VAV REGISTER

sacramento valley chapter

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Michael Hamaker
mhamaker@airtreatment.com

PRESIDENT'S MESSAGE

By Jake Garcia

Greetings ASHRAE Family:

Many of your board members & chapter chairs have recently returned from the annual Chapter Regional Conference (CRC) in Berkley. Our friends at the Golden Gate Chapter provided an outstanding venue that was well attended. For those of you familiar with CRC I can assure you this year did not disappoint. With a record number of motions to consider and vote on, this year was full of excitement and a lot of emotion.

One topic that brought out significant emotion was region dues. Society has changed policy for calculating chapter's regional dues. Each chapter is now required to pay for each Area Assigned Member (AAM). When you join ASHRAE and pay the $190.00 fee you automatically become an AAM under a designated region and chapter. If you elect to pay the additional chapter fee, which is $25.00 for Sac Valley and one of the lowest in our region, then you become a Chapter Dues Paying Member (CDPM). We currently have 269 AAM's and 190 CDPM's. What this means is that we as a chapter are responsible to pay for 79 individuals who have not contributed chapter dues. Effectively this change has more than doubled our regional fees.

After talking with folks within our chapter it came to light that some were not aware of the $25.00 cost to become a CDPM. If you are not aware of this then please go to www.ashrae.org and become a CDPM. This will show your support toward our chapter's growth.

As a CDPM you receive many membership benefits. All CDPM's have the board as an audience to support you at both a regional and a society level. Membership also entitles you to a 12.5% discount when you join us at our monthly dinner meeting. Furthermore, you are kept up to date on ASHRAE news, events and developments within our chapter by receiving the VAV Register. Membership has its privileges.

The VAV Register is a valuable resource and the chapter's primary conduit for keeping our CDPM's informed. For a limited time our AAM's will receive our newsletter reinforcing the worth in becoming a CDPM. If you as an AAM want to continue to stay abreast of chapter activities then please take time to update your status.

At a chapter level we are well into planning this year's activities. We have again secured Cattlemen's for our meeting location because their hospitality has proven itself year after year. Our technical program speakers are being finalized and we are hopeful to have the year booked out prior to our November 7th meeting. This year is our chapter's 60th anniversary and we are negotiating a special December guest night celebration that you will not want to miss so mark your calendar, Wednesday, December 5th.

Our first organized event is coming up October 10th. We hope to see you at our 4th Annual Shooting for Students scholarship fund raiser. This is an excellent opportunity to showcase your shooting skills while supporting engineers of tomorrow. One hundred percent of the proceeds are given back to the collegiate community in the form of scholarships, so come on out!

Look forward to seeing you all in October.

MEMBERSHIP UPDATES

ANNOUNCEMENTS:

Hello Fellow Sacramento ASHRAE chapter members.
We have recently added four new chapter members to our roster. Please join me in welcoming:

- Sergio Rodriguez (Kitchell)
- Britt Rogers (Precept Environmental)
- Michael Hamaker (Air Treatment)
- Andrew Booth (FM Booth)

Both Sergio and Michael have volunteered to get involved with our chapter duties. Sergio will be heading up historian efforts and we are excited to have him on board. Michael has familiarity with web development and he has volunteered to be our Web Master. Our chapter has gone without a web site for some time now and we look forward to having this resource back on line. Welcome aboard!

MEMBERSHIP STATUS:

We have a lot of associate members who qualify for full membership status. If you are an associate member of ASHARE and have been a member of ASHRAE for 12 or more years and have been working in a HVAC or Refrigeration related field then please follow the steps listed below to upgrade your status to full "Member" Status.

To advance from Associate to Member, you must update your ASHRAE bio online, and notify membership@ashrae.org that you have an updated bio and wish to be considered for grade advancement.
Steps for updating your biography:

1. Log into www.ashrae.org by selecting 'Join or Login' in the upper right corner. Enter your email address and password then select 'Sign In.'
2. Hover over the 'Membership & Conferences' tab and select 'My Membership.'
3. Under 'Manage Personal Information,' select 'Change Your Address/View or Edit Your Profile.'
4. Select the 'Edu. Pro. Reg' link located in the blue font above your name. Add all of your educational history, relevant professional licenses and work history.
5. Confirm that your contact information is current by clicking on 'Contact Info.'

