



Orange Spiel



Juicy News from ASHRAE's Orange Empire Chapter

MEETING INFORMATION

TUESDAY, APRIL 28, 2020

THIS MONTH'S MEETING IS CANCELLED

THE PHOENIX CLUB

1340 S. Sanderson Avenue
Anaheim, CA 92806

Social/Registration 5:30 – 7:00 p.m.
Dinner/Announcements 7:00 – 7:30 p.m.
Dinner Presentation 7:30 – 8:30 p.m.

PLEASE E-MAIL (PREFERRED), OR CALL WITH YOUR RESERVATIONS TO:

Ryan Sibley c/o TK1SC
rsibley@tk1sc.com
Direct: 949.751.5923
Office: 949.751.5800

PRICE SCHEDULE

Member \$45
Non-Member \$50
Student \$10
Member Day of Event \$50
Non-Member Day of Event . . . \$55
Vendor Table Tops \$150

REGISTRATION IS CANCELLED

IF CANCELLATION IS NOT RECEIVED YOU WILL BE BILLED FOR THE SESSION

Orange Spiel Editor

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Irwindale, CA 91702
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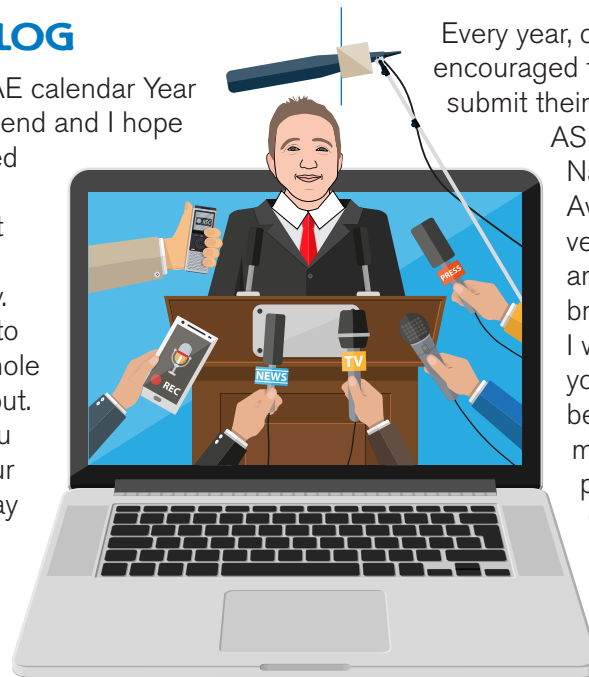
THE APRIL MEETING FOR TUESDAY, APRIL 28, 2020 IS CANCELLED

Due to the current Covid-19 Pandemic, we will regrettably be cancelling our April 2020 Chapter Meeting. We look forward to seeing you all again in the near future! We wish you health and safety in these times.

DAVID'S BLOG

Our ASHRAE calendar Year is coming to an end and I hope you have enjoyed the events. As of now, we don't have a meeting planned for May. We are waiting to see how this whole situation turns out. We will keep you posted about our plans for the May meeting.

ASHRAE is a volunteer organization and the Chapter's success is dependent on all our members helping and supporting where they can. Please let me know if you have any comments or suggestions, we can always use the input and feedback to better the Chapter.



**MR. PRESIDENT! MR. PRESIDENT!
WHADDYA MEAN THIS MONTH'S
MEETING IS CANCELLED!
ARE YOU CRAZY?**

Every year, our Chapter is encouraged to have our members submit their projects for the ASHRAE Regional and National Technical Awards. We all work very hard at what we do and deserve the right to brag about our projects. I want to encourage you to submit a project before the deadline mid-May. The 5 different project categories are Commercial Buildings (New, existing, existing commissioning), Institutional Buildings, Health Care Facilities, Industrial Facilities or Processes, Public Assembly, Residential. Please be safe during these different circumstances. I hope you all are enjoying the spring time weather of 80s – 90s.

David Lawson 🍊





Date: 21 April, 2020

Time: 4:00 - 5:30 PM

Place: Via Goto Meeting due to Covid 19 meeting restrictions

MEETING ATTENDEES

Ben Chesser (BC)
 Eric Decker (ED)
 Chris Farrington (CF)
 Greg Glover (GG)
 Ken Golovko (KG)
 Robert Hagstrom (RH)
 Jeffrey Hanzel (JH)
 Mary Johnson (MJ)
 David Lawson (DL)
 Chris Mellen (CM)
 Steve Rawski (SR)
 John Sawyer (JS)
 Ryan Sibley (RS)
 Brian Sybesma (BS)
 Matt Waller (MW)

1. CALL TO ORDER

- 1.1. Meeting called to order at 4:00 PM.
- 1.2. Quorum determined (Minimum 6 Voting Members).
- 1.3. Introductions of Officers and Committee Chairs.
- 1.4. Review of Agenda.

