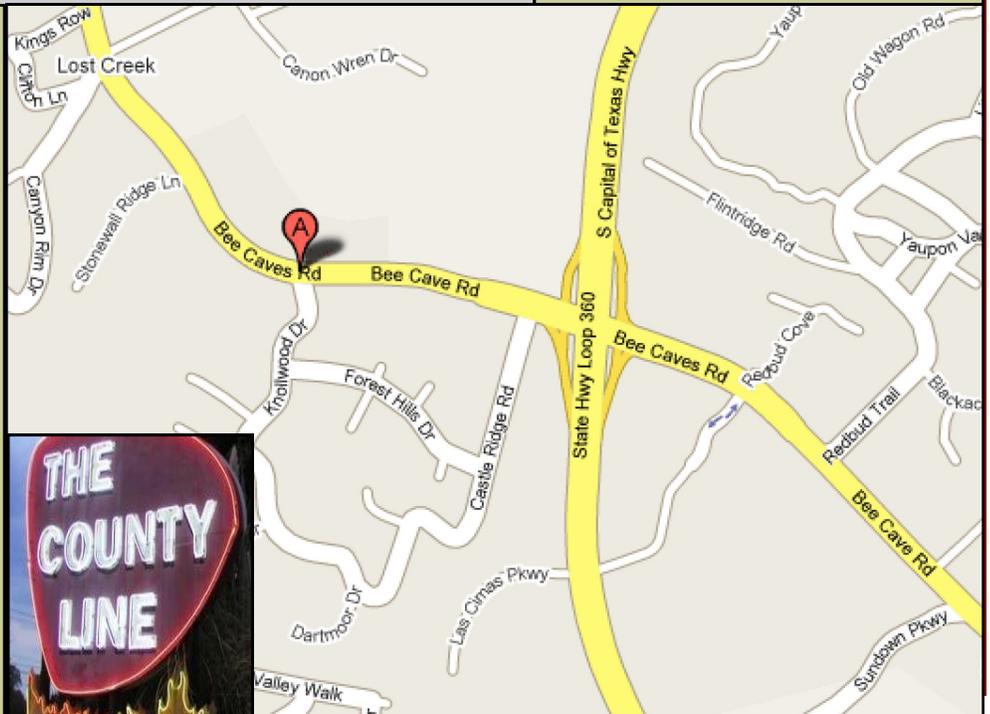
Schedule:

Main Program 11:30 AM

Location

County Line on the Hill
6500 Bee Caves Road
Austin, TX 78746
(1/2 mile west of Loop 360)

