March 2016

ASHRAE *American Society of Heating, Refrigerating and Air Conditioning*

AUSTIN, TEXAS CHAPTER
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FROM THE PRESIDENT'S DESK

DAVID BACORN
2015-2016 Chapter President

Please join us for dinner March 17th at The County Line on the Hill for discussions on Building Commissioning presented by two LEED Fellows, Jerry Kettler and Jay Enck, who are experts in the field. The will be will be discussing the commissioning process, how the design team can benefit as part of the commissioning team, and best practices for designers when your project is commissioned. This will be a great presentation that you do not want to miss.

The Austin Chapter has been busy making 2016 even BETTER than last year. A huge congratulations to our Government Grassroots Advocacy chair, Jon-Erik Johnson, who worked with the city government of Marble Falls and got the Mayor to sign a Proclamation for Engineers Week with the ASHRAE Austin Chapter specifically mentioned for acknowledging engineers across Marble Falls during E-Week. The entire proclamation has been uploaded to ASHRAE online: https://resourcecenter.ashrae.org/File%20Library/docLib/Committees/GGAC/EngineersWeek2016/EWeek-Proclamation-Marble-Falls.pdf

I also want to thank all of the ASHRAE Members who volunteered their time for the "Introduce a Girl to Engineering Day" at the University of Texas and also Austin Energy Regional Science Fair Judging. Giving back to the community and inspiring the next generation to do BETTER in STEM is important to ASHRAE and its members. Every year the Austin Chapter has volunteers who attend these two events in late winter/early spring, so please join us next year in case you missed it.

Please help us make every meeting, event, or technical session BETTER than the last. If you are interested in getting involved in ASHRAE Austin Chapter for the 2015-2016 year please contact me or any of the committee chairs listed on the back page of our ASHRAE Austin Chapter newsletter.

David Bacorn can be reached at (512) 744-4412 or davidbacorn@eeace.com

ASHRAE MARCH MEETING

Please join us for a dinner meeting at the County Line on the Hill on March 17.

LEED Fellows Jerry Kettler and Jay Enck will be discussing the commissioning process, how the design team can benefit as part of the commissioning team, and best practices for designers when your project is commissioned.

H. Jay Enck is Co-Founder and Chief Technical Officer of Commissioning and Green Building Solutions, Inc. (CxGBS®).

Gerald J Kettler is President of AIR Engineering and Testing, Inc., Managing Principal of Facility Performance Associates, and Founder of The Centre for Building Performance.

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UPCOMING EVENTS

March Meeting
March 17 | Dinner
County Line on the Hill

ASHRAE Austin Golf Tournament
March 28 | Hills of Lakeway Golf Club
See flyer on page 6 for more info & sponsorship packages

High-Performance Buildings & Workplaces Conference
May 3-4 | Austin
See flyer on page 7 for more info

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2016 AUSTIN ASHRAE MEETING CALENDAR

STEVE HANSEN
2015-2016 VP—Programs
(512) 834-9848
steven.hansen@henselphelps.com

Date	Time	Location	Topic	Speaker	Sponsor
3/17/2016	Dinner	County Line on the Hill	Commissioning	Jay Enck and Gerald J. Kettler	TBD
4/21/2016	Lunch	Matt's El Rancho	TBD	David Underwood - ASHRAE President	ASHRAE
5/19/2016	Dinner	County Line on the Hill	Natatoriums	Ralph Kittler (ASHRAE DL)	Seresco

STUDENT ACTIVITIES UPDATES

GAYLE DAVIS
2015-2016 Student Activities
(512) 427-3639
davisgayle@stanleygroup.com

General News

Below is the Student Activities calendar for the 2015-2016 year. The calendar will be updated as volunteer opportunities are scheduled. If anyone has interest in involvement or an additional volunteer opportunity, please email me, Jeff, or Alicia.

FY 2015-2016 Student Activities Calendar

DATE	EVENT	VOLUNTEER/SPEAKER(S)
4/7/2016	UT-Austin Student Branch Mtg	Nick Prisco – Heat Pumps v. Split DX
5/5/2016	UT-Austin Student Branch Mtg	Kevin Schaal – Intro to Pumps & Applications

Collegiate News

The next student branch meeting will be held April 7th.

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STUDENT ACTIVITIES UPDATES

GAYLE DAVIS
2015-2016 Student Activities
(512) 427-3639
davisgayle@stanleygroup.com

K-12/STEM News

Our first February K-12/STEM event was attended by David Bacorn & Carrie Ann Crawford; who were judges for Junior/Senior Division science projects at the Austin Energy Regional Science Festival held February 17th & 18th. The Austin Energy Regional Science Festival is one of Texas' largest regional science fairs with nearly 3,000 students from 3rd through 12th grade participating. In addition, the fair is one of a small number of science fairs that include elementary students. The event encourages and rewards innovative student research and provides local scientists, engineers and other professionals a chance to volunteer in the community. Winning Junior/Senior Division projects advance to the ExxonMobil Texas Science and Engineering Fair.

Our second event was the UT Introduce a Girl to Engineering Day. Introduce a Girl to Engineering Day and the Girl Day STEM Festival were be held on February 27, 2016. UT Engineering Girl Day is an annual event that raises the awareness of Engineering for girls ranging from Kindergarten through the 8th grade. This year, over 5000 girls attended the event on the University of Texas engineering campus. ASHRAE sponsored demonstrations of engineering technologies that represent our industry, including wireless building automation controls, pumps, VAVs, and acoustics. Big thanks to to JEA, Trane, Onco-Tx, and Schneider Electric for providing these demonstrations for the use of ASHRAE for the event. Also, shout out to the ASHRAE volunteers who were able to make it out for the daylong event. We would like to continue next year with similar engineering demonstrations. If you have any ideas for a good engineering demonstration, please email Alicia Reich at alicia.reich@schneider-electric.com.

Big thank you to our Girl Day 2016 Volunteers!!

- Alicia Reich, Schneider Electric
- Ashley Heisler, HTS
- Cassandra Weise, JEA Acoustics
- Danny Richardson, Trane
- David Driggers, HTS
- David Payne, Oslin Nation
- Gayle Davis, Stanley Consultants
- Keri Winebrenner, Trane
- Kevin Schaal, Oslin Nation

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TREASURER'S REPORT

VANESSA MARYOTT
2015-2016 Treasurer
(512) 461-0404
vanessa.maryott@siemens.com

Treasurer's Report (Fiscal Year Ending 6/30/16) - 2016

7/1/2015 through 6/30/2016 Using 2015-2016

3/7/2016 Page 1

Category	7/1/2015 Actual	- Budget	6/30/2016 Difference
EXPENSES	**30,424.62**	**72,650.00**	**42,225.38**
Accountant (Taxes)	0.00	275.00	275.00
Bowling Tournament Expenses	0.00	1,000.00	1,000.00
Constant Contact	470.00	375.00	-95.00
Golf Tournament Expense	0.00	14,000.00	14,000.00
Guest Speaker	0.00	500.00	500.00
Meeting Meals	11,055.65	12,000.00	944.35
Membership Promotion Training	0.00	500.00	500.00
Miscellaneous: Bank Charge	0.00	0.00	0.00
Miscellaneous: PO Box	82.00	0.00	-82.00
Other Miscellaneous	-62.57	0.00	62.57
Past Prez Night Expenses	0.00	2,000.00	2,000.00
Poker Tournament Expenses	0.00	3,150.00	3,150.00
Region VIII Membership	0.00	2,000.00	2,000.00
Research Contribution	6,750.00	19,250.00	12,500.00
Sporting Clay Expense	7,081.33	7,500.00	418.67
Student Activities General Expenses	0.00	1,500.00	1,500.00
Student Scholarships	0.00	1,500.00	1,500.00
Top Golf Expenses	5,048.21	6,000.00	951.79
Trade Shows and Seminars Expense	0.00	500.00	500.00
YEA General Expenses	0.00	350.00	350.00
YEA Leadership Weekend	0.00	250.00	250.00
INCOME	**41,268.91**	**88,100.00**	**-46,831.09**
Austin Chapter Dues	4,080.00	7,500.00	-3,420.00
Bowling Tournament Income	0.00	4,000.00	-4,000.00
Golf Tournament	3,813.00	33,000.00	-29,187.00
Meeting Income	12,979.11	12,000.00	979.11
Past Prez Night Income	0.00	3,000.00	-3,000.00
Poker Tournament Income	0.00	4,800.00	-4,800.00
Sporting Clay Event	12,559.50	10,800.00	1,759.50
Student Activities Donations	0.00	500.00	-500.00
Top Golf Income	7,837.30	12,000.00	-4,162.70
Trade Shows and Seminars Income	0.00	500.00	-500.00
Net Difference:	**10,844.29**	**15,450.00**	**-4,605.71**

Account Balances - As of 2/29/2016

(Includes unrealized gains)
As of 2/29/2016

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Account	2/29/2016 Balance
Bank Accounts	
ASHRAE CHECKING	8,673.14
Savings	1,023.57
TOTAL Bank Accounts	**9,696.71**
Investment Accounts	
2013 Austin CRC Fund	0.00
TOTAL Investment Accounts	**0.00**
OVERALL TOTAL	**9,696.71**

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YEA UPDATES

CARRIE ANNE CRAWFORD
2015-2016 Secretary
(512) 744-4433
carriecrawford@eeace.com

Young Engineers of ASHRAE (YEA)

1. Past Events:
Brewery Tour – Thursday, February 25th 5:30-7:30 @ 512 Brewing Company
2. Upcoming Events:
Indoor Go-Kart Racing – Thursday, March 24th 6-8 @ K1 Speed
3. PE Study Group – Contact drew.higgins@hts.com for more details
4. Mentorship Program – Contact carriecrawford@eeace.com for more details
5. Like YEA on Facebook: https://www.facebook.com/pages/YEA-Austin/135455226563139

Thank you to all the 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 Anne Crawford (EEA), Will Clinton (EEA), Drew Higgins (HTS), Phillip Wood (TRANE)

HISTORY, HONORS & AWARDS

RANDY SCHRECENGOST
2015-2016 Historian
(512) 427-3623
schrecengostrandy@stanleygroup.com

History

The History report is the same this month for goals of this Society year:

- **MBOs #1 and 2 are Complete**
- **MBO #3 To complete a History PPT presentation for Spring CRC – is 75% complete**
  Status: On-Going - Currently 75% complete
- **Goal #1 is Complete**
- **Goal #2 and #3 are On-Going**

As always, this author continues to look for Historical information and welcomes any/all input. Think HISTORY!

Honors and Awards

- **MBO #4 Complete CRC paperwork for at least one Honor and Award On-Going**

As always, this BOG member would **WELCOME ANYONE INTERESTED IN GETTING MORE INVOLVED** to assist in the above items.

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Purchase Gold Package

Purchase Silver Package

Beverage Cart Sponsor

2016 Austin ASHRAE Golf Tournament

Monday – March 28th –Hills of Lakeway Golf Club – The Hills Signature Course

Tournament Schedule

Registration & Driving Range	11:30 – 1:00
Putting Contest	11:45 – 1:00
Shotgun Start	1:15
Fajita Buffet	Approx. 6:00
Awards Ceremony	Approx. 6:30

- A **Fajita Buffet** will be provided for all paid entries after the tournament.
- **Trophies / awards** will be awarded to the top 3 golf teams (gross & net), 2 long drives, 2 closest to the pin and the putting contest winner.
- **Hole sponsors** will have a sign with their Company name and logo placed on a tee box **and** on the Tournament Sponsor Board.
- **ALL Sponsors** will have their Company name and logo on the Tournament Sponsor Board only.
- **Beverage Sponsors** get 1 golf cart to ride along with one of the Beverage Carts to meet participants and are General Sponsors as well. There will be a total of two beverage sponsors (let us know if you are interested).
- Spaces are limited. **First PAID, first serve!!**

Package Name	GOLD	SILVER
Package Price	$2,200	$1,200
RP CONTRIBUTION	$1,000	$500
Green fees	2 Teams	1 Team
Meals	2 Teams	1 Team
Putting	2 Teams	1 Team
Mulligans – One per player, can buy one additional	1 / Person	1 / Person
"Freebies" – Only one per TEAM	1 / Team	1 / Team
Hole Sponsorship	1 / Team	1 / Team
Package Price	$2,200	$1,200
Add'l Mulligans ($25 ea. / Max 1 add'l per player)		
Beverage Cart Sponsor ($300, 2 available)		
Total amount due		

Make Checks payable to: ASHRAE – Austin Chapter

Send to the attention of – Stephen R. Greco-Mechanical Reps Inc., Inc. 3901 Woodbury Drive, Suit, Austin, TX 78704

Benefiting Research and Scholarship activities for Austin ASHRAE

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ASHRAE AUSTIN MEMBERS -

You're Invited to High-Performance Buildings & Workplaces

Are you on the road to high-performance?

Then join fellow ASHRAE members, facilities professionals, industry experts and leading suppliers at High-Performance Buildings & Workplaces - a totally enlightened, totally free conference and expo focused on smart, sustainable, people-friendly buildings.

When: May 3-4 • Where: Austin Convention Center • Website: nfmt.com/highperformance

Your Free registration includes access to more than 45 conference sessions, entry to our tech-packed expo, facility tours, networking events and a great networking party.

FREE Education

2 days, 45 sessions of in-depth education delivering key insights into creating highly automated facilities, reducing energy consumption, increasing occupant comfort and applying data and smart analytics.

FREE Expo

100 of the top nation's suppliers ready to answer your questions about smart building technologies, sustainability, energy efficiency and more.

Attendee Info: Call 414-228-7701 ext 447

Interested in Exhibiting: Contact Laurie Vega • laurie.vega@tradepress.com • 414-228-7701 ext. 482

Complete details at nfmt.com/HighPerformance

ASHRAE Committees

History Update:

Council and Committee Structure: ASHRAE's committee structure is the mechanism that makes the Society run. Through this structure, members formulate policy, develop procedures, and direct Society activities.

Decisions made by the Board of Directors are based on the recommendations of committees. Because of this, the Board of Directors is only as effective and efficient as the Society committees.

New ideas and new programs are usually initiated in committees, which also serve as management training centers for future Society leaders.

The following is a brief overview of the ASHRAE organization.

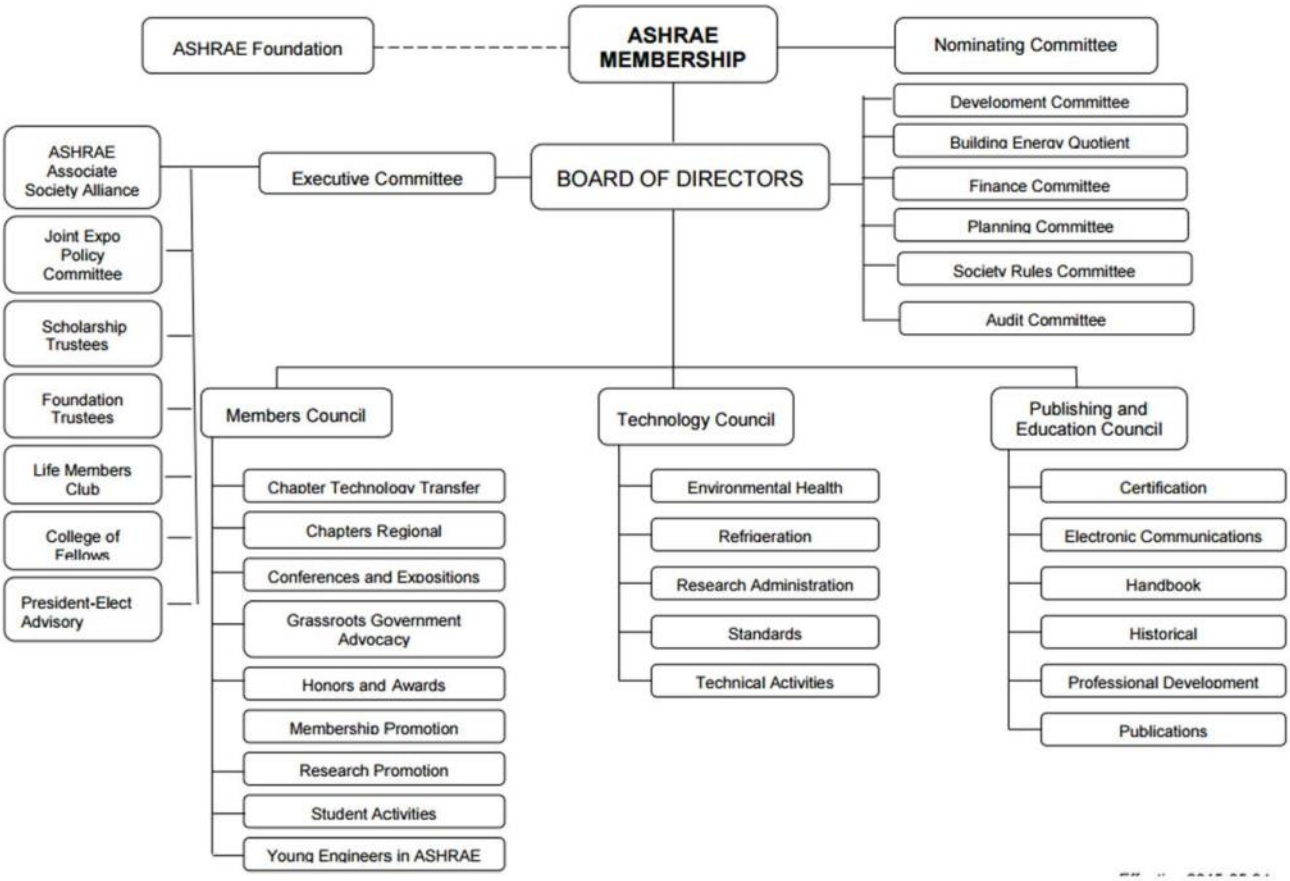


Figure 1: ASHRAE Organization

Committee participation: Committee participation is one of the most important and rewarding aspects of ASHRAE membership. Committee leadership is necessary to achieve the overall objectives of the Society and coordinate activities in the most effective manner.

Leadership is provided by the committee chair - someone who sets goals, recognizes problems, and assigns the right people to develop creative solutions. Achieving results requires a concentrated team effort. Ideally, the chair is attuned to the committee's tasks as well as the interpersonal dynamics of the committee members.

Councils: Councils are comprised of board members, representatives of related standing committees, and other members elected by the Board of Directors. Their mission is to administer the activities and policies promulgated by the Board that concern those committees within the organizational structure of the councils. In addition, councils approve or reject the funding of projects and programs recommended by the appropriate committees.

The three main councils are:

1. Members Council
2. Publishing and Education Council
3. Technology Council

Benefits of Serving: Members who serve on committees do so without payment for their services, and usually pay their own expenses. The Society does, in some instances, pay transportation expenses for designated committees when so requested by eligible members.

Service on committees, however, carries its own rewards. Members who serve receive many benefits: Increased mastery of their fields, increased competence as professionals and increased recognition as authorities in their fields of interest. They also receive the satisfaction that comes from forming new friendships and making a contribution to an organization dedicated to advancing the arts and sciences in their fields of interest for the benefit of the general public.

The Society has been fortunate in finding talented, enthusiastic individuals to serve on its many committees. Nevertheless the president, and others responsible for committee appointments, always welcome and need chapter and member recommendations to find candidates who are not only qualified, but also willing and able to participate.

Those interested in serving on a committee are encouraged to make their wishes and qualifications known. Chapter and regional officers, and others who are in a position to know and evaluate prospective committee members, are urged to submit recommendations for consideration.

Job Descriptions: Each of ASHRAE's Committees will have a description of the type of work to be done by the committee members. The existing Committees are as follows:

Committees reporting to Members Council

1. Chapter Technology Transfer Committee
2. Chapters Regional
3. Conferences and Expositions Committee
4. Grassroots Government Advocacy Committee
5. Honors and Awards Committee
6. Membership Promotion Committee
7. Research Promotion (RP) Committee
8. Student Activities Committee
9. Young Engineers in ASHRAE Committee

Committees reporting to Publishing and Education Council

1. Certification Committee
2. Electronic Communications Committee
3. Handbook Committee
4. Historical Committee
5. Professional Development Committee
6. Publications Committee

Committees reporting to Technology Council

1. Environmental Health Committee
2. Refrigeration Committee
3. Research Administration Committee
4. Standards Committee
5. Technical Activities Committee

Committees reporting directly to the Board of Directors

1. Nominating Committee
2. Development Committee
3. Building Energy Quotient Committee
4. Finance Committee
5. Planning Committee
6. Society Rules Committee
7. Audit Committee
8. Executive Committee
    a. ASHRAE Associate Society Alliance
    b. Joint Expo Policy Committee
    c. Scholarship Trustees
    d. Foundation Trustees
    e. Life Members Club
    f. College of Fellows
    g. President-Elect Advisory

Travel Reimbursement Policy (Excerpt) The Board of Directors recognizes that officer, Board, council and committee activities are essential to maintaining volunteer involvement in ASHRAE. These activities provide real and tangible benefits to the public, the profession and industry and are worthy of financial support. Many members use personal or company resources to defray their travel expenses, which is greatly appreciated by ASHRAE. However, there are situations where members do not have the necessary resources to defray these costs, and ASHRAE will assist the member with these costs within the limits of this policy. The member traveling on behalf of ASHRAE shall always seek to minimize the cost to ASHRAE.

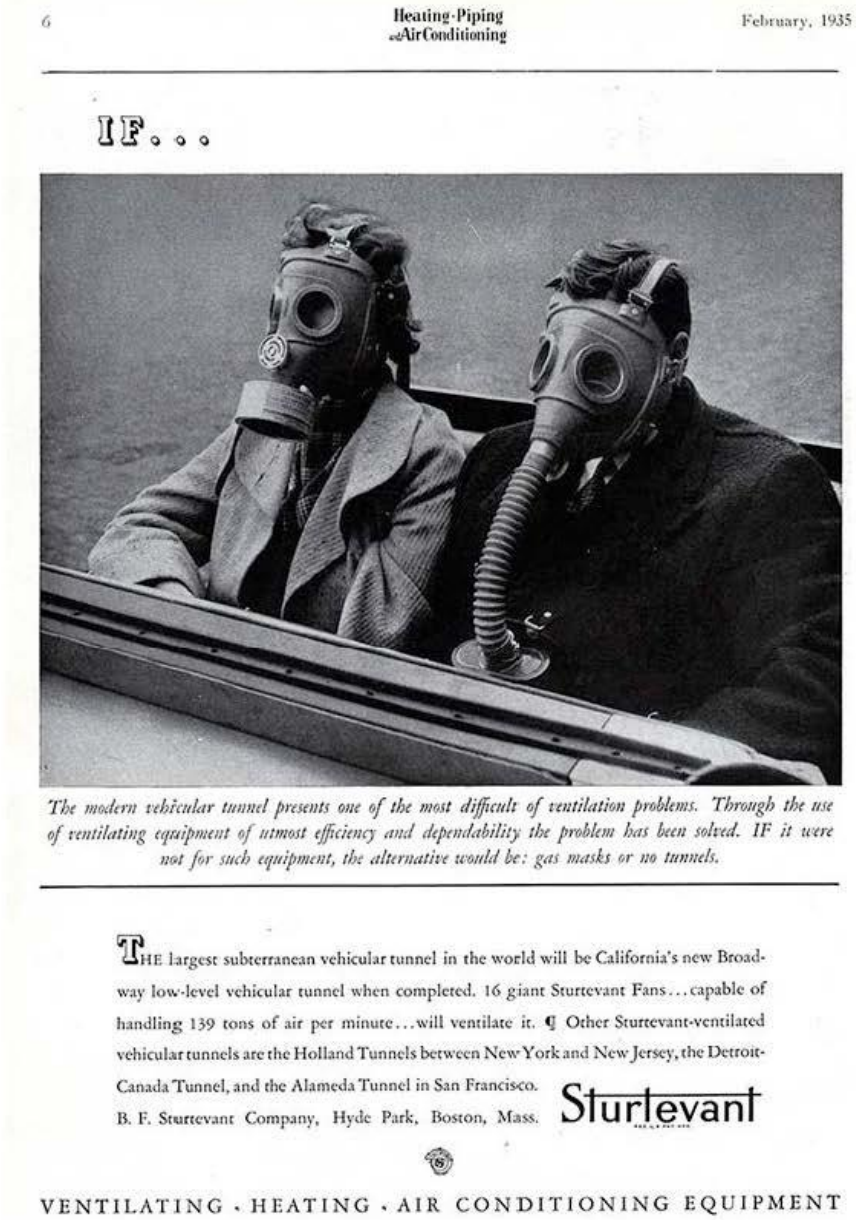
Sources: ASHRAE: Society website, Society Groups, Committees

Respectfully Submitted,

Randy Schrecengost, Historian

Vintage HVAC Advertisements, 1935

Still in a state of depression, the United States saw its unemployment remain high throughout 1935. Overseas in Germany, the Nuremburg Laws were passed, stripping Jews of their civil rights, and in Italy, Mussolini attacked Ethiopia. But despite the turmoil around the word, new and innovative changes were taking place within America. A completely synthetic fiber called Nylon was created, the Gallup Poll was introduced, and in the world of music, "Swing" by Benny Goodman boogied across the nation.



6 Heating-Piping and Air Conditioning February, 1935

IF...

The modern vehicular tunnel presents one of the most difficult of ventilation problems. Through the use of ventilating equipment of utmost efficiency and dependability the problem has been solved. IF it were not for such equipment, the alternative would be: gas masks or no tunnels.

THE largest subterranean vehicular tunnel in the world will be California's new Broadway low-level vehicular tunnel when completed. 16 giant Sturtevant Fans...capable of handling 139 tons of air per minute...will ventilate it. ¶ Other Sturtevant-ventilated vehicular tunnels are the Holland Tunnels between New York and New Jersey, the Detroit-Canada Tunnel, and the Alameda Tunnel in San Francisco.

B. F. Sturtevant Company, Hyde Park, Boston, Mass. Sturtevant

VENTILATING · HEATING · AIR CONDITIONING EQUIPMENT

Sturlevant ad from the February 1935 issue of Heating Piping and Air Conditioning.

Please note: information excerpted from: HPAC Engineering, Edited by Ashley M. Doles, 04-29-2015

Respectfully Submitted,

Randy Schrecengost, Historian