



ASHRAE San Diego Newsletter



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

REGION X

Volume 2, Issue 10

www.ashraesd.org

October 2010

October Meeting Tuesday, Oct 12th

11:30-12:00: Sign In
12:00-12:30: General Introduction & Announcements
12:30-1:30: Lunch & Speaker
1:30-1:45: Raffle & Adjourn

The Butcher Shop
5255 Kearny Villa Rd.
San Diego, CA 92123 (858) 565-2272

RSVP by calling or emailing your reservation to:

Heather O'Donnell
Phone (858) 391-7014 Email: Heathero@climatec.com

**Have you checked out the
NEW and IMPROVED
ASHRAE website?
Visit www.ashraesd.org TODAY
to get everything you need to
know on events, news, and
more!!**

October Speaker — Fan Ratings vs Applied Fan Performance

Abstract

AMCA is a highly rated and valuable entity with in our industry. An AMCA label is a sign that a fan or component has met the stringent requirements and testing as defined by AMCA in a lab condition. AMCA rates individual components, not a system, not an air handler. What an owner pays for is the power consumed by the collection of components and how they are applied in a system. In the presentation, Dave Benson will discuss the differences of component efficiencies and ratings vs performance of a unit and the system effects.

BIO

Dave Benson
HUNTAIR President

Dave Benson is a Grossmont High School and Cal Poly San Luis Obispo graduate and has been in the HVAC business for the past 30 years.

Dave Benson's career started at Intel Oregon as a HVAC design engineer and responsibilities expanded to include Operations and Maintenance Manager and Site Manager. In 1987 Dave Benson joined Pace and started the CleanPak division. This operation was focused on the air delivery solutions for the Semiconductor industry, including Cleanroom ceiling systems, Recirculation, and Make Up air handlers.

In 1993 Dave Benson started HUNTAIR in Portland Oregon. HUNTAIR now employees over 600 people and is focused on custom equipment and Air Handling solutions for Semiconductor, Biotech, Healthcare, as well as Commercial and Industrial applications.

Dave Benson is actively involved in many organizations, including the V- Foundation, Oregon State University Collage of Oceanic and Atmospheric Science's Board, and Oregon State University Foundation board of Trustee's.

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September Meeting Pictures



Past Presidents

Are you looking to educate
ASHRAE members on your
products or services?

Table Tops can be purchased
at our meetings for \$200,
contact a Board Member for
more information!



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Letter from the Editor

Jennifer Felsburg
Trane

**Would you like to promote your company thru
the newsletter?**

Get a free month post when you contribute to the
newsletter. You can write an article on HVAC related
news, share photos from ASHRAE events, or write a
recap of a meeting...If you would like to contribute,
please email your submission by the 24th of the month.
Email any questions/comments to jjdriscoll@trane.com.

Or you can advertise as follows:

Business Card 6 Issues; \$80
Business Card 12 Issues; \$140
Half Page (4.9" tall x7.25" wide) Ad 1 Issue; \$50
Half Page (4.9" tall x7.25" wide) Ad 3 Issues; \$125
Full Page (9.8" tall x7.25" wide) Ad 1 Issue; \$100
Full Page (9.8" tall x 7.25" wide) Ad 3 Issues; \$250

Submissions: Due by 24th of the month for inclusion in
the newsletter issued on the 1st. Email submissions to:
jjdriscoll@trane.com please include "ASHRAE SD
Newsletter Ad" in the subject line.