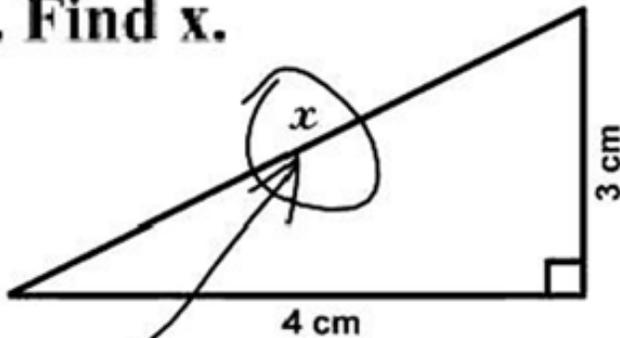
Cost is \$25/person



JOKES

Maths question for engineers

3. Find x .



Here it is



2013-2014 MEETING CALENDAR

ASHRAE Program Organizer Year 2014-2015

Month	Date	Location	Session	Program / Technical Session			Theme
				Speaker	Company	Topic	
August	8/21	County Line (Hill) Dinner Meeting	Main Program	Jerry Lamping	USGBC	The Need for Better Ventilation Practices in Schools	Membership Promotion (S)
			Tech Session	Chris Richardson	DXS	VRV	
September	9/18	Dave & Busters Dinner Meeting	Main Program	Adam Richie, PE, Attorney-at-Law	Coats Rose	Navigating the Minefield of Risk in Construction	None
			Tech Session	David Bacorn, PE	EEA		
October	10/16	Austin Beer Garden Brewery	Main Program	Brewery Tour	Austin Beer Garden Brewery	Brewery Tour	YEA Month
			Tech Session	Brewery Tour	Austin Beer Garden Brewery	Brewery Tour	
November	11/20	County Line (Hill) Lunch Meeting	Main Program	Dan Int-Hout	Krueger	We Can't Afford Discomfort	None
			No Tech Session	N/A	N/A	N/A	
December	12/18	County Line (Hill) Lunch Meeting	Main Program	Tim Freemyer	Accurex		RP Recognition
			No Tech Session	N/A	N/A	N/A	
January	1/15	County Line (Hill) Dinner Meeting	Main Program	C.W. Clark	Texas Board of Professional Engineers	Engineering Ethics	None
			Tech Session	TBD	TBD	TBD	
February	2/27	Cedar Park Events Center	Main Program	Kevin Benter	TD Industries	Tour of the Ice Making System & Hockey Game	Engineers Week / Sustainability
			No Tech Session	N/A	N/A	N/A	
March	3/26	The High Ball	Main Program	TBD	TBD	TBD	Student Month
			Tech Session	TBD	TBD	TBD	
April	4/16	TBD Lunch Meeting		TBD	TBD	TBD	Research Promotion
			No Tech Session	N/A	N/A	N/A	
May	5/21	County Line (Hill) Dinner Meeting	Main Program AIA Joint Meeting	TBD	TBD	TBD	Officer Induction / Past Presidents Night
			Tech Session	TBD	TBD	TBD	

(S) Indicates Chapter Program focused on Sustainability

(DL) Indicates ASHRAE Distinguished Lecturer Program

(AIA) Indicates AIA Joint Meeting

(BOMA) Indicates BOMA Joint Meeting

(USGBC) Indicates USGBC Joint Meeting

(ABC) Indicates ABC Joint Meeting

Submitted By: David Driggers, Programs

TREASURER'S REPORT

Treasurer's Report (Fiscal Year Ending 6/30/15) - 2015

7/1/2014 through 6/30/2015 Using 2014-2015

'2014	7/1/2014 Actual	- Budget	6/30/2015 Difference
Category			
INCOME	16,467.13	61,500.00	-45,032.87
Austin Chapter Dues	1,680.00	5,000.00	-3,320.00
Bowling Tournament Income	0.00	2,000.00	-2,000.00
Golf Tournament	0.00	30,000.00	-30,000.00
Meeting Income	4,581.13	10,000.00	-5,418.87
Sporting Clay Event	10,206.00	13,000.00	-2,794.00
Student Activities Donations	0.00	1,000.00	-1,000.00
Trade Shows and Seminars Income	0.00	500.00	-500.00
EXPENSES	13,262.19	61,500.00	48,237.81
Accountant (Taxes)	0.00	275.00	275.00
Bowling Tournament Expenses	0.00	1,000.00	1,000.00
Constant Contact	290.00	375.00	85.00
Golf Tournament Expense	0.00	14,000.00	14,000.00
Guest Speaker	92.29	500.00	407.71
Meeting Meals	5,147.56	12,000.00	6,852.44
Membership Promotion Training	0.00	500.00	500.00
Miscellaneous: Bank Charge	0.00	0.00	0.00
Miscellaneous: PO Box	0.00	0.00	0.00
Other Miscellaneous	349.99	0.00	-349.99
Region VIII Membership	0.00	2,000.00	2,000.00
Research Contribution	0.00	19,250.00	19,250.00
Sporting Clay Expense	7,282.35	7,500.00	217.65
Student Activities General Expenses	0.00	1,500.00	1,500.00
Student Scholarships	0.00	1,500.00	1,500.00
Trade Shows and Seminars Expense	0.00	500.00	500.00
YEA General Expenses	0.00	350.00	350.00
YEA Leadership Weekend	100.00	250.00	150.00
Net Difference:	3,204.94	0.00	3,204.94

