

SIERRA DELTA ASHRAE NEWSLETTER



VOLUME 40, ISSUE 7

APRIL 2024

REGION X - CHAPTER 144

DATE: Thursday April 11th, 2024

TIME: 5:30 - No Host Cocktails
6:00 - Dinner

LOCATION:
**Papapolloni Mediterranean
Restaurant & Bar**
2501 McHenry Ave.
Modesto, CA 95350
(209)544-1784

THIS MONTH'S PROGRAM:

**Sierra Delta Chapter: Ready to
Celebrate 40 Years!**

THEME: History, Student Night,
Voting on the Board

PRESIDENT'S MESSAGE

We had a wonderful meeting last month with special guests, ASHRAE Society President, Ginger Scoggins and Region X DRC, Buzz Wright. We welcomed Ginger and Buzz on their regional tour, and we congratulate them on their successful completion through the majority of Region X and meeting their goals of carbon neutrality for the trip. Thank you for taking the time to visit our humble Sierra Delta Chapter. This month we have a historical presentation by Chapter Historian, Michael Tatoyan, to mark the Chapter's 40th anniversary. We will also be voting on the nominated officer's slate for the 2024-2025 ASHRAE year. If you have an additional nominee or wish to volunteer yourself, please let me know prior to the meeting. I look forward to seeing you all at this month's meeting as well as at our annual golf tournament at La Contenta on April 26th.

Jay Blatchford
2023/2024 Sierra-Delta President



7 White

1 Black

\$\$\$\$\$\$\$\$\$\$\$\$ **\$50.00** \$\$\$\$\$\$\$\$\$\$\$\$

Plus, Half of this Meeting's Ticket Sales

GUEST SPEAKER TOPIC & BIO

**Chapter Historian, Past President, Charter Member
Michael Tatoyan, P.E.**

Presentation Topic:

Sierra Delta Chapter: Ready to Celebrate 40 Years!



2023-2024 SIERRA DELTA MEETING SCHEDULE

Meetings are on the 2nd Thursdays of the month, exceptions: 12/8/23, 2/6/24, 3/6/24, 5/10/24.

Date	Location	Theme	Program Title
9/14/23	Papapolloni Mediterranean Restaurant & Bar	Welcome Back Night	Why Join ASHRAE? And how to get more involved Buzz Wright, P.E. Region X DRC
10/12/23	Papapolloni Mediterranean Restaurant & Bar	Refrigeration Night, Membership Promotion	Global Warming Potential and the Push Towards Natural Refrigerants Ryan Reardon, P.E.
11/9/23	Papapolloni Mediterranean Restaurant & Bar	Research Promotion	PERT-AL-PERT Line Sets for Split & Minisplit Systems Brad Campbell
12/8/23 Friday	Tresetti's World Caffe	Holiday Social	Christmas Social (Friday Evening Dinner, Spouses, Significant others)
1/11/24	Papapolloni Mediterranean Restaurant & Bar	Past Presidents Night	Making Sense of Air Quality Sensing Applications James Stein
2/6/24 Tuesday	Papapolloni Mediterranean Restaurant & Bar	Membership Promotion	Foundations and Pillars of Building Decarbonization Don Colliver Prof.
3/6/24 Wednesday	Papapolloni Mediterranean Restaurant & Bar	Presidential Visit, Women in ASHRAE & Nominations	Challenge Accepted: Tackling the Climate Crisis Ginger Scoggins, P.E. ASHRAE society President
4/11/24	Papapolloni Mediterranean Restaurant & Bar	History, Student Night, Voting of Board	Sierra Delta Chapter: Ready to Celebrate 40 Years! Micheal Tatoyan, P.E.
5/10/24 Friday	Papapolloni Mediterranean Restaurant & Bar	Installation of Officers Guests/Spouses	Year End Social -spouses, significant others

ASHRAE MISSION

To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

WHY JOIN?

ASHRAE members bring the world of ours together through the exchange of technical information, writing of standards and through committee work and networking. When you join ASHRAE, you are making an investment in yourself. When you become active in the Society by giving your time and sharing your knowledge, you get even more out of that investment.