The Chapter receives PAOE points for every grade advancement so please upgrade if you qualify.

Thank you,
Bill Carmody – Membership Chair

GOT ADVERTISING?

ADVERTISEMENT SPACE IS LIMITED SO ACT NOW!

COST:
Full Page: $100/month or $400/year
1/2 Page: $75/month or $300/year
1/4 Page: $50/month or $200/year
Business Card: $50/month or $200/year

Email: Jake Garcia at jgarcia@lhairco.com for more information.

2012-2013 EVENTS

October 10, 2012
4th Annual Shooting for Students Scholarship Fundraiser

November
Student Night (11/7/12)

December
Guest Night (12/5/12)

January
CTTC Night (1/9/13)

February
Membership Promotion Night (2/6/13)

March
Research Promotion Night and Chair Nominations (3/6/13)

April
Past President Night and Election (4/3/13)

May
Field Trip (Location and Date TBD)

June
Golf Tournament (Location and Date TBD)

EVENT PAYMENT INFORMATION

- Payment can be cash or check day of the event
  - » Make Checks Payable to "Sac Valley ASHRAE"
- Payment can be made by credit card in advance using PayPal
  - » Go to www.paypal.com
  - » From the "Send Money" drop down, select "Send Money Online" and enter the following fields:
- Enter sacashrae@yahoo.com as sent to
- Under Notes: Enter "*Month* ASHRAE Dinner and *Your Name*"
- Send email notifications to Jake Garcia (jgarcia@lhairco.com) and to Kyle Deane (kyled@fmbdbc.com) with payment confirmation and note indicating payment by paypal.

BECOME A MEMBER

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 publication 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.

Shaping Tomorrow's
Built Environment Today

ASHRAE MEMBERSHIP APPLICATION

ASHRAE provides essential resources for sustainable design, construction and operation of buildings. We are the world's leader of the built environment technologies.

Through your knowledge and understanding of the industry, we can continue to expand our sustainability efforts, increase the stringency of industry standards and develop technology that enables high performance for the life of a building.

With more than 52,000 members from over 125 nations, ASHRAE is a diverse organization representing building system design professionals around the world.

Member Benefits and Resources

Publications & Resources

- The ASHRAE Handbook – the industry-wide resource for all HVAC&R professionals. (Available to Members and Associate Members.)
- ASHRAE Journal – the most trusted monthly technical magazine in the HVAC&R community.
- HPB magazine – quarterly magazine focusing on the benefits of innovative technologies and energy-efficient design and operation. A digital subscription is available to members.
- eSociety – a monthly electronic news resource from ASHRAE about its activities and members.
- Access to the members-only resource website.
- New members have access to the ASHRAE Handbook series with a complimentary 12-month subscription to ASHRAE Handbook Online, which allows search of all four volumes in I-P and SI units. (You can renew this subscription for only $49 at the end of your first year of membership.) This offer applies to first-time Associate Members and Members joining on or after July 1, 2011.

Professional Education and Career Development

- Maximize your knowledge by taking courses from the ASHRAE Learning Institute (ALI).
- Earn PDHs / CEUs / AIA LUs to maintain your certification/license with courses, seminars and webcasts.
- Demonstrate your knowledge and experience by earning an ASHRAE certification.
- Build communication and management skills by participating in a technical program or serving on a technical committee.
- Post jobs or seek employment utilizing ASHRAEJobs.com.

Networking

- Meet with industry experts and colleagues at chapter, region and Society conferences.
- Connect locally, regionally and internationally with over 175 chapters worldwide.
- Learn, share and grow at the ASHRAE Annual & Winter Conferences, and the AHR Expo at the ASHRAE Winter Conference.

Member Discounts

- On education courses and certification applications.
- On registration at ASHRAE conferences.
- Access to and discount on more than 300 of the industry's leading technical publications.

Membership

Members are represented by consulting engineers, mechanical contractors, building owners, employees of manufacturing companies, educational institutions, research organizations, government, architects, students or anyone concerned with HVAC&R for the built environment.

What Member Type is Right for You?
ASHRAE has three grades of membership awarded to applicants based on their experience and participation in the industry.

Member and associate grades offer the same member benefits.

Member ($190 US)
Available to anyone with 12 years or more ASHRAE-approved experience in the HVAC&R industry.

Associate Member ($190 US)
Available to anyone with less than 12 years of ASHRAE-approved experience in the HVAC&R industry.