OCTOBER DATES TO REMEMBER

THRU 10/31: FALL ON THE FARM, BATES NUTS FARM, VALLEY CENTER, CA
THRU 10/31: ANNUAL JULIAN FALL APPLE HARVEST DAYS, JULIAN, CA
THRU 10/31: PUMPKIN STATION, DEL MAR FAIRGROUNDS
THRU 10/31: HAUNTED HOTEL, GASLAMP
THRU 10/31: SCREAM ZONE, DEL MAR FAIRGROUNDS
THRU 10/31: HAUNTED TRAIL OF BALBOA PARK, BALBOA PARK
10/01-10/03: MARINE CORPS AIR STATION MIRAMAR AIR SHOW, MCAS MIRAMAR
10/01-10/03: OCTOBERFEST 2010, LA MESA
10/02: SAN DIEGO TOUR DE FAT: BICYCLE PARADE AND FESTIVAL, BALBOA PARK
10/02: WALK NOW FOR AUTISM SPEAKS, LIBERTY STATION
10/02: 4TH ANNUAL SEA WORLD SHAMU & YOU FAMILY WALK, MISSION BAY
10/8-10/09: FALL ROD RUN, TEMECULA
10/09: 5TH ANNUAL WALK ON THE WILD SIDE, SAN DIEGO ZOO, BALBOA PARK
10/09-10/10: 2ND ANNUAL LA JOLLA ART & WINE FESTIVAL, LA JOLLA
10/10: 16TH ANNUAL LITTLE ITALY FESTA, LITTLE ITALY
10/16: AFSP OUT OF THE DARKNESS WALK, EAST MISSION BAY
10/16-10/17: 29TH ANNUAL MS BAY TO BAY BIKE TOUR, HUNTINGTON BEACH TO MISSION BAY
10/17: IT'S A GREEN DAY FESTIVAL, LA JOLLA
10/18: SAN DIEGO TRIATHLON CLASSIC, POINT LOMA
10/20: ANNUAL BUSINESS EXPO, VISTA BUSINESS PARK
10/22-10/24: AUTUMN HARVEST FESTIVAL, CARLSBAD VILLAGE
10/23: FALL FACELIFT 2010, CITY HEIGHTS
10/23: ALZHEIMERS ASSOCIATION MEMORY WALK, BALBOA PARK
10/31: 10TH ANNUAL MONSTER BASH, GASLAMP
10/31: ONCE UPON A HALLOWE'EN, OLD POWAY PARK

SAVE THE DATE

12/14/10 : ASHRAE HOLIDAY PARTY, HARD ROCK, GASLAMP
01/29/11-02/2/11: ASHRAE WINTER CONFERENCE. LAS VEGAS. NEVADA

SEMINARS & CLASSES

FOR MORE INFORMATION ON ALL SEE WWW.SDGE.COM

ALL CLASSES LOCATED AT:

SAN DIEGO ENERGY RESOURCE CENTER
 8690 BALBOA AVE, STE. 100
 SAN DIEGO, CA 92123

SOLAR TECHNOLOGY SERIES

DATE: MONDAY, 10/04/10, 3:00 PM- 5:00 PM

ENERGY MANAGEMENT SYSTEMS

DATE: WEDNESDAY, 10/06/10, 8:00 AM- 3:00 PM

ENERGY STAR PORTFOLIO MANAGER ENERGY PERFORMANCE TOOLS

DATE: THURSDAY, 10/07/10, 8:30 AM- 11:30 AM

LUNCH AND LEARN: THE GEOTHERMAL HEAT PUMP SYSTEM

DATE: WEDNESDAY, 10/13/10, 11:30 AM- 1:00 PM

IS YOUR ENERGY STARTING TO BOIL? ENERGY EFFICIENCY MEASURES FOR BOILERS

DATE: THURSDAY, 10/21/10, 8:00 AM- 12:00 PM

ENERGY STAR BEST PRACTICES

DATE: TUESDAY, 10/26/10, 8:30 AM- 11:30 AM

October 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 Miramar Air Show thru the 3rd 	2 San Diego Tour de Fat 
3 	4	5	6	7	8	9 
10 Little Italy Festa 	11	12  LOCAL ASHRAE	13	14	15	16 AFSP Out of the Darkness Walk
17 It's a Green Day Festival, La Jolla 	18 San Diego Triathlon 	19	20	21	22 Autumn Harvest Festival thru 24th 	23
24	25	26	27	28	29	30
31 						

Presidents Message

Greetings from the San Diego Chapter of ASHRAE. I am honored to serve as your president for the 2010-2011 ASHRAE year, the 52nd in our local chapter.

Please allow me to share a little about myself. It is especially gratifying for me to lead this Chapter this year. My family has been involved in the HVAC business since my dad, Bob Richards, started working for NASSCO in the sixties. I grew up in my dad's shop, South Bay Mechanical Services, making sheet metal duct and installing it. I got involved with ASHRAE at SDSU and served as the student chapter president. At my first ASHRAE meeting in Feb '95, I meet Colin Cook and Mike Schatz and ended up working with them at TKG Consulting Engineers, my first real engineering job. I learned an incredible amount there and continue to try and learn something new every day.