2. TREASURER REPORT

(Treasurer not present)

- 2.1 CPA for non-profit and report back.
 - Still looking for a CPA that can do taxes and file by June 15th.
 - Chris and Ben to reach out to their contacts

and get a not to exceed quotation for services.

- We have until June 15th to file 2018 and need to file 2019 in November.
 - Forward email correspondence and letters in the file to Ben and Chris.
 - Board consensus is we should hire an accountant to do it moving forward.
- 2.2 Status of Books.
 - Need to retrieve key to mailbox and cash box from Mary Johnson.
 - Status of Chapter books was not discussed.
 - 2.3 Program considerations for next year.
 - Consider getting us set up on Amazon Smiles program to receive donations and make purchases?

3. CHAPTER CHAIRS FOR 2020-2021

- 3.1 Attracting Chairpersons and Volunteers.
 - Ben C to put proposed Committee chairperson list together.
 - Matthew will create voting site and suggested adding survey questions to attract members interested in committees.
 - Please Reach out to attract volunteers.

4. OFFICER AND BOG UPDATES

- 4.1. Would normally vote live on April 28th meeting, but it is cancelled due to Covid 19 virus.
- 4.2. Steve to create email and

Ryan to send out email blast for Officer and BOG voting approval.

- 4.3. Committee chairpersons also need to be recognized, past and new.

5. RECOGNITIONS AND AWARDS

- 5.1. Steve Rawski received Society Life Member award.

6. CRC UPDATE

- 6.1. Jeff is checking prices at the Hyatt Newport Beach on Jamboree.

7. RESEARCH PROMOTION

- 7.1. We were one of only two chapters that were 100% of our goal last CRC.
- 7.2. Early fundraising is critical to meeting the new Chapter goal.