Affiliate Member
($50 US/first year, $70 US/second year, $90 US/third year)
Affiliate grade is perfect for individuals who are new to ASHRAE (not previous Student or Associate members) who are age 30 or younger. It provides a great beginning for young professionals who wish to become involved in ASHRAE. Affiliate grade does not include the annual member benefit of the ASHRAE Handbook.

**Before you apply and select a member grade, we encourage you to visit the ASHRAE website at: www.ashrae.org/membership to see the member grades and their corresponding member benefits.

Join ASHRAE today. Save time, join online.

www.ashrae.org

ASHRAE
1791 Tullie Circle NE, Atlanta, GA 30329 • Phone: 1-800-527-4723 (U.S and Canada) • 404-636-8400 (world-wide) • Fax: 678-539-2129

SCHOLARSHIP OPPORTUNITIES

COLLEGE STUDENTS

We recognize our future success as a society is driven by students of today. Without the future leaders of the HVAC&R industry, we at ASHRAE wouldn't be able to do what we do. In an effort to encourage student involvement, reward academic success and help reduce the financial burdens of obtaining an engineering education we are pleased to announce that we are offering two $500.00 scholarships. Additional scholarships may be awarded as funds are available. Applications must be submitted no later than March 18, 2013.

AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS

SCHOLARSHIP APPLICATION FORM

Name: _____

Address: _____

City, State, Zip Code: _____

Phone: (_____) _____

Email: _____

School Attending: _____

Major: _____

Units to Date: _____

Major GPA: _____ Cumulative GPA: _____

ASHRAE STUDENT MEMBERSHIP NUMBER: _____

If you are currently applying for student membership please attach a copy of your membership application.

ATTACHMENTS REQUIRED:

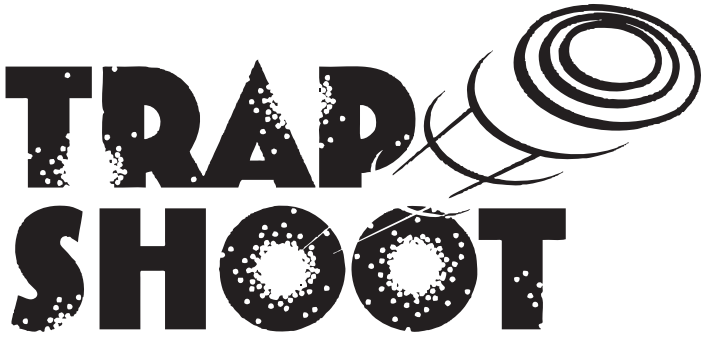
1. **RESUME**
2. **PERSONAL STATEMENT** which should include information on your background, goals, community activities, intentions upon completion of the degree, financial needs (i.e.; size of household, are you responsible for financing your own education, do you live independently), and any material that supports your application. (500 words or less.)
3. **MOST RECENT TRANSCRIPT**
4. **TWO LETTERS OF RECOMMENDATION**

APPLICATION DEADLINE: March 18, 2013

RETURN APPLICATION MATERIALS TO:

Attn: Kevin Baldwin
McClintock & Bustad
3144 Java Court | West Sacramento, CA 95691

4th ANNUAL SHOOTING FOR STUDENTS



Dear Chapter Members,

Once again, we are going to start our ASHRAE year with a bang. We are holding our fourth annual Shooting for Students event on October 10th starting at 3:00 PM. For those of you able to attend our previous events, you know this event to be a great time with friends and colleagues. Building on previous success, we have made several changes to cater to spectators and teams.

NEW FOR THIS YEAR

Event: This year's event will be 48 targets at a twelve station sporting clays course. Sporting Clays is similar to Golf with a shotgun.

OTHER ITEMS OF INTEREST

High Score: High score last year was a near perfect 49/50 for trap.
Dinner: Dinner will be catered BBQ.
Spectators: Have no interest in shooting? No Problem! This year we have a nominal charge for spectators to come out and enjoy the event without having to shoot. Please remember to bring a pair of glasses, sunglasses, or safety glasses. With that being said, please fill out the flyer and entry form that follows. We are also looking for approximately 7 non-shooters that are willing to volunteer for the event. The volunteers will be needed to help with check-in and set-up. Please contact Jeffrey Jerwers at Jeffrey.d.jerwers@jci.com or 916.294.8862 if you are interested in volunteering or have any questions regarding the event.