My involvement in ASHRAE has allowed me to provide for my family, meet fantastic people and honor the trade that has been so good to my family over the past 45 years here in San Diego. I take pride in the work that we do in this field and it is a great experience to work with others who share similar attitudes, stories and interests.

This ASHRAE year promises to be another great one with quality monthly programs and entertaining events like the golf tournament, holiday party and YEA (Young Engineers in ASHRAE) events. Look for new twists to our familiar activities. Check us out on Facebook too [ASHRAE SD on Facebook!](#)

We are generating record revenues despite the Great Recession. Our Chapter annual revenue is almost \$100,000 per year. Thanks to our member's and sponsor's support we raised over \$28,000 for ASHRAE research. Our scholarship engine, ASHRAE San Diego Foundation, has grown to the point that we offer \$3000 in scholarships for qualified San Diego students this year. Our area assigned membership is 342 and paid membership currently consists of 231 people with 30 student members. Our email distribution list is about 470 people.

At the Society (National) level, ASHRAE is a \$19 million not for profit organization with a \$5 million research fund. ASHRAE has 52,193 members of which 5,638 are students¹. Last year over \$2 million was raised for research, however the ongoing projects are worth over 10 million dollars. There are almost \$1 million worth of research projects ongoing in our Region (X); not a bad return on investment from the collective \$158k Region X contribution¹. Our Region is the beneficiary of a disproportionate amount of Society research dollars!

Contributions to ASHRAE help complete major projects such as; the recently released Standard 189.1 for green buildings, an updated Standard 90.1-2010 coming this fall, Building EQ rating system, Professional Certification programs, Government Advocacy in Washington DC, the Advanced Building Design guides, a Standard 62.1 [iphone application](#), an updated website with a user friendly bookstore and many more new tools and information for our collective toolboxes! Learn more about what your Society is doing and visit the national website at www.ashrae.org and while you are there, please login and update your profile online. This helps us keep your information current for the next edition of the Chapter Roster.

Our primary mode for keeping our local members informed is electronically by email and our website at www.ashraesd.org. If you are not on the email list, please take a minute to visit our website and [sign up](#).

I want to thank all of our Board members and Committee members who volunteer their time to serve this Chapter so admirably as well as all of the supporting Companies here in San Diego who donate generously. This Chapter, and Society for that matter, would not exist if not for the support of the members. This is truly a grass roots organization that provides real value for the HVAC&R community right here in San Diego.

Respectfully,
Mark E. Richards P.E.

INTERESTED IN FURTHERING YOUR EDUCATION???

For information on Cal State Fullerton's programs on Sustainability, Green Building, Information Technology and more, please visit www.csufextension.org/green. If you have specific questions about the programs, please contact Shelly Wang at (657) 278-5977 or Melem Sharpe at (657)278-5232.

Announcing... The 2010 Annual ASHRAE Holiday Party

It's back. And it's bigger, badder, and better than ever...



If you were able to join us last year, then you know what to expect. For those of who missed the party of the year in 2009, be sure to join us for the party of the decade in 2010. More food, fun, casino games and music are sure to entertain and this year we are stepping up the raffle prizes too. Come out and support ASHRAE Research Promotions while networking with a great crowd and having a great time!

When: Tuesday, December 14th, 5:30-10:00pm, OPEN BAR 6:30-8:30pm

Where: Hard Rock Café, 801 4th Avenue, Downtown San Diego

Why: All Proceeds will be donated to ASHRAE Research Promotions



Sponsorship Opportunities

High Roller Bar Sponsorship: \$3,300 - Includes Dinner/reserved table for 8 and Recognition throughout event and printed on gifts give to all attendees

Black Chip Sponsor: \$1,650 - Includes dinner/reserved table for 6 and sponsorship recognition

Blue Chip Sponsor: \$1,100 - Includes dinner/reserved table for 4 and sponsorship recognition

Red Chip Sponsor: \$550 - Includes dinner/reserved table for 2 and sponsorship recognition



Rock this Way



TICKETS ARE AVAILABLE FOR PURCHASE UNTIL THE DAY OF THE EVENT. SEE BELOW FOR ADVANCE DISCOUNT PRICING:

RSVP by Nov 15th - \$95 per person

RSVP after Nov 15th - \$120 per person

Purchase Ticket at the door - \$140 per person

Once again, ASHRAE San Diego will be supporting the Toys 4 Tots program. Bring a new, unwrapped toy to the party to receive an extra raffle Ticket!