Account Balances - As of 11/30/2014

(Includes unrealized gains)

As of 11/30/2014

Account	11/30/2014 Balance
Bank Accounts	
ASHRAE CHECKING	7,907.32
Savings	1,023.40
TOTAL Bank Accounts	8,930.72
Investment Accounts	
2013 Austin CRC Fund	0.00
TOTAL Investment Accounts	0.00
OVERALL TOTAL	8,930.72

Submitted By: Steve Hansen, Treasurer

BOG MEETING NOTES

Austin ASHRAE – BOG Meeting Agenda
 Nov 20, 2014
 11am
 County Line

Attendees:

1. Derrick Van West, President
 - a. Need to write an epic President's message every month. Was anyone inspired?
 - b. Discuss ideas for improving membership & meeting attendance. **WE MUST DO BETTER.**
 - c. ASHRAE University. Volunteers to teach a topic? Suggestions on topics _____
Amount we should charge?
2. David Bacorn, President Elect/ Newsletter Editor -
 - a. Feedback on newsletter?
 - b. **Austin Membership List** – get access or excel export from Ryan Burke
3. David Driggers, Vice President / Programs
 - a. Update on meetings & locations booked so far
 1. Jan – Ethics Dinner at County Line
 2. Feb – Dinner at Cedar Park Event Center– Hockey Tour
 3. Mar – Student Month, Highball south (4th Thursday)
 4. Apr – Var pumping
 5. May – 90.1 2010
 - b. **Important – send monthly updates to your RVC: done??**
 - c. Program Ideas:
 1. Review of PDH available, plus certifications available as Tech Session
 1. Need a list of Region and Society volunteers from Austin?
 - a. TC, Standing, Membership... etc
 2. Spencer to get the list from Staff Liaison (Daniel or Rhiannon Loomis)
 - d. Book appointments with key MEP principals for what will encourage them & their employees to attend. Bring a YEA member. **Any progress/feedback?**
 1. Bay, TGCE, HMG, JCE - Spencer
 2. ORA, Guerra - Justin
 3. IMES, Bury, HCE, ACR, Shah, Agnew, TEESI – Derrick (Shah done on 9/11)
 4. PSP, MEJ – David D
 5. DBR, TTG - Ryan
 - e. Outlook calendar meeting invites for entire year (make all day event).
 1. Sent to members? – David sent all dates to Andrew. Action item on Andrew to send out "save the save" placeholder on ASHRAE meeting dates.
 4. Steve Hansen, Treasurer
 - a. \$3,750 net from sporting clays
 5. Vanessa Maryott, Secretary
 1. Randy to check with Austin History Museum to see if they want the old banners
 2. Remind Justin to bring loose awards for banner
 - b. PDH to be put in the newsletter for the following month?
 1. Randy S to check on the TBPE rules on mass mailing PDH certificates
 6. Justin Johnson, BOG 1 Research Promotion