FREQUENTLY ASKED QUESTIONS

Will the event be fun? Yes
Do I need to provide my own shotgun? Yes, unfortunately the new venue does not have rental guns available. In sporting clays it is possible for two shooters to share a gun, assuming they are on the same team.
Do I need to bring my own ammo? What type of ammo do I need? No, ammo is included with your entry fee. We will have both 12Ga. and 20Ga. trap loads for the event
Did Jake Garcia really only shoot a 4 at last year's event? No - this is not true. After only shooting a 4 in the 2009 trap shoot, Jake chose to volunteer in 2010 trap shoot and came back with a strong effort to shoot a 34 in 2011.

2012 ASHRAE SHOOT
SHOOTING FOR STUDENTS

Coon Creek Trap & Skeet
5393 Waltz Road
Lincoln, CA 95648
(916) 539-8544
See directions on following page

Wednesday, Oct. 10th - 3:00 P.M
Cost: $85 Per Shooter
$20 for Spectators/Guests
Mandatory Safety Meeting at: 3:00 P.M.

SPECTATORS/GUESTS

Please feel free to come out to cheer on your favorite shooter or socialize with other ASHRAE Members. We do ask for $20 and that you RSVP so we can have the correct head count for dinner/refreshments/party favors.

SHOOTERS

Format will be individual shooters and five man teams competing for highest scratch score. Each shooter will shoot 48 targets – along a 12 station sporting clay course. Costs include Targets, Shells, Dinner and Refreshments. Team awards will be based on the 3 highest scores from each of the twelve stations.

ALL PROCEEDS FROM THIS EVENT GO TO PROMOTE OUR LOCAL STUDENT CHAPTERS AND SCHOLORSHIPS.

ASHRAE TRAP SHOOT REGISTRATION

I am registering as: Individual ___ Team ___ Team Name: _____

Shooter 1: _____ Company: _____ Phone:_____

Gun: 12 Ga. _____ 20 Ga. _____

Please complete additional shooters if registering a team:

Shooter 2: _____ Company: _____ Phone:_____

Gun: 12 Ga. _____ 20 Ga. _____

Shooter 3: _____ Company: _____ Phone:_____

Gun: 12 Ga. _____ 20 Ga. _____

Shooter 4: _____ Company: _____ Phone:_____

Gun: 12 Ga. _____ 20 Ga. _____

Shooter 5: _____ Company: _____ Phone:_____

Gun: 12 Ga. _____ 20 Ga. _____

Payment:

Shooters:	Qty: ____ X $85.00 Ea. =	_____
Non Shooter:	Qty: ____ X $20.00 Ea. =	_____
Trap House Sponsorship:	Qty: ____ X $50.00 Ea. =	_____

TOTAL ENCLOSED_____

Return completed form below with your payment no later than September 30, 2012. All checks should be payable to "Sacramento ASHRAE", mail to Jeffrey Jerwers @ 103 Woodmere Ro ad, Suite 110, Folsom, CA 95630. Phone: (916) 294 -8862. Email: Jeffrey.D.Jerwers@JCI.com . Credit Card payment also available – see instructions below.

To pay with a credit card:

1) Go to Paypal.com
2) Select send money to email/Phone
3) Enter "sacashrae@yahoo.com" as send to:
4) Under Notes - Enter ASHRAE Trap and Your Name
5) Send email to jeffrey.d.jerwers@jci.com with scan of entry form and note indicating Paypal payment

CLASSROOM EDUCATION

STUDENTS

Here are 2 opportunities you may be interested in pursuing. One is a class for Sacramento City College and the other is for SMUD courses.