→ RSVP to Andy Nash at anash@umec.com

Questions? Please contact:

Heather Schopplein at 707-318-4307 or Cindy Hyatt at 858-254-7458

CALLING ALL AUTHORS!!!

Do you enjoy writing and sharing with your fellow HVAC professionals? Here in ASHRAE, we encourage all members to share their experiences, thoughts, photos, stories and ideas with one another in the immense forum available to our membership.

The San Diego ASHRAE chapter is actively looking for HVAC related articles to be included in our monthly newsletter. By submitting an article, you may become eligible for a free post in our monthly newsletter. Please contact our editor, Ms. Jennifer Felsburg at jjdriscoll@trane.com with your submission or for more information regarding the San Diego Chapter newsletter.

Likewise, our society publication, *Insights*, also seeks content from our membership on an ongoing basis. The *Insights* newsletter is distributed to our membership every other month with the ASHRAE journal and is available electronically at <http://www.ashrae.org/publications/>. If you have an article that you would like to share with Society, please contact myself at cindyh@tmmechanical.com or log on to the Society publications page for further instructions.

The San Diego HVAC community has a voice – LET IT BE HEARD!

Warmest Regards,
Cindy Hyatt

San Diego Chapter Publicity/Welcoming Chairperson

Stay In Touch...

Times goes by and schedules get filled faster than we know, but the ASHRAE San Diego Chapter wants to keep in touch with you and make sure that you are always aware of the latest events, seminars, and that you can reach us at any time. That's why we are always striving to create new ways to stay in touch with our membership. Please visit us at one of the following resources anytime and follow the links to contact one of our board members and/or committee chairs directly:

The San Diego Chapter Website: www.ashraesd.org

SD Chapter Facebook Page: <http://www.facebook.com/group.php?gid=238450684264&ref=ts>

SD Chapter YEA Facebook Page: <http://www.facebook.com/group.php?gid=238450684264&ref=ts#/group.php?gid=96582132713&ref=ts>

We hope to hear from you soon and see you at the upcoming monthly chapter meeting! Please do not hesitate to contact our Publicity Chair, Cindy Hyatt, at cindyh@tmmechanical.com or our Website Administrator, Devin Abellon, at Devin.Abellon@uponor.com if you have any comments or suggestions for our sites.

ASHRAE SAN DIEGO FOUNDATION Seeking Nominations



Nominations for the ASHRAE San Diego Foundation Board are being sought. All members of the San Diego Chapter in good standing are eligible nominees. The ASHRAE San Diego Foundation is a separate 501(c)3 organization responsible for the long range financial planning for the charitable goals of the chapter. Terms will begin January, 2011.

All members of the San Diego Chapter are members of the Foundation. In December you will be asked to vote electronically for the Foundation Board. Your response is critical and appreciated.

Submit your nominations to Bill Reagan at Bill@QAppliedSystems.com or fax, 858-435-2237 before November 12th.

2010 Region X CRC Recap

Our local San Diego Chapter was fortunate to participate in the Region X Chapter Regional Conference (CRC) this August and what a great experience for all who were able to attend! The Northern Nevada chapter did a fantastic job hosting our CRC, which was held August 26th thru the 28th, in Reno, NV and included technical seminars, business meetings, workshops, an awards dinner and other social events. The San Diego chapter was one of the best represented chapters with eleven members in attendance and the honor of accepting a few awards at the banquet dinner hosted on Friday evening. Congratulations go out to our past president, Mr. Walter Houle, for receiving a special citation in reward for his stellar performance for our chapter PAOE (Presidential Award of Excellence) points and also to Mr. Hugh Egan, our former Research Promotions chairman for exceeding his goal (2 years in a row, mind you!). Great job guys!

One of the other highlights from the conference was the technical session on Thursday, which included a tour of the Peppermill Hotel and Casino, one of the only hotels known of in the US to get 100% of their heating and domestic water from an on-site geothermal well. This unique design utilizes ground water approximately 4,400 feet below the surface and at temperatures exceeding 165 degrees to provide it's heating needs, making it very eco-friendly.