CHAPTER MAY NOT ACT FOR THE SOCIETY

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

AN INTERNATIONAL ORGANIZATION

Submitted By: Vanessa Maryott

BOG MEETING NOTES

- a. Bowling tournament? Mark or Justin planning this?
 - L. 1st or 2nd week of March suggested by Steve Hansen since there are 5 weeks between Feb and Mar meetings.
- 7. Mark Mikulin, BOG 2 Auditing/Nominating
 - a. no new action items
- 8. Randy Schreengost, BOG 3 Historian/Administrator -
 - a. Randy to send Bacon snippets to include in the newsletter. Great job, keep this up.
 - b. Need History tech session scheduled for 2014-2015
 - c. Jennifer taken to lunch & given rundown of History??
 - d. Look to see if History Museum will take old ASHRAE banner
- 9. Spencer Rothery, Membership Promotion -
 - a. Create a new list for delinquencies – please send this to entire MP committee.
 - b. DV needs meeting attendance and membership #s every month!
 - c. Send monthly update to membership RVC – is this happening?
- 10. Jeff Miller, Student Activities
 - a) Collegiate:
 - 1. Events for 2014-2015 brainstorm
 - a. Student Month - March
 - b. Offer free Bowling Tournament team in March?
 - 2. Potentially have the students update their own portion of the website rather than going through the chapter Webmaster. Streamline, and webmaster doesn't have to play traffic cop.
 - 3. 1st Thursday of the Month – regular meetings
 - 4. Student month March 2015, meeting moved one week later to avoid spring break
 - 5. Publish list of recurring student event
 - b) K-12:
 - 1. Alicia Reich (Schneider), head of k-12 activities. Danny Richardson (Trane)
 - a. Gayle Davis (Stanley) backup, but limited involvement
 - 2. Boy Scouts STEM "Reverse Science Fair" – December 2014 (5 volunteers)
- 11. Ryan Burke, CTTC/ Webmaster Committee Chair -
 - a. Add facebook link to YEA on website – done?
 - b. Need backup assistant (student? Jeff Miller has someone?)
- 12. Vanessa Maryott, YEA Committee Chair
 - a. YEA growth, target young engineers that aren't already ASHRAE members (5 new YEA members out of 20 MP)
 - b. Invite drafters at engineering firms – timeline and someone assigned to this?
 - a) Need list of contacts
 - a. YEA member included in MEP principals visits.
 - b. Dec 11 Texas Two Step – Mavericks or Highball?
- 14. Andrew Turner, Communications Chair
 - a. Constant contact email about the launch of the new website
 - b. Send out "save the save" placeholder on ASHRAE meeting dates

CHAPTER MAY NOT ACT FOR THE SOCIETY

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

AH INTERNATIONAL ORGANIZATION

Submitted By: Vanessa Marott

UPCOMING EVENTS

LET'S

B

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W

L

ASHRAE Austin Winter Bowling Night!!

Mark Mikulin is organizing the
Winter Bowling Event for January.
More Information Coming Soon!!!



Contact: markmikulin@eeace.com, (512)483-1820 to register. PayPal link coming soon.

CHAPTER UPDATES

ASHRAE Student Branch:

Student Branch Meetings:

3rd Tuesday of each month , come out to visit and talk with students

Thank you to Steve Hansen and Hensel Phelps sponsoring and speaking at the November meeting!

Next General Meeting – Will resume in February



Established 1937

Several Student Branch ASHRAE members are also active team members of the UT Solar Decathlon Team. The U.S. Department of Energy Solar Decathlon challenges collegiate teams to design, build, and operate solar-powered houses that are cost-effective, energy-efficient, and attractive. The winner of the competition is the team that best blends affordability, consumer appeal, and design excellence with optimal energy production and maximum efficiency (from SolarDecathlon.gov). The UT Solar Decathlon design will include advanced energy and water systems integrated into Accessory Dwelling Units' existing infrastructure to improve livability and affordability. The UT Solar Decathlon Team is always looking for donations in any way, whether it is money, sample equipment, or simply just time and experienced feedback. If you wish to donate or learn more about the project, please contact Charles Upshaw, crupshaw@utexas.edu

Volunteer:

Student Activity Committee (K-12!)

Please contact Alicia Reich at Alicia.Reich@Schneider-Electric.com to sign up for volunteer activities.

Sponsors:

We are looking for monthly meeting sponsors for the upcoming school year

Please contact Jeff Miller (jmiller@txap.com) with any volunteer or sponsorship opportunities

Submitted By: Jeff Miller, Student Activities

CHAPTER UPDATES

Young Engineers of ASHRAE (YEA):

- Upcoming events: TBD
- Past events:
 - Dec 11th: Two Steppin' @ Mavericks
 - Nov 11th: Happy Hour @ The Goodnight
- Thank you to all event attendees for a great time with good company. This is all made possible through the support of the YEA planning committee, so an extra special thank you to:
 - Carrie Ann (EEA), Will Clinton (EEA), and Dew Higgins (HTS)
- Like YEA on Facebook