MET 391 Mechanical Systems Commissioning 3 Units

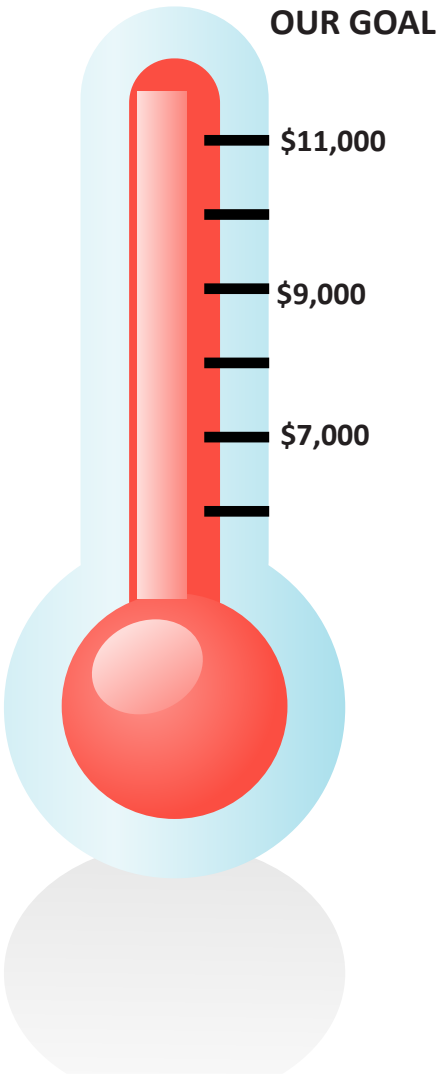
Prerequisite: MET 381, 383, and 384 with grades of "C" or better
Advisory: MET 392 and MET 396 with a grade of "C" or better or concurrent enrollment in MET 392 and MET 396.

Course Transferable to CSU, Green Course
Hours: 36 hours LEC ; 54 hours LAB
Description: This course focuses on the techniques and practices of commissioning controls and mechanical systems that are used in heating, ventilation, air conditioning, pumping, renewable and sustainable energy, and water treatment. Units of instruction include energy conservation; developing and implementing a comprehensive commissioning plan; inspection and testing of control systems, mechanical equipment, field devices and user interfaces to ensure that they are installed, programmed, and operated precisely as the design intent. Components of this course may be offered online. Students may be required to have access to a computer and the Internet and have some familiarity with a computer.
Schedule: **Eight Week - Second, Oct 20-Dec 14**
ThF 05:15PM-07:20PM LEC D.Castillo SCC MAIN LAC 9 18540 Textbook
ThF 07:30PM-10:45PM LAB D.Castillo SCC MAIN LAC 9

SMUD™

SMUD's Energy & Technology Center (E&TC) offers educational programs to its customers on energy efficiency and current industry technology. The E&TC offers technical trainings on subjects such as lighting, HVAC, architecture/ construction, whole building performance, and building science. Most of the classes are at "no cost". See the current schedule and class descriptions at www.smud.org/etc. Register online or call (916) 732-6738.

ASHRAE RESEARCH



The ASHRAE Research Strategic Plan for 2010-2015 consists of 11 strategic goals that were chosen to address technical challenges that limit our ability to maximize building performance, energy efficiency and indoor environmental quality while minimizing our impact on the environment. Meeting any of the 11 strategic goals will require coordinated effort among multiple technical committees.

Please help the Sacramento Valley Chapter achieve our 2012-2013 goals and contribute today. Every dollar donated to research is used toward research goals.

You can make a difference.

Donations can be completed online at:
https://xp20.ashrae.org/secure/researchpromotion/rp.html

This is found at www.ashrae.org. From the ASHRAE home page, click on *Standards, Research & Technology,* click on *Research,* click on *Research Promotion* and click *Online Contribution Form.*

Note: In the "Assigned ASHRAE Chapter" box please enter Sacramento Valley, Region X.

Donations can be submitted along with completed form to:

ASHRAE Research
c/o Capital Engineering
Attn: Kevin Stillman
11020 Sun Center Drive, Suite 100
Rancho Cordova, CA 95670

PLEASE COMPLETE THE INFORMATION HERE AND SEND IT IN WITH YOUR DONATION | PLEASE PRINT

Please check one: ( ) Personal Contribution ( ) Company Contribution Check # _____ Donation Amount: $_____

Charge the gift to : ( ) Visa ( ) MasterCard ( ) American Express Credit Card #_____ Exp_____

Name: _____ Member/Contributor #: _____

Company: _____ Phone: _____

Address: _____

City/State/Zip _____ Chapter to credit: _____

Apply Donation to: ( ) Research ( ) Learning Institute ( ) Foundation ___ General ___ Research ( ) General Fund (unrestricted)
Memorial/Honor Gift Section Only

Memorial ( ) Honor Gift ( ) For: _____

Please send acknowledgement to: _____ Relation to deceased/Honoree: _____