The business meetings conducted on Friday gave each chapter a chance to highlight their successes during the previous ASHRAE year and to learn best-practices from other chapters' presentations. The business meeting also included reports from society and regional officers, providing an opportunity for the chapter delegates and alternates to gain a feeling of connectivity to the society at large and the events going on in our region. For example, our Regional Research Promotions Chair, Tiffany Bates, was happy to inform us that our region was able to contribute over \$150k to ASHRAE's Research Promotions fund (over \$28k of those dollars were raised right here in San Diego!) The Research Promotions fund exceeded it's society-wide goal of over \$2 million during the 2009-2010 ASHRAE year; and more importantly, that those funds are currently being used to conduct over ten research projects right here in our own region, nine of which are focusing on projects here in California. Talk about getting a good return on your investment!

Again, a special thanks to those of you who were able to attend and participate at the 2010 annual CRC. I would also like to extend a great deal of appreciation to those employers who supported their employees while they took time away to attend the conference. The regional gathering provides a great opportunity for our chapter to network within our region, meet with other professionals in the industry, gain knowledge about the ASHRAE society, and create a feeling of camaraderie with our fellow volunteers. I strongly encourage any and all of our members to attend in the future and I am confident that this year's conference was a great jumping-off point to what is sure to be another successful ASHRAE year here in San Diego!

Sincerely,
Cindy Hyatt
San Diego Chapter Publicity/Welcoming Chairperson
Region X Treasurer

2010-2011 OFFICERS & CHAIRS

OFFICERS:

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rhaehn@tridenttech.com

Treasurer: Heather Schopplein, P.E.
Ph: (707) 318-4307
ashraesandiegotreasurer@gmail.com

BOARD OF GOVERNORS:

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Auditing:

Jim McKinley, P.E.

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Dennis Christie (Programs)
George Misleh (Refrigeration)
Jerry Hartford, P.E.

Finance:

Heather Schopplein, P.E.

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Terry Erickson

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Walter Houle

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Mentoring:

Bill Reagan

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Jennifer Felsburg

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ASHRAE 2011 Winter Conference



In the HVAC&R industry, economizers are used to reduce heating and cooling costs. The ASHRAE scholarship program also serves as an economizer, helping reduce the financial burdens of obtaining your engineering education. Without *you*, the future leaders of the HVAC&R industry, we at ASHRAE wouldn't be able to do what we do. So through our scholarship program, we aim to help you do what *you* do—learn. Apply today!

ASHRAE has awarded nearly 200 scholarships during the past 20 years totaling more than \$925,000. Nearly \$80,000 in scholarships is available for the 2011-12 academic year.



ASHRAE is offering two scholarships for high school seniors entering their freshman year of college.

www.ashrae.org/scholarships—Apply Today!

"ASHRAE's scholarship has helped me cover my tuition expenses and materials, giving me the opportunity to satisfactorily fulfill my undergraduate degree. Not only has the help been economical, but it also helped me develop a genuine interest in this field. With this aid, I only have to focus on being well prepared so I can become a change agent within the HVAC&R industry. For this reasons I'm extremely grateful to ASHRAE and hope they'll continue supporting future engineers."



Jacob Vazquez, ITESM (Instituto Tecnológico y de Estudios Superiores de Monterrey) (Mexico), Region VIII Scholarship



"The Reuben Trane scholarship has solidified my involvement in the HVAC industry and been instrumental in financing my education. It has opened doors for me to further integrate ASHRAE into my educational experience. As well, it has sparked the creation of the first McMaster University ASHRAE Student Branch, bringing my education even closer to the tremendous support and resources available through the ASHRAE network. I look forward to a long career in the HVAC industry."

Benjamin Oliver, McMaster University (Canada), Mechanical Engineering and management, Reuben Trane Scholarship

Application deadlines

Dec. 1, 2010-undergraduate engineering, regional and university-specific scholarships

May 1, 2011-undergraduate engineering technology scholarships and high school seniors scholarships

Other great resources to help you in engineering your future can be found at the [ASHRAE StudentZone](#)



WELCOME EVERYONE TO THE 2010-2011 ASHRAE YEAR AND WELCOME TO THE SAN DIEGO CHAPTER!