<https://www.facebook.com/pages/YEA-Austin/135455226563139>



A picture from the YEA Nov 11th: Happy Hour @ The Goodnight

Submitted By: Carrie Ann Crawford, YEA

CHAPTER UPDATES

Membership Promotion:

- A few people have been generous enough to volunteer their time to help on the membership promotion committee for this year. Therefore I want to thank Kyle Kramer, Carrie Anne Crawford, Will Clinton, Bill Klock, and Derrick Van West for focusing on membership on our chapter as it helps myself and the chapter as a whole to have more people working on this task. If anyone is still interested please shoot me an email or give me a call.
- Don't forget that Spencer Rothery and Kyle Kramer are your go to people about anything related to membership. This includes dues, membership advancement, questions about the chapter, etc... so feel free to reach out to them with anything you need! spencer.rothery@trane.com and kyle.kramer@hts.com
- The 3rd Annual Austin Membership Promotion Drive is on for 2014-2015! Look out for communications about this and don't forget even if you just mention to a friend, coworker, client, etc... about joining ASHRAE you are eligible for points. All you have to do is talk to them about it and send an email to spencer.rothery@trane.com recording that you had the conversation. **You could win \$200 worth of an Amazon gift card come May!**

Join ASHRAE Now!

Submitted By: Spencer Rothery, MP Chair

Research Promotion:

Since 1919, the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) have supported research to improve quality of life. ASHRAE Research impacts the industry by advancing the way HVAC&R systems work and the way in which they are applied, and allowing development of technical information to create standards and guidelines which serve as the basis for testing and design practices around the world.

Below is the current status of our 2014-2015 Research Promotion Campaign



Submitted By: Justin Johnson, RP Chair

SOCIETY ANNOUNCEMENTS



2015 ASHRAE Winter Conference and AHR Expo

ASHRAE is excited to return to Chicago for the 2015 Winter Conference, its historically best-attended event. Attendees can discuss the latest topics in the building industry; participate in technical tours; attend ASHRAE Learning Institute courses; earn professional credits; and obtain ASHRAE certifications. Chicago also serves as the site of the AHR Expo, co-sponsored by ASHRAE and held in conjunction with the Winter Conference.

The two events combine to create the ideal atmosphere for those interested in advancing the building industry to network, inspect the latest technology and learn about the newest practices for the built environment. Don't miss the chance to participate!

The financial support provided by the AHR Expo helps fund vital research and other member programs. We all will benefit from a strong turnout in Chicago.

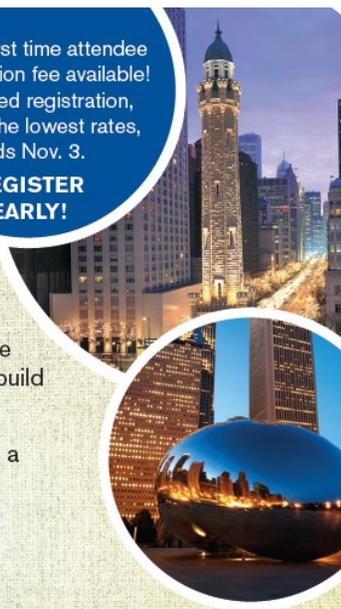


Join ASHRAE at its **Winter Conference** in
Chicago, Jan. 24–28 **and AHR Expo** Jan. 26–28

Special first time attendee
registration fee available!
Advanced registration,
offering the lowest rates,
ends Nov. 3.

**REGISTER
EARLY!**

- Gain personal and career excellence through peer contact, exchange of technical information and continuing education.
- 20 high-quality, authoritative Professional Development Seminars and Short Courses presented by the ASHRAE Learning Institute.
- Visit the World's Largest HVAC&R Marketplace. The AHR Expo brings the entire industry together to see the latest products and technology, learn about innovations and trends that are shaping the future, and build new relationships.
- With the Conference being held in the big city of Chicago, the Technical Program itself is going big with a focus on big projects, the big picture and big impacts. Eight tracks are featured.
- Gain valued credentials held by top engineers via ASHRAE's six Certification programs.
- See the technology you help create first-hand via a Technical Tour.



www.ashrae.org/chicago | www.ahrexpo.com

HISTORY TIDBIT

Vintage HVAC Advertisements, 1931

1931 saw the doubling of unemployment to 16.3%. The stock market crash of 1929 was having far reaching effects. The US government started making some progress on the mob and a notable success was the conviction of Al Capone on tax fraud charges in 1931 which got him an 11 year prison sentence in Alcatraz. Many car manufacturers went out of business as people did not have money to buy new cars. One of the few successes was the completion of the Empire State building, and in Las Vegas the small local community made the decision to legalize gambling. Nature even conspired to make things worse by causing a serious drought in the Midwest which in turn made food more expensive and turned some areas into dust bowls.

Propellair-Inc. - Ad in the February 1931 issue of Heating Piping and Air Conditioning

4



Heating-Piping
and Air Conditioning

February, 1931

OUT OF THE HALLS OF SCIENCE

**Comes This New
Ventilating Fan Of
Guaranteed Higher Efficiency**

Out of the halls of science . . . out of laboratories equipped with accurate testing instruments . . . out of the mind of a man who for years has studied the action and measurement of air currents now comes PROPELLAIR. Inventions that have revolutionized old systems have always been the result of long research by men with years of experience and definite ability in specialized fields of endeavor. Such an invention is PROPELLAIR—and by such a process was it created!

Professor A. I. Brown of the Ohio State University Mechanical Engineering Laboratory is the designer of PROPELLAIR. His curved entrance housing is an innovation. This unique construction co-acts with a propeller of proper design to increase the fan capacity and efficiency to a surprising degree. It enables the full length of the propeller to be efficient without restricting the area of the fan outlet. . . . And this alone means so much that you will hear more and more about PROPELLAIR.

**Efficiency Proven by
Numerous Universities**

Investigators at Ohio State University and New York University have compiled data and tests in their laboratories which prove irrefutably that PROPELLAIR is a fan of much higher efficiency than other designs of airplane propeller fans. An efficient propeller fan means not only a blade of proper design, but a housing or ring which will properly guide the air currents and offer least resistance to their flow. Such is the revolutionary design of PROPELLAIR.

Write For New Booklet

PROPELLAIR - Inc. have acquired the rights for manufacturing exhaust fans using Prof. Brown's discovery. An interesting booklet thoroughly covering the subject awaits you. Write for it today to—



PROPELLAIR-INC —MAIN OFFICE—
17 SO. HIGH STREET
COLUMBUS, OHIO

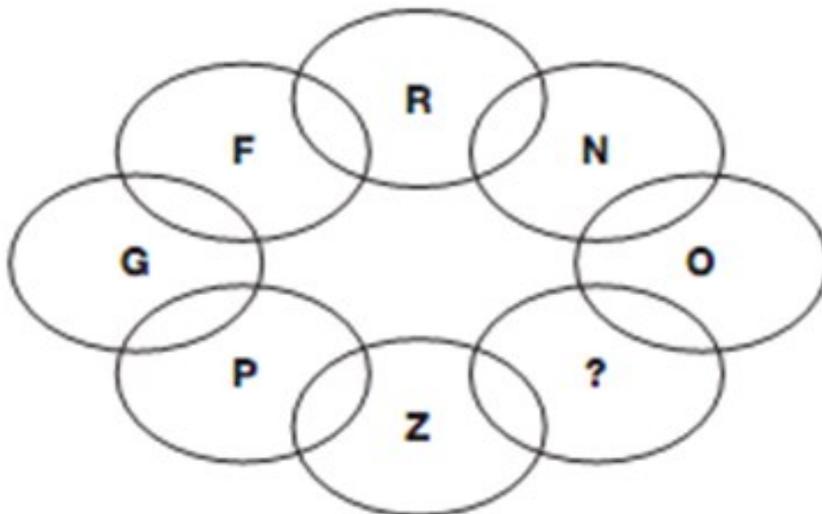
HEATING, PIPING and AIR CONDITIONING. Published monthly by Engineering Publications, Inc., 1286 Prairie Ave., Chicago, Ill. Subscription rates: \$2.00 per year, anywhere in the world; single copies, 50 cents. Back numbers, \$1.00. February, 1931, Vol. 2, No. 2. Entered as Second Class Matter, May 18, 1929, at the Post Office at Chicago, Illinois, under the act of March 3, 1879.

Please note: information excerpted from: HPAC Engineering, Edited by Connie Conklin, 08-21-2014

Submitted By: Randy Schrecengost, Historian

PUZZLE CHALLENGE

Which letter replaces the question mark?



*Be the first to solve and return this logic puzzle to DavidBacorn@EEACE.com and win a free banquet for you and one **NEW** guest. Someone who hasn't been to an ASHRAE meeting in 3 years will be acceptable as a new guest.*

THE BACK PAGE

ABOUT THIS PUBLICATION

The Austin Register is a free monthly newsletter produced by the Austin Chapter of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers. It is primarily intended for use by its Members. The Austin Chapter does not act for the Society.

Newsletter Editor: David Bacorn, PE, LEED AP
512.744.4412
DavidBacorn@EEACE.com

Letters to the Editor are always welcome. Please include a name and email address, as relevant letters may be published in future issues.



RELATED INDUSTRY INFORMATION

ASHRAE Jobs Program

What: HVAC industry career services for both employers and job-seekers

Info: www.ashraejobs.com

OFFICERS				
President	Derrick Van West	Heat Transfer Solutions	745-0555	derrick.vanwest@hts.com
President Elect	David Bacorn	EEA Consulting Engineers	744-4412	davidbacorn@eeace.com
Vice President	David Driggers	Heat Transfer Solutions	653-5315	david.driggers@hts.com
Treasurer	Steve Hansen	Hensel Phelps	834-9848	steven.hansen@henselphelps.com
Secretary	Vanessa Maryott	Siemens Industry, Inc	461-0404	vanessa.maryott@siemens.com
BOARD OF GOVERNORS				
BOG-1 Research Promotion	Justin Johnson	Texas Air systems	462-4777	justin.johnson@texasairsystems.com
BOG-2 Auditing / Nominating	Mark Mikulin	EEA Consulting Engineers	744-4414	markmikulin@eeace.com
BOG-3 Historian / Administrator	Randy Schrecengost	Stanley Consultants, Inc	427-3623	schrecengostrand@stanleygroup.com
BOG-4 Membership Promotion	Spencer Rothery	Trane	416-8822	spencer.rothery@trane.com
BOG-5 Student Activities	Jeff Miller	Texas Air Products	485-5306	jmiller@txap.com
COMMITTEE CHAIRS				
Student Activities	Jeff Miller	Texas Air Products	485-5306	jmiller@txap.com
Membership Promotion	Spencer Rothery	Trane	416-8822	spencer.rothery@trane.com
CRC Delegate (President)	Derrick Van West	Heat Transfer Solutions	745-0555	derrick.vanwest@hts.com
CRC Delegate Alt (Pres-Elect)	David Bacorn	EEA Consulting Engineers	744-4412	davidbacorn@eeace.com
Newsletter Editor	David Bacorn	EEA Consulting Engineers	744-4412	davidbacorn@eeace.com
Programs	David Driggers	Heat Transfer Solutions	653-5315	david.driggers@hts.com
Chap. Tech Transfer Cmte (CTTC)	Ryan Burke	Johnson Controls, Inc/York	914-8799	ryan.burke@jci.com
Electronic Communications	Andrew Turner	Mechanical Reps, Inc	444-1835	jonh@mechreps.com
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