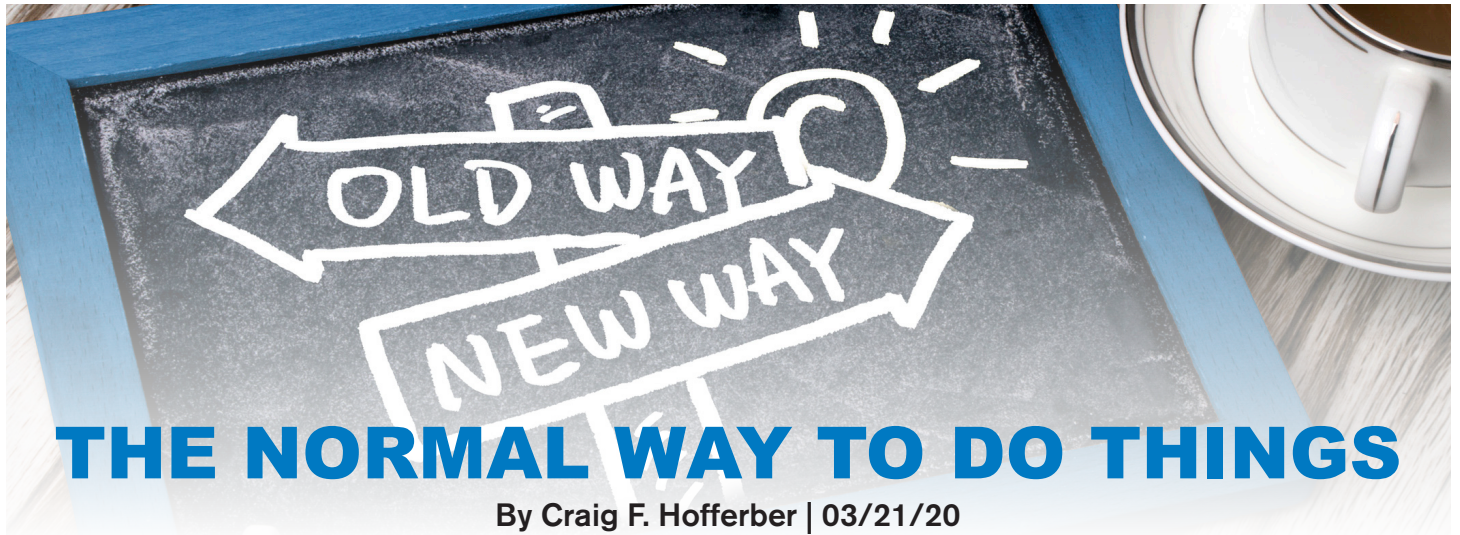
8. OE ASHRAE CHAPTER WEB SITE

- 8.1. Ryan to research merging the Weebly domain into the Google domain so the content is current.
- 8.2. Research who is the current owner of the domain. Might be under Chapter name now.
- 8.3. Prefer to use Weebly for the content creation. Possibly move domain from Google to Weebly?
- 8.4. Currently the old domain/site comes up when you search the internet or come in from the link from ASHRAE Society.

9. OE ASHRAE LOGO GIVEAWAYS

- 9.1. Discussed looking into ASHRAE branded giveaways mainly to

(See MINUTES page 4)



THE NORMAL WAY TO DO THINGS

By Craig F. Hofferber | 03/21/20

INTRODUCTION

Did you ever wonder what establishes the “normal” way to do things? The way others have done them; handed down from generation to generation; the way that works?

How do we change the normal way things work without causing disruptions in services or processes? First, we must define “newer” and “better”, so we can somehow measure success improvements above the established normal way.

Newer methodologies may not be better methodologies, but for the sake of newness or lack of understanding, people try them, often ignoring what led them to become “normal” in the first place.

Better methodologies prove themselves through improvements to the procedure or process being targeted. Changing normal should not be an impulsive or dismissive effort. If it is “better”, it means it produces verifiably better results somehow than the “normal” method. Nobody wants a new methodology to be used that produces poorer results than the “normal” method does, right? It wouldn't be “better”. Of course,

the word “better” has a broad definition.

In the context of improvements, one must also consider the environmental ramifications of these improvements. A change may be “better” for a focused purpose, but it could be harmful to the environment when considered holistically; thus, may not be better in the final analysis.

EXAMPLE ONE:

The best way to wash clothes was to scrub them on a washboard or beat them on a rock. For years, folks labored to clean their clothes that way. Someone decided that this chore was too labor intensive, requiring much physical effort and figured that someone might want an alternative method that is less physically demanding. Hence, the washing machine was invented. Through the years, many improvements have been made to the washing machine, but the first washing machine established a better way of washing clothes, thus improving and becoming the new “normal” way.

The washing machine birthed

another invention; the clothes dryer. The dryer eliminated having to hang wet clothes from the washing machine on outdoor lines to dry them in the sun. The dryer came about much later than the washing machine did, primarily because it uses a lot of energy, which has detrimental environmental effects. Sunlight and evaporation of water is free, but gas or electricity is not.

In the final analysis, “better” meant less labor and better results during wet and cold winter months; overriding the environmental detriment and setting a new “normal” way.

EXAMPLE TWO:

Cooking food in a kitchen required preparation labor with hot stove and/or oven time. Cooking small amounts of food at a time is usually not efficient, so the “normal” way to cook food was in larger quantities, saving the remainder in the refrigerator for preparation later. Often saved food spoiled before it got eaten, which was a drawback to this “normal” method.

Almost by accident, a solution
See **NORMAL WAY** page 4)

NORMAL WAY

(continued from page 3)

to this problem came around and the microwave oven was invented. Through the years, improvements to the microwave oven have been made, mostly through adding timers and convenience features, but the essential process remains the same.

This technology established a much better “normal” for many folks. It is also “better” for the environment because a microwave oven is highly efficient in defrosting or warming leftovers and efficiently warming up beverages. Certain quick foods cook ideally in the microwave oven, which saves lots of energy.

EXAMPLE THREE:

Bathing, cooking and washing clothes often requires warm to hot water to make the process comfortable and safe. Nobody likes taking cold baths and the normal way to bathe with warm water was to heat it on a wood stove and dump it into a large metal container (tub) for a person to get in and wash their bodies.

For convenience, the tub was brought into the kitchen and placed next to the stove for ease of filling and for warmth when exiting the tub to dry off. Safety was not much of a concern because water too hot could

be allowed to cool down before bathing. This method took time and extended the use of the stove into the night, taking more wood to keep it running.

One day, after pressurized running water was invented, someone decided that an open fire with a tank full of water sitting in the middle to be heated was a solution to provide warm water without the hassle of the stove and tub in the middle of the kitchen. After many hours of experience with this new method, an invention using a gas flame to replace the wood fire under the tank called a “water heater” was invented. This invention automatically provided lots of warm water for bathing while allowing the bather to have some privacy in a bathroom where the tub was permanently affixed in the room. Hence, a new way to bathe and be comfortable. It is now “normal” to have a water heater and a bathroom in every home.