As your publicity/welcoming chair, I would like to extend a warm greeting to our membership and to those of you interested in learning more about ASHRAE and the benefits of membership. We are shaping up for a very exciting year here in San Diego and also at the international Society level. Locally, we have a full schedule with a diverse set of topics planned for our monthly meetings and a handful of fun activities planned throughout the year. On a regional level, ASHRAE will be hosting the annual winter meeting for the very first time in Las Vegas, making it that much easier (and enticing) for our local membership to attend. Likewise, Society will be hosting a YEA (Young Engineers in ASHRAE) leadership weekend in the west this spring. And, finally, at the Society level we welcome our first ever female ASHRAE president, Ms. Lynn Bellenger, P.E.

For those of you new to ASHRAE or eager to learn more about our organization, the American Society of Heating, Refrigerating and Air Conditioning Engineers was formed in 1959 by the merger of two societies, American Society of Heating and Ventilating Engineers (ASHVE), known after 1954 as American Society of Heating and Air-Conditioning Engineers (ASHAE) and the American Society of Refrigerating Engineers (ASRE). While our name dubs us the "American" Society . . . , there are over 170 chapters internationally that all serve as the grassroots of the organization. The ASHRAE headquarters are located in Atlanta, Georgia and as of 2008, after undergoing a major renovation, we proudly boast a LEED Platinum certification for our headquarters. The Society is comprised of an Atlanta based staff of a little over 100 employees and a complex hierarchy of volunteers ranging from our Society president, who represents ASHRAE on an international level, all the way down to our local chapter volunteers. The San Diego chapter is one of 14 chapters that make up Region X, of which I am proud to hold the office of Region X treasurer. At the regional level, we host a CRC (Chapter Regional Conference) annually to provide an opportunity for the officers and chairpersons of our local chapters to exchange ideas, attend workshops, propose motions to be passed on to society, and network with one another.

In fact, networking is one of the many benefits of ASHRAE membership. I can personally attest that I have received numerous employment opportunities as a direct result of the industry interaction and exposure that I have experienced through ASHRAE. Likewise, while I do not have an education background in engineering, I have gained an invaluable amount of technical knowledge through the many resources available through ASHRAE, including the relationships I have formed with our diverse membership and attendance of our monthly meetings. As members, we are also given a voice to share our knowledge and views on industry trends, such as LEED building, new standards in HVAC construction and operation, and constantly evolving technologies. Participation in technical committees and attendance at biannual meetings are just a couple of the ways we can contribute to our engineering and construction community.

If you have any questions regarding ASHRAE membership, please feel free to contact myself at cindyh@tmmechanical.com or our Membership Chairperson, Mr. Eric Glatz at eglatz@syska.com. You may also visit the Society webpage at www.ashrae.org for a wealth of information regarding becoming a member, updating member information, managing your membership, resources available to members and benefits of membership. While we are a growing organization with an international membership, the grassroots participation of members at every level is what keeps ASHRAE strong. We value our local membership immeasurably and look forward to expanding our chapter to ultimately include every HVAC professional in San Diego County, including you!

Sincerely,

Cindy Hyatt

San Diego Chapter Publicity/Welcoming Chairperson

YEA!!

Kevin Blankemeier
ECS Controls

The September YEA happy hour was at Karl Strauss in La Jolla. It was well attended event, a good time was had by all. I was even selected to tap the cask which involves using a large wooden mallet to hammer the tap into the cask. **The next YEA happy hour will be Wednesday October 20th at The Prado restaurant in Balboa Park at 5:30.** The Prado is located in the heart of Balboa park next to the reflecting pond at 1549 El Prado. If you have any questions, comments or would like to be added to the email list send me an email at kblankemeier@ecscontrols.com.

YEA Fantasy Football Standings

EAST		West	
NorCal Schopplein	3-0	Team Gates	3-0
YEA SD Kevin	2-1	Shiva Kamini	2-1
Smokey Bandits	1-2	Team Sarah	1-2
Team Parker	0-3	Team Boyd	0-3



Need a Job? Looking for a New Hire?

Make sure you check out

**www.ashraesd.org for local job and
resume postings!**



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