THE BENEFITS OF MEMBERSHIP

- ASHRAE Handbook – this reference manual is the most widely cited reference for HVAC&R technology in the world. Each year one of the four volume Handbooks is updated and delivered to members to add to their library and knowledge base.
- ASHRAE Journal – a monthly magazine that brings current trends and information to your desk in your choice of print or digital format.
- ASHRAE E-newsletter – delivered to your desk in print and digital form, these publications help you keep on top of what is going on in the Society and the industry, all over the world.
- Discounts – on ASHRAE publications – ASHRAE members earn 15% off publications through the ASHRAE website at www.ashrae.org/bookstore. More than 300 titles are available including the ASHRAE standards.
- Chapter Meetings – ASHRAE chapters convene for an informational program featuring speakers and topics key to professionals in the industry. Also, an excellent opportunity to network with your peers.
- Become an Industry Leader - Develop leadership skills, work with and lead ASHRAE committee members, and network with industry professionals at ASHRAE chapter, region, and society meetings.
- Advance your Career - Look for employees & employment at ashraejobs.com and network with other HVAC&R professionals at ASHRAE meetings, participate in job postings, maintain your professional education and designation with 40+ courses, earning CEUs/PDHs/AIA LUs, and explore technical topics at ASHRAE chapter, region and society meetings.
- Protect Yourself Through Insurance - If you're in the market for insurance, keep in mind that ASHRAE members have access to a variety of plans through March U.S. Consumer

ADVERTISEMENT

Are you looking for new employees? Need a job? Want to place an advertisement for your company? If you wish to advertise in the ASHRAE Newsletter, please contact Bryan Boudreau at Bryan@BoudreauEngineering.com

Rates:

- For companies not associated with the Sierra-Delta Chapter - \$25.00 per advertisement per issue.
- For chapter members looking to fill a position – no charge.
- For chapter members looking for employment – no charge.

You can also check out the ASHRAE jobs board at <https://jobs.ashrae.org/> for possible new employment opportunities!

REPORTS:

MEMBERSHIP

Please invite to our meeting a co-worker, associate or vendor who has been wondering about the benefits of ASHRAE! Our Chapter is currently listed with 47 Members & 12 Students. We are pleased to welcome new Member Roy Greengrass, P.E. of The ESG Group as he joined at our ASHRAE booth last month at the Facilities Expo! We also had a Chapter Member renewal; a new Associate Member join for the Golden Gate Chapter as well as (10) leads of potential members!

Greg Schnable- Membership Chair
Corey Haskin- Membership Vice Chair

GAC

Legislation Introduced to Incentivize Energy-Efficiency in Bars and Restaurants

The Creating Hospitality Economic Enhancement for Restaurants and Servers (CHEERS) Act (H.R. 7577) was introduced this month by [Representatives Darin LaHood \(R-IL\) and Steven Horsford \(D-NV\)](#). This [legislation](#) would expand the Section 179D tax incentive “to apply to new keg, tap, and draft line property on commercial property in bars, restaurants, and entertainment venues” to encourage the use of energy-efficient systems in these establishments. For the last 20 years, Section 179D has allowed tax deductions for qualifying upgrades to energy efficient systems on commercial property. The CHEERS Act would also encourage the use of sustainable draft containers and investment in energy efficient draft systems for small businesses.

2022 edition of Standard 90.1 becomes the National Model Energy Code for Commercial Buildings

The U.S. Department of Energy (DOE) issued a determination that ASHRAE Standard 90.1-2022 will achieve greater energy efficiency in buildings subject to the code. DOE estimates that national savings in commercial buildings are:

- 9.8% gross *site* energy
- 9.4% gross *source* energy
- 8.9% gross *energy cost*
- 9.3% gross *carbon emissions*

Standard 90.1-2022 expands the scope of addressing building sites and modest requirements for onsite renewables.

GAC CONT.

DOE is required by law to issue a determination for ASHRAE Standard 90.1, and by March 6, 2026, states must certify that the provisions of their commercial building codes regarding energy efficiency have been reviewed and, as necessary, updated to meet or exceed the updated edition of Standard 90.1

New Wildfire Policy Report Highlights ASHRAE Standards

On March 12, the Environmental Law Institute (ELI) released a report titled *Wildfire Smoke: State Policies for Reducing Indoor Exposure*, which is focused on state policies and programs for reducing wildfire smoke exposure and improving indoor air quality. The report references ASHRAE’s [Planning Framework for Protecting Commercial Building Occupants from Smoke During Wildfire Events](#), which can be used for commercial buildings, schools, and multifamily residential buildings. It also referenced ASHRAE’s *Guideline 44P: Protecting Building Occupants from Smoke During Wildfire and Prescribed Burn Events*, which is expected to be finalized this year. Guideline 44P will cover commercial buildings, institutional buildings, and multifamily residential buildings, including buildings expected to be occupied by potentially susceptible populations, including children and the elderly. The guideline will address the design, installation, commissioning, operation, and maintenance of building envelope, ventilation, and air cleaning systems to protect building occupants from smoke exposure. A link to the full report can be found [here](#).

Bryan Boudreau- GAC Chair

STUDENT ACTIVITIES

The students tabled at a club event in March and had three students’ express interest in learning more about ASHRAE.

Jim Brugger- Student Activities Chair & Advisor

TREASURY

Checking & Cash - There is \$ \$24,267.95 in the checking account. \$357.00 in the cash box

Bryan Boudreau-Treasurer

HISTORY

Seriously, I can't believe I'm writing this part again: **I continue to look for help from all Past-Presidents for a corrected list of all chapter officers and committee chairs during their administration. This is one of the biggest holes in our chapter timeline. I've received a response from only one Past-President so far, and I don't see this as a big ask. Please just send me an email. I'm going to continue to ask until all Past Presidents submit to my will.**

I will be updating our PAOE points on April 1, and will report at the meeting. We're looking good to exceed 1000.

I'll be our April speaker with much to share about our chapter history. As September 2024 will be our 40th anniversary, we will be discussing our founding process, founding members and some of our major milestones.

And now, a sampling of next year's Historian reports, the brief biographies of founders and legends in our industry. I will be concentrating on one per month, and I'm taking requests:

Edwin Ruud (9 June 1854 – 9 December 1932) was a Norwegian-American mechanical engineer and inventor who immigrated to the United States where he designed, sold, and popularized the tankless water heater. He was the founder and President of Ruud Manufacturing Company, now a division of Rheem Manufacturing Company.

Willis Haviland Carrier (November 26, 1876 – October 7, 1950) was an American engineer, best known for inventing modern air conditioning. Carrier invented the first electrical air conditioning unit in 1902. In 1915, he founded Carrier Corporation, a company specializing in the manufacture and distribution of heating, ventilation, and air conditioning (HVAC) systems.

Reuben Nicholas Trane (September 13, 1886 – September 5, 1954) was an American mechanical engineer. Together with his father James Trane, he founded the heating and air conditioning company, Trane.

Michael Tatoyan- Historian

RESEARCH PROMOTION

April showers bring green hills & Sunshine at La Contenta! We are at 80% of our annual goal of \$2,200 and commitments for over \$300, so we are steadily gaining! Be sure to sign up for the Golf Tournament and buy a Mulligan to support RP & Scholarships! Thank you to all who have donated so far, and we're looking forward to seeing more people join in to support the cause! We hit that mark during last year's campaign period, and I know we can do it again! We are thankful for all the contributions we received from our guests, our corporate sponsors, our members, and officers in the previous years. Please know that RP dollars go back to the industry in many ways, such as "Optimization of a Variable-Capacity/Variable-Fan-Speed Residential Heat Pump System with Ductwork" (UC Davis). I encourage you to take a few minutes to discover the broad reach your ASHRAE RP dollar makes.

For information, please visit:

<https://www.ashrae.org/technical-resources/research/ashrae-rp>

Please consider contributing today. Click on the blue "Online Contribution Form" button on the webpage listed above. Select Sierra-Delta Chapter #144 as the Chapter associated with your contribution or contact any Sierra-Delta officer for more details.

Ruben Willmarth- RP Chair

PRESIDENTIAL VISIT

Below is a picture from our very special meeting last month We had current ASHRAE Society President Ginger Scoggins as well as Region X's very own DRC Buzz Wright visit us.



MEETING MINUTES:

CHAPTER: Sierra Delta Chapter #144

ATTENDANCE: MEMBERS 13; GUESTS 4; STUDENTS 4

DISTRIBUTION: Chapter files, Chapter President, Regional Chairman, Membership Dept., ASHRAE, Atlanta

MEETING DATE: 3/6/2024

RECORDED BY: Matt Killough

1) MEMBERSHIP MEETING: Presided by Jay Blatchford, Chapter President

2) CALL TO ORDER: 5:57 PM. @ Papapolloni

3) INTRODUCTIONS: Board Members & Chairs

4) APPROVAL OF MINUTES: Michael Tatoyan, Jim Brugger Second.

5) AWARDS: None

6) REPORTS:

RESEARCH PROMOTION: \$1,754. With \$350 more committed.

STUDENT ACTIVITIES: Connecting with Micheal on two Capstone teams. Thermal Energy Storage.

REFRIGERATION: No Report

HISTORY: Continuing to make progress finding information. Over 1,000 PAOE points!

MEMBERSHIP: Alex Sheflo one of our charter members has passed away. As well as another life member. Down to 46 members, 12 students

TREASURER: There is \$15,330.34 in the checking account with more checks to deposit. \$322.00 in cash box.

NEWSLETTER: No Report

CTTC: Thanking Ginger for being here tonight.

GAC: UAE Visit the ASHRAE website to read up on 10-30 new articles.

WEBSITE: Continuing to add content.

GOLF TOURNAMENT: We are all set for Friday April 26th, 2024, at La Contenta. Going to start the Alex Scheflo Scholarship.

OLD BUSINESS: Discussing Nominations

NEW BUSINESS: Ginger Scoggins P.E. and this year's Society President to present on Climate Change next month.

Announcements: No Report

7) FINES: None

8) MARBLE GAME: No marble game

9) Meeting adjourned: 7:25 PM

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