Over time, developments in instantaneous water heaters have eliminated the need for the tank and the space the tank occupied in the home was put to better use.

TAKEAWAYS

Just because the normal method seems hard at first to

understand and complete quickly, it doesn't mean it is a bad method in need of improvement or a reason for short-cuts. One must first take the time to examine the history of this “normal” way and discover reasons why things were done that way. Once understood, faults in the normal way can be detected and methodologies adjusted to eliminate the pain that method may bring. Note that most “normal” ways don't bring pain, which is why they were invented in the first place, so it takes insight and understanding to see how to improve them before outright rejecting them for a moment of instant gratification.

There are immediate benefits to doing things the “normal” way once understood and practiced over and again. The first one is reduced labor effort equating to dollars saved in the process. One would not knowingly want to adopt a short-cut method that increases labor exposure, would they?

A thorough understanding of the “normal” way first, makes it easier to change it if warranted or a better way has been discovered. Of course, this kind of analysis applies directly to our industry of heating, cooling and ventilating our buildings for optimal human comfort.

-END- 

MINUTES

(continued from page 2)

speakers and students when they attend chapter meetings or functions.

10. LIVE CHAPTER MEETING FOR MAY

10.1. We do not have a Phoenix Club date

booked for May and it was decided not to have an Officer and Governor change of command meeting in person due to Covid19 restrictions.

- End of Minutes –

Chris Farrington 

BE SURE TO



ON THE 2020-21 ORANGE
EMPIRE ASHRAE SLATE
OF OFFICERS ONLINE

(see page 5)

CHAPTER OFFICERS

PresidentDavid M. Lawson
 President-Elect..... Benjamin L. Chesser
 Vice President..... Brian Sybesma
 Treasurer..... Mary Johnson
 Secretary Chris Farrington

BOARD OF GOVERNORS

Jeff Conrad Greg Glover
 Eric Decker, PE. Stephen J. Rawski, PE.
 Kenneth E. Golovko, PE. Matthew Waller, PE.

CRC DELEGATE

David M. Lawson

CRC ALTERNATE

Benjamin L. Chesser

ASHRAE ORANGE EMPIRE CHAPTER

2019-2020 PARTIAL ROSTER

SPIEL DEADLINE
The May deadline
for articles or ads is
FRIDAY,
MAY 15, 2020

COMMITTEES AND CHAIRPERSONS

Administrator..... Jeffrey D. Hanzel
 Administrator..... John Sawyer
 Communications..... Ryan Sibley
 Diversity in ASHRAE..... Mary Johnson
 Government Affairs..... Chris Farrington
 Historian..... Christopher L. Mellen
 Membership Promotion..... Jeffrey D. Hanzel
 Newsletter Editor..... Robert G Hagstrom, PE
 Refrigeration..... Chris Farrington
 Research Promotion..... John Sawyer
 Student Activities..... Matthew Dale Donoghue
 Student Activities Co-Chair..... Nicholas J. Hardy
 Technology Transfer..... Brian Sybesma
 YEA..... Nicholas J. Hardy
 YEA Co-Chair..... Matthew Dale Donoghue
 YEA Co-Chair..... Kevin M. Smith, PE
 Webmaster..... Ryan Sibley

SPECIAL INSTRUCTIONS FOR ORANGE EMPIRE ASHRAE ELECTIONS

Dear Fellow Chapter members,

On behalf of your Officers and Board, we hope that you, your loved ones and your business endeavors are doing well through these unprecedented days.

By now, I'm sure that you know that our regular Chapter Meeting on April 28th has been cancelled. As our Chapter Year is drawing to a close, there is one very important piece of business that cannot be delayed along with this meeting. The Election of our 2020-2021 Officers and Board!

As with so many things these days, we are going to present this year's slate here and ask you vote remotely using the link below.

Note that **THE DEADLINE TO VOTE IS MAY 19TH**. No votes will be accepted after this date.

A heartfelt THANKS to the outgoing officers, board members, committee chairpersons and volunteers for the work they did this past season. Both the visible work and behind-the-scenes work are vital to keeping our OE chapter going and serving the HVACR community.

Your Election Committee offers the following slate for 2020-2021:

OFFICERS (Voting Required):

- **President:** Ben Chesser
- **President Elect:** Brian Sybesma
- **Vice President:** Mary Johnson
- **Treasurer:** Chris Farrington
- **Secretary:** Anthony Zanotti

BOARD OF GOVERNORS

(Voting Required):

- Jeff Conrad
- Eric Decker
- Greg Glover
- Ken Golovko
- David Lawson
- Steve Rawski

Please submit your votes (or alternates) using the link <https://forms.gle/qVFEQMZ1PEhggqCRA>

While appointed by the Officers and Board (*no voting required*), we would also like to present the names of those members who have agreed to volunteer their time and talent for our various Chapter Committees:

- **Webmaster/Communications:** Ryan Sibley
- **Newsletter Editor:** Robert Hagstrom (*with special thanks to Teri Berry, It's a Berry Design*)
- **Technology Transfer:** Mary Johnson
- **Membership Promotion:** Jeff Hanzel

• **Research Promotion:**

John Sawyer

• **Historian:** Chris Mellen• **Student Activities:**

Matthew Donoghue

• **Young Engineers in ASHRAE (YEA): Chair:** Danielle Naiman,

Co-Chair: Nick Hardy

• **Refrigeration: Chair:** ChrisFarrington, **Co-Chair:** Jeff Conrad• **Women in ASHRAE:****Chair:** Mary Johnson,**Co-Chair:** Danielle Naiman• **Golf Chair: Chair:** Jeff Hanzel, **Co-Chair:** Greg Glover, **Committee:**

David Lawson

• **Grassroots Government Activities Committee (GGAC):** Nick Hill

Would you like to become more involved with the Chapter? Please take a look at these various committees. Every single one of these Chairs would appreciate your help...even for just an hour or two.

When you render your vote at <https://forms.gle/qVFEQMZ1PEhggqCRA>, please take a few minutes to consider participating.

Thanks in advance for participating in Orange Empire ASHRAE and wishing you all the best. 🍊

ORANGE EMPIRE CHAPTER

WINTER/SPRING 2019/20 SCHEDULE

MEETING LOCATION:

THE PHOENIX CLUB

1340 S. Sanderson Avenue
Anaheim, CA 92806

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TUESDAY, SEPTEMBER 24, 2019

*Dinner: VRF and Hydronics Systems:
A Strategic Comparison*

Theme: Energy Night

Place: Phoenix Club, Anaheim

TUESDAY, OCTOBER 22, 2019

*Tech: The Devil's in the Details - a CEU
Presentation on what to Look out for
when Installing Boiler and Water Heater*

Dinner: Balanced Energy

Place: The Phoenix Club, Anaheim

TUESDAY, NOVEMBER 19, 2019

*Tech: Driving to Net Zero: What Does it take
for a Student Housing Project?*

*Dinner: 2019 California Code Updates from a
Mechanical Perspective*

Theme: Research Night

Place: Phoenix Club, Anaheim

TUESDAY, DECEMBER 10, 2019

*Dinner: Holistic Thinking for Multidisciplinary
Design Solutions*

Theme: Joint Meeting with Tri-County Chapter

*Place: So Cal Gas Energy Resource Center,
Downy*

TUESDAY, JANUARY 28, 2020

*Dinner: Sustainable Refrigeration Systems:
Trends and Practices*

*Theme: Joint Meeting with ASHRAE Tri-
County Chapter – Refrigeration Night*

Place: Phoenix Club, Anaheim

TUESDAY, FEBRUARY 25, 2020

Tech: Fault Detection and Diagnostics

*Dinner: A Picture Stroll Through HVAC; the
Good, the Bad and the Ugly from a
Maintenance Perspective*

Theme: Membership Promotion Night

Place: Phoenix Club, Anaheim

TUESDAY, MARCH 10, 2020

*Dinner: Net-Zero Building vs. Net-Zero District
Perspective*

Theme: Joint Meeting with San Diego Chapter

Place: Bagby Beer Company

TUESDAY, APRIL 28, 2020

Tech: TBD

Dinner: HVAC System Design

Theme: Student Night

Place: The Phoenix Club, Anaheim

MAY DATE TBD **TENTATIVE**

Dinner: 2019-2020 Installation Night Dinner

Theme: Officer and Board Installation

Place: TBD



Orange Spiel



www.orangeempirearise.weebly.com

MEETING SUMMARY

**TUESDAY,
APRIL 28, 2020**

**THIS MONTH'S
MEETING
IS CANCELLED**

Orange Empire ASHRAE
2312 Park Avenue, #407
Tustin, CA 92782