



Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
 May 2005 website: www.ashrae-socal.org Vol. 50, No. 9

MAY 3, 2005 MEETING INFO:

LES FRERES TAIX

1911 Sunset Blvd., Los Angeles, California

5:30 Tech Program: Smart Specifying Avoids Dumb Installations
Speaker: Bob Brennan of Weil Aquotronics

6:05 Social Hour (Fun Time!)

6:45 Dinner
 \$27 with reservation
 \$30 without reservation
 \$10 student member
 Meal choice will be salmon or chicken.

7:45 Main Program: An Alternative Approach For Cooling Water Treatment (Controlled Hydrodynamic Cavitation)
Speaker: Mr. Gene Dedick of VRTX

9:00 Meeting Ends

Reservations: Dale Au or Brenda Montmarquet (626) 961-9640, Fax (626) 961-9041 by Mon., May 3, 2005.

MAY MAIN PROGRAM: AN ALTERNATIVE APPROACH FOR COOLING WATER TREATMENT (CONTROLLED HYDRODYNAMIC CAVITATION)

Speaker: Gene Dedick

A presentation will be given on an alternative (non-chemical) approach to industrial and commercial cooling and evaporative condenser water treatment by Gene Dedick of VRTX Technologies. An introduction of Controlled Hydrodynamic Cavitation (CHDC) will be examined. This will include a discussion of how the technology prevents calcium carbonate (CaCO₃) scaling of critical cooling waterside heat exchange surfaces, facilitates corrosion control for C1010 mild steel, HD Galvanized steel, and CDA 100 copper alloys, and allows control of planktonic, (free-floating), and sessile, (slime forming), micro organisms in these same systems.

Several 3+ years old case histories will be reviewed in detail, and some independent performance data from the International Water Conference Paper IWC-03-22 (that compared chemical vs. non-chemical treatments on identical “side by side” condenser water systems) will also be discussed. The CHDC technology data suggests that CHDC offers a complete solution to scaling, corrosion, and microbiological control with no chemical usage in open recirculating cooling and condenser water systems. The data also suggests that CHDC has the ability to treat open recirculating cooling and condenser water systems that have a wide variation in makeup water chemistry and source (soft water-hard water-reused water).

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President's Message

*Don La Marr, President,
Southern California Chapter,
ASHRAE*

Good afternoon Southern California ASHRAE members.

We are approaching the end of another year at Southern California ASHRAE as our May 3rd meeting will be our last of the year. Again we will be meeting at Les Freres Taix on Sunset Boulevard. The tech session will feature Bob Brennan of Weil Aquotronics who will discuss how the "specifier" can better specify equipment or procedure to promote installation of equipment that looks and performs in a superior fashion. Our main program will feature Gene Dedick of VRTX Technologies who will be speaking on "An Alternative Approach for Cooling Water Treatment".

Upcoming key dates:

- ❖ Spring Golf Tournament on May 11 at Brookside Golf Course in Pasadena
- ❖ Spring Seminar on Saturday June 4th to be held at USC
- ❖ Installation dinner on June 17th to be held at the Long Beach Aquarium.

In our meeting on Tuesday April 5 at CTAC in Irwindale, we were treated to a tour of the "Refrigeration and Thermal Test Center" by Ramin Faramarzi for our tech session. It was a fabulous place and great work is done there to help with our on going energy crisis. At the main session, Mr. Daniel Tunnicliff, Project Manager of Southern California Edison gave a talk on SCE Energy Programs for 2005. It is amazing the number and types of programs SCE offers to its customers. We were worried about the location, Irwindale, and assumed that we would have low attendance, but we were pleasantly surprised; it was one of the best attended programs of the year.

Everyone should have cast their ballots to the board election for the upcoming 2005/2006 year. The results will be announced at our meeting on May 3rd. As everyone knows, Chad Herrick will be our President for this coming year and I will have the honor of being the Past-President. I look forward to working with Chad for the chapter.

Remember that Chad Herrick and David Kuo will be going to the Western Regional CRC from May 5 to May 7 in Honolulu, Hawaii. Please give them any subjects you would like them to discuss at the CRC. Chad will be making the final decisions on what other members of his team will also be going to CRC. Ralph Panting has finalized our chapter's report for the 2005 CRC. We thank all who gave their input. We will be represented at CRC by Chad, David Kuo, Karine LeBlanc, Russell Lieu, and Clay Lampman. Remember that Clay has been selected by our ASHRAE national and regional leadership teams to be the "Regional Vice Chairman for Student Activities for 2005 through 2008 for Region X." It is always nice to have a member of our chapter be part of the regional leadership team.

June Yang of Syska & Hennessey is the chair for the spring seminar. The two topics will be "Fan Fundamental and Sound" and "Laboratory Design". See the flyer in later pages for more details. The seminar will be held on June 4th at USC.

Joe Ablay has finalized arrangements for our spring golf tournament. It will be held on May 11 at Brookside Golf Course in Pasadena next to the Rose Bowl. Joe has begun to receive entrants at this time so please take the time to put together a foursome and sponsor a Tee sign. There is no limit on the number of Tee signs which we can have so commit to one for your organization. Joe has formed a committee of 4 people but will need more to work the event itself. Please contact Joe at "jablay@iciglobalgroup.com" if you are able to assist. Remember the golf tournament is our main fund raiser for operating costs for next year.

The ASHRAE satellite broadcast/web cast on "Mold in Our Building Environment" held on Wednesday April 13 was poorly attended, there were only six participants, so we must not have a mold problem or lawyers in Southern California.

At this time I would again like to thank all members of Southern California chapter of ASHRAE for their support over this last year. It has been a wonderful learning experience for me and a year of total enjoyment. Please plan to support Chad in his year to come. See you at Taix's on May 3rd.

May Main Program (continued)

CHDC has reduced open recirculating tower makeup water consumption by 20-30 %, open recirculating cooling tower system bleed by 60-80%, and eliminated chemical costs in many field applications. Independent data suggests the CHDC technology reduces overall energy consumption in cooling water systems by 5%-10%.

CHDC technology provides an environmentally friendly alternative to conventional chemical treatment of cooling water systems. CHDC will also give significant advantage toward LEED (Leadership in Energy and Environmental Design) Goal Achievement and Advancement in pursuit of LEED under the US Green Building Council Program.

MAY TECH PROGRAM: SMART SPECIFYING AVOIDS DUMB INSTALLATIONS

by Bob Brennan

Our session will examine how the specifier can better specify equipment or procedure to promote installation of equipment that looks and performs in a superior fashion.

Since the presenter (hey, that's me!) knows chiefly about pumping systems that's where the emphasis of the presentation will be. Attendees will receive my insights on what to do and what not to do, and probably a few "war stories" along the way. ASHRAEites will emerge with my suggestions on enhanced strategies and tactics to win the war on engineering mediocrity. Remember that it was Raymond Loewy who said "Junky stuff is consumer murder". Or, to paraphrase the du Pont Company "Better living through better design"!

Please join me for an informative (and I hope entertaining) gathering.

MOLD AND OTHER SUPERSTITIONS

Haig Demergian P.E.

On April 13, 05 the Trane Co. Los Angeles office located in City of Industry, hosted an ASHRAE Video Conference dedicated to Mold in building environment. The Video Conference was from 10 AM to 1 PM. and

was full of important information which should interest all people involved in the construction industry including engineers, architects, contractors, suppliers, etc.

As participant to this conference, I found out that there is an unexpected great number of "mold assessors", "mold remediators", "mold hygienists" and of course "mold lawyers" who are making a good living from this new discovery of mold. First, mold is with us for thousands of years and second there is no legislation to regulate this complex issue. Also many of assessors or remediators do not have the proper education and background to handle this complex and important issue affecting some buildings. However the number of lawsuits and the court awards are on an alarming rise. In this setting all of us engaged in the HVAC industry are a prime target of the lawsuits.

The date of this important and informative Video Conference was on April 13. Some people are superstitious and believe that 13 or black cats or ladders, etc. bring bad luck.

Perhaps that is the reason they did not show up at the conference. I am not superstitious and I went to Trane that day. The video Conference was well presented, informative and covered various stages of mold in the buildings. The classroom provided by Trane was comfortable (air conditioning in operation) and they offer coffee and soft drinks. Thank you Trane for supporting this type of educational events.

Regrets: very few persons participated.

I recommend this program to be repeated, with proper prior advertising (we may invite architects, contractors, engineers, supplier representatives, building inspectors, etc.)

But please schedule the presentation on any day of the month, except 13...

THE CURMUDGEON SPEAKS

by John Tamney

Where's the beef? The sad tale is that TAIX's price is so high for the filet that we can't afford it anymore with the price we are charging for dinners. Nevertheless, chicken and salmon are getting kind of old as the only choices and something needs to be done. I suppose some people might be willing to pay more (like \$8) for the filet but the logistics of trying to do a special menu

won't work. TAIX only allows us two entrée choices for a meeting and I doubt many people would agree to cough up that big a premium.

It was nice to see several members from Syksa and Hennessy at the March meeting. Keep on coming.

At the April meeting, we had a very nice dinner, prime rib or salmon. Very good, but isn't there another fish on the planet besides salmon? We had a very nice room, a good presentation and a better turnout of members. Ishtiaq Chisti also provided us with the good news that SCE will begin sponsoring our Sol-Air newsletter again. Good job Ish!

For the May meeting, back at TAIX, our Attendance Committee will be trying to come up with something a little special for the dinner. And while we are on that subject, TAIX has several menu selections in our price range and I think we should look into some variety for next year. We are thinking of including a flyer with the affordable menu options from TAIX in our dues notice for next year and give the members a chance to indicate what their preferences might be. Sure, we can't please all of the people all of the time, but we can try.

ASHRAE STRATEGIC PLAN FOR RESEARCH IN FINAL STAGES OF APPROVAL

by Mike Vaughn

After more than two years of development through website and letter solicitations for input, forums and workshops, the draft Strategic Plan for ASHRAE Research is expected to be submitted to the Board of Directors for approval at the ASHRAE Annual Meeting this June in Denver, Colorado. As with the start of this process, the Research Advisory Panel is soliciting the input of the membership on this plan one last time before submitting the final draft for approval. Please go to the "research" page of the ASHRAE website or the following link to view the latest draft of the plan: <http://www.ashrae.org/research>

The following should be kept in mind as you review this document:

1. Is the plan self-explanatory and understandable?
2. Does the plan cover the important areas of ASHRAE research?
3. What important themes or sub-themes are missing?

4. How does the draft Research Strategic Plan address the Society's needs and emerging technologies?

Please send all comments and suggestions that you may have on the plan to the ASHRAE Manager of Research and Technical Services, Mike Vaughn, at MORTS@ashrae.net Mail to: MORTS@ashrae.net before April 30, 2005. The Research Advisory Panel will consider your comments as they prepare the final draft of the plan in May.

MEMBERS' CORNER

By Ralph Panting

Please send any changes to me by fax: (562) 697-6296 or by email rpanting@acspecialties.com.

"Happy Birthday" wishes to the following members:

May Birthdays

Aaron Deutsch	Leonard Rich
Albert Valente	Manojit Sinha
Anil Patel	Mark Elkan
B Springer	Mark Mosley
Cesar Castillo	Michael Mamakos
Charles Duvall	Michael Taylor
Dale Sackett	Nathan Seward
David Fridland	Nima Negahdauree
Dennis Elliot	Norbert Bell
Dennis McClain	Nuran Sinanyan
Dominic Chau	Pamela Erb
Edgar Llamas	Patrick Geary
Efrom Fader	Paul Antieri
Fred Reed	Peter Narbonne
Gary Youngberg	Randy Richter
H Becker	Richard Pullen
Hanh Pham	Robert Roubinov
Harold Kushner	Robert Swinehart
Ingo Giani	Ryan Celaya
Ismail Gobulukoglu	Sidney Saginor
James Albrecht	Steven Nold
James Valiensi	Steven Rosol
James Weil	Thang Le
Jerry Gentry	Theodor Hanft
Jirair Khrimian	Vazgen Ohanian
Karine Leblanc	Walfrido Castelo
Kathleen Paulson	Weigang Yau
Kevin Smola	Willard Watchler
Kimberly Duncan	William Clark
Lawrence McAuley	

June Birthdays

Adrian Anhood	Leon Laskowski
Ainong Su	Leonid Makovoz
Albert Margosian	Luis Lopez
Andrew Anderson	M Escalante
Andrew Bussey	Martin Smilo
Ayad Al-Shaikh	Marvin Shafer
Brian