American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)

May 2015

The Austin Register

ASHRAE Austin Chapter

www.ashraeinaustin.org

Austin, Tx Chapter, Established 1956

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Next Chapter Meeting

TOPIC:

Energy Efficient Solutions for Commercial Kitchen Ventilation

WHEN:

May 21 at 6:00PM

Where:

The County Line on the Hill

Cost:

$25.00 prepay

$30.00 at door

Chapter President's Message

Austin ASHRAE,

Last month's lunch meeting was a phenomenal success with 82 in attendance for our chiller plant forum. Thank you to DSI, TD, Trane, JCI, Daikin, Shah Smith Engineering, & Applied Materials for serving as our panel speakers. And a special thank you to Bill Klock for assisting to organize the event and provide engaging questions. It was great to see all portions of the construction industry attending, including numerous mechanical contractors.

We are coming back to the County Line to wrap up our great line of programs this year. And what better way to finish than with a DISTINGUISHED LECTURER. If you haven't had an opportunity to hear an ASHRAE Distinguished Lecturer speak, you are in for a real treat, as these are always some of our best programs. The topic will be ASHRAE 90.1-2010, which is one that affects us all on a daily basis. This will be supplemented by a tech session before the main program on Energy Efficient Solutions for Commercial Kitchen Ventilation.

It has truly been an honor and pleasure serving you this year as president. Some highlights of our year include adding 36 new members, a YEA group that is thriving (with fun events like a pool party & Top Golf), another successful year of social events including Golf, Bowling, & Sporting Clays, increasing our average attendance into the 60+ mark, a thriving UT student chapter, $5,000 of scholarships awarded, Introduce a Girl to Engineering Day, a Brewery tour, the addition of the Hockey Game Event, and one of the best years of programs I've ever experienced (**Special Thanks to David Driggers**)

We did fall short of our net membership increase goal due to several members not renewing. We have developed a plan to improve that next year, and have assembled an all-star team to volunteer their time. It is wildly important that we increase attendance and membership of our engineering community so we can serve our primary purpose of delivering knowledge to the industry.

We have a strong team in place, and I am confident they will surpass and eclipse my personal goals for your Austin chapter. We are blessed to have such a great group of selfless volunteers who are giving up their time to maintain & improve your chapter, especially in the hectic and wildly busy Austin construction market.

Thank you again for your support, and I look forward to seeing all of you on Thursday, May 21, for our final monthly meeting before the summer break.

Sincerely,

Derrick Van West

We look forward to seeing everyone at the next monthly meeting. Please distribute this newsletter to all interested friends and colleagues.

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CHAPTER MEETING PROGRAM SUMMARY

"Energy Efficient Solutions for Commercial Kitchen Ventilation"

ASHRAE Austin Chapter

2015, May 21st

Restaurants are among the buildings with the highest energy intensity in commercial sector. They contribute over 500 trillion Btu to the U.S. annual energy consumption. This presentation will give practical recommendations how to reduce energy consumption of a foodservice facility by up to 50% and improve its indoor environmental quality for better employees' and customers' satisfaction. This presentation will describe new designs as well as recommendations how to improve efficiency of existing commercial kitchens. It will also cover requirements of the latest edition of ASHRAE 90.1 Standard in regards to efficient ventilation design of commercial kitchens. Presentation will be useful for owners, operators, energy and design professionals involved in design, construction and operation of foodservice facilities.

Register For Meeting Now!

Previous Meeting Recap

We had a record attendance of 82 people for the Chiller Plant Panel Discussion. I am not sure if it was the topic, time, location or all of the above. I think some people were hoping for Jerry Springer style drama, but luckily the discussion was relatively friendly. Big thanks to all the folks who participated.

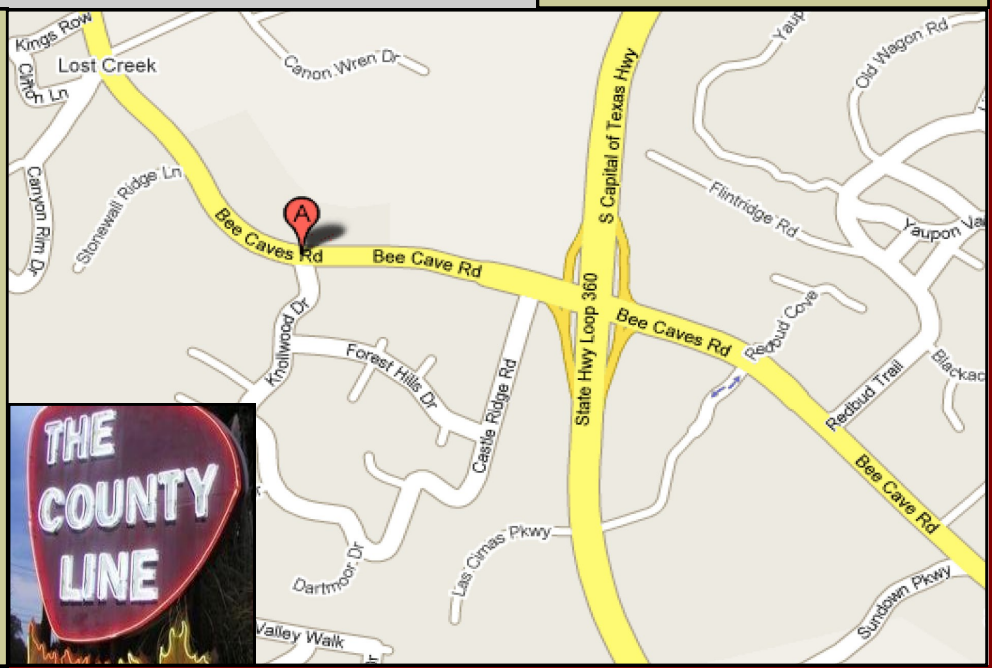
Schedule:

Happy Hour:	5:00 PM
Announcements:	6:00 PM
Main Program	6:30 PM

Location

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

Cost is $25/person
$30 at door



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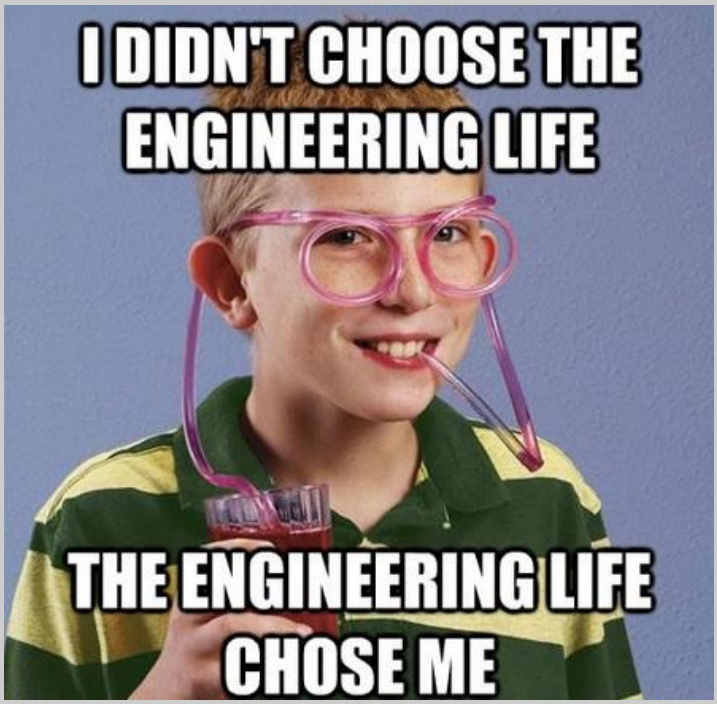
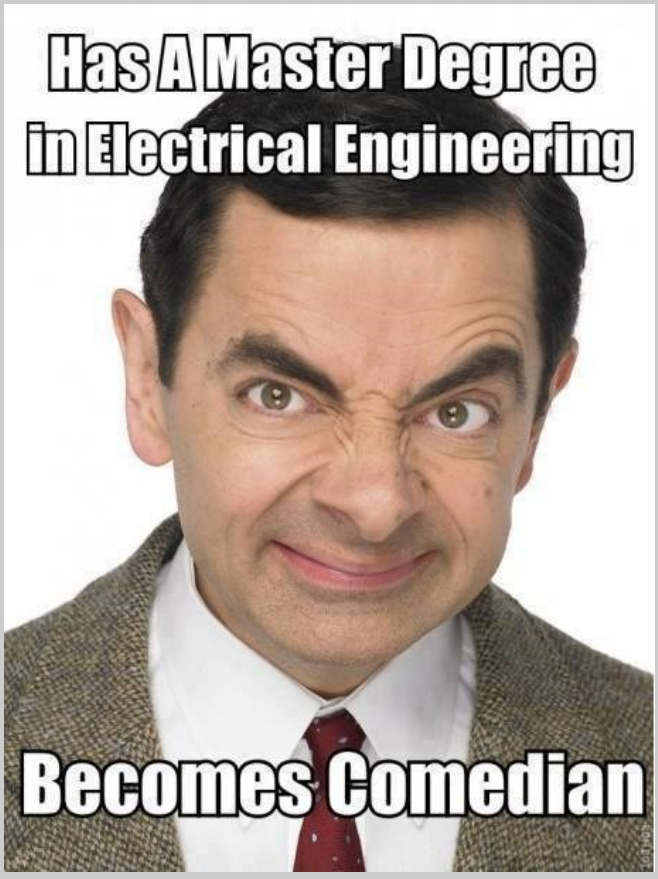
JOKES





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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	
			Tech Session	Vanessa Maryott Carrie Anne Crawford Cameron Labunski	Siemens EEA Tom Green & Co.	ASHRAE Adventures	
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	Keith Reihl	Mitsubishi Electric	VRF and ASHRAE 15 & 34	Student Month
			Tech Session	Mark Jordan	Austin Water Utility	Proposed Code Changes by Austin City Council	
April	4/16	County Line (Hill) Lunch Meeting	Main Program	Panel Discussion	Various	Variable Speed Pumping in District Cooling Applications	Research Promotion
			No Tech Session	N/A	N/A	N/A	
May	5/21	County Line (Hill) Dinner Meeting	Main Program	Dr. Andrey Livchak, DL		ASHRAE 90.1-2010	Officer Induction / Past Presidents Night
			Tech Session	Michael Husted	Austin Energy	Implementing ASHRAE 90.1	

(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

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TREASURER'S REPORT

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

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

15

Category	7/1/2014 Actual	- Budget	6/30/2015 Difference
INCOME	**59,296.65**	**61,500.00**	**-2,203.35**
Austin Chapter Dues	5,665.00	5,000.00	665.00
Bowling Tournament Income	2,099.40	2,000.00	99.40
Golf Tournament	30,523.60	30,000.00	523.60
Meeting Income	10,802.65	10,000.00	802.65
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	**48,256.19**	**61,500.00**	**13,243.81**
Accountant (Taxes)	750.00	275.00	-475.00
Bowling Tournament Expenses	1,053.54	1,000.00	-53.54
Constant Contact	590.00	375.00	-215.00
Golf Tournament Expense	13,183.88	14,000.00	816.12
Guest Speaker	92.29	500.00	407.71
Meeting Meals	13,309.84	12,000.00	-1,309.84
Membership Promotion Training	0.00	500.00	500.00
Miscellaneous: Bank Charge	0.00	0.00	0.00
Miscellaneous: PO Box	80.00	0.00	-80.00
Other Miscellaneous	505.99	0.00	-505.99
Region VIII Membership	993.00	2,000.00	1,007.00
Research Contribution	10,000.00	19,250.00	9,250.00
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	-400.00	1,500.00	1,900.00
Trade Shows and Seminars Expense	348.70	500.00	151.30
YEA General Expenses	0.00	350.00	350.00
YEA Leadership Weekend	466.60	250.00	-216.60
Net Difference:	**11,040.46**	**0.00**	**11,040.46**

Account Balances - As of 4/30/2015

(Includes unrealized gains)

As of 4/30/2015

Account	4/30/2015 Balance
Bank Accounts	
ASHRAE CHECKING	15,533.63
Savings	1,023.50
TOTAL Bank Accounts	**16,557.13**
Investment Accounts	
2013 Austin CRC Fund	0.00
TOTAL Investment Accounts	**0.00**
OVERALL TOTAL	**16,557.13**

Submitted By: Steve Hansen, Treasurer

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BOG MEETING NOTES

Austin ASHRAE – BOG Meeting Agenda
Apr 16, 2015
11am
Matt's El Rancho

Attendees:

1. **Derrick Van West, President**
   a. Discuss ideas for improving membership & meeting attendance.
   b. 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?
3. **David Driggers, Vice President / Programs**
   a. Update on meetings & locations booked so far
      1. May – Standard 90.1 - 2010
4. **Steve Hansen, Treasurer**
   a. news?
5. **Vanessa Maryott, Secretary**
   a. Randy to check with Austin History Museum to see if they want the old banners
      1. Jennifer to talk with Randy about this
      2. Remind Justin to bring loose awards for banner - **please**
6. **Justin Johnson, BOG 1 Research Promotion**
   a. RP rally & team scheduled.
7. **Mark Mikulin, BOG 2 Auditing/Nominating**
   a. no new action items
8. **Randy Schrecengost, BOG 3 Historian/Administrator -**
   a. Jennifer taken to lunch & given rundown of History??
   b. 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. Send monthly update to membership RVC – **is this happening?**
   c. Update on MC calls/visits
10. **Jeff Miller, Student Activities**
    a) Collegiate:
       1. Events for 2014-2015 brainstorm
       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. **Is this happening**?
       3. 1st Thursday of the Month – regular meetings
       4. Publish list of reoccurring student event
       5. YEA committee to present at ASHRAE Student meeting regarding Smart Start program for graduating seniors at Feb meeting.

CHAPTER MAY NOT ACT FOR THE SOCIETY

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

AN INTERNATIONAL ORGANIZATION

Submitted By: Vanessa Maryott

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BOG MEETING NOTES

6.

b) K-12:

1. Alicia Reich (Schneider), head of k-12 activities. Danny Richardson (Trane)
   a. Gayle Davis (Stanley) backup, but limited involvement

11. Ryan Burke, CTTC / Webmaster Committee Chair -

a. Need backup assistant (student? Jeff Miller has someone?)
b. Add monthly riddle to the front page of website to gain more visibility of non-member engineers

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) – what's the current
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. YEA Leadership Weekend Spring 2015 held in San Diego, CA on March 27-29. Chapter to budget $500, Region will match chapter funds. Will Clinton will be the Austin representative.
c. ASHRAE parents night out… YEA to babysit
d. Look for 1 YEA committee member who is a vendor

14. Andrew Turner, Communications Chair

a. News?

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UPCOMING EVENTS

No ASHRAE Austin Chapter Events are scheduled until the 2015-2016 year.

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CHAPTER UPDATES

ASHRAE Student Branch:

Student Branch Meetings:

Student Chapter Meetings will resume in the Fall 2015 Semester
Thanks to Jeff Ewin and Sara Harari with Jacobs Engineering for sponsoring the Student's April meeting!

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) or Gayle Davis (DavisGayle@StanleyGroup.com) with any volunteer or sponsorship opportunities

Student Scholarships:

Congratulations to the 4 students who received scholarships for the upcoming academic year:

Brandon Comisarenco – $3,000 - Region VIII Scholarship
Caitlyn Kallus – $750 - Austin Chapter Scholarship
Sarah Gargani – $750 - Austin Chapter Scholarship
Sean Moore - $500 - Austin Chapter Scholarship

Photo of two of the scholarship recipients at the March Meeting

Submitted By: Jeff Miller, Student Activities

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CHAPTER UPDATES

Young Engineers of ASHRAE (YEA):

- Upcoming events:

  Friday, May 22nd, 2PM: Skeet Shooting – Capitol City Trap & Skeet Club (8707 Lindell Ln)
  Stay Tuned for more details!

  TBPE/PE Prep & Panel Discussion – Date & Time: TBD
  We will have a Guest Speaker from Texas Board of Professional Engineers and PE panelists to discuss the following topics:
  SER – Application Process and Recommendations
  PE Exam – Tips for Prepping and Exam Day Experience
  PE study group - If you would like to facilitate the group or participate, please contact Vanessa.Maryott@siemens.com

- Past events:

  Thursday, April 9th , 6PM: Blaser Tag
  Thank you ALL for coming out for Laser Tag last week! Well done team Blue for dominating! A HUGE thanks to the guys that made it all possible: David Payne, Oslin Nation Co., & Phillip Wood, Trane.

- 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:
  Vanessa Maryott (Siemens) Carrie Anne Crawford (EEA), Will Clinton (EEA), Drew Higgins (HTS), and Phil Wood (Trane)

- Like YEA on Facebook

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

Submitted By: Carrie Anne Crawford, YEA

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CHAPTER UPDATES

Membership Promotion:

End of the ASHRAE year already… crazy. I hope everyone enjoys their break and has a great summer. From a membership standpoint, Austin is doing well but still has a lot of members that are currently in the delinquency/grace period. If you aren't sure what that is, it's basically a period when your membership dues are anywhere from 30 – 180 days past due. Please make sure to renew your dues if you fall into this category as once you go past 180 days you can lose your ASHRAE membership status. Thanks for making it a great ASHRAE year and I look forward to seeing everyone next year.

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

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SOCIETY ANNOUNCEMENTS

Join us at ASHRAE's 2015 Annual Conference

June 27–July 1 | Atlanta, Georgia | **www.ashrae.org/atlanta**

Special first time attendee registration fee available!

Join ASHRAE in its hometown of Atlanta! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and modeling, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; sit for an ASHRAE certification exam; and earn professional development credits.

Conference Technical Program—includes the third annual Research Summit, which brings together researchers to present and discuss the latest research. Tracks focus on the design, construction and operation of high performance buildings, specifically advanced design guidance, modeling, operation and optimization, and indoor air quality. Laboratories, refrigeration, fundamentals, applications, systems and equipment round out the program.

Networking—share ideas and learn from fellow members from your hometown and around the world.

ASHRAE Learning Institute—choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC&R technologies.

ASHRAE Certification—to gain a competitive edge, apply by June 9 to sit for an ASHRAE Certification exam.

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HISTORY TIDBIT

Austin Air-Conditioning

The Barton Hills Neighborhood in Austin, Texas, is located in south Austin, and encompasses part of ZIP code 78704. Barton Hills is primarily residential, with the oldest homes dating back to the 1940s. Just north of the neighborhood are Barton Springs Pool, a natural spring fed by Barton Creek, and the 351-acre Zilker Park.

In 1837, William "Uncle Billy" Barton set up his pioneer homestead near a natural spring on the southern bank of the Colorado River, and his name is still around 160 years later with the springs, the pool and several popular Austin neighborhoods bearing the name "Barton." Barton Hills is dotted with all kinds of homes, and was featured in Austin's 1956 Parade of Homes as "the world's largest air conditioned subdivision."

An advertisement from 1956 for Airtemp waterless air conditioning systems shows Roy Clark next to his newly built home.

Submitted By: Randy Schrecengost, Historian

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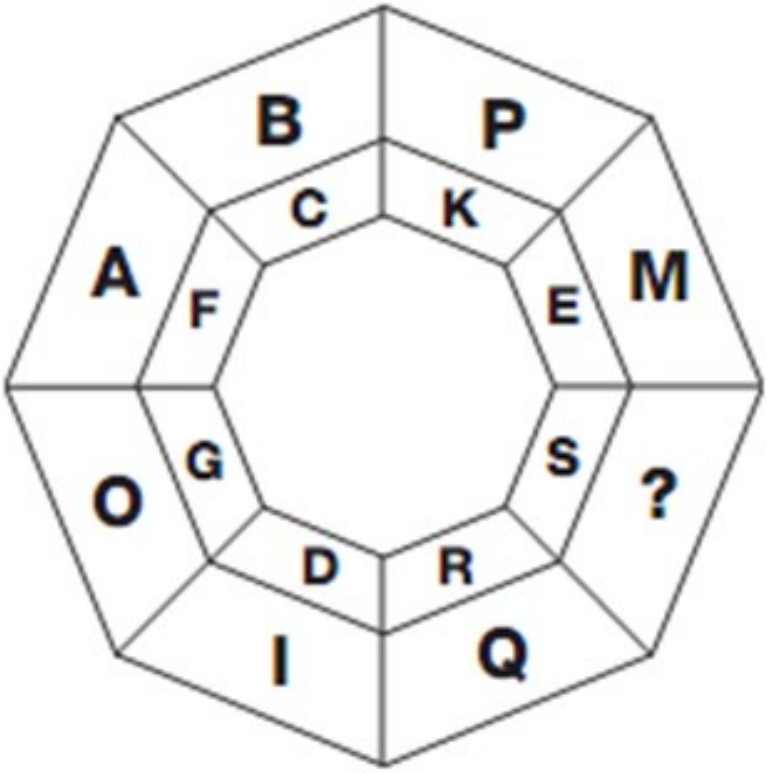
PUZZLE CHALLENGE

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.

ASHRAE Austin Chapter

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 Consulants, Inc	427-3623	schrecengostrandy@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
Auditing/Nominating	Mark Mikulin	EEA Consulting Engineers	744-4414	markmikulin@eeace.com
Webmaster	Ryan Burke	Johnson Controls, Inc/York	914-8799	ryan.burke@jci.com
Honors & Awards	Randy Schrecengost	Stanley Consulants, Inc	427-3623	schrecengostrandy@stanleygroup.com
Reception	Tracie Johnson	Texas Air Systems, Inc	462-4777	traciej@texasairsystems.com
Young Engineers in ASHRAE (YEA)	Vanessa Maryott	Siemens Industry, Inc	461-0404	vanessa.maryott@siemens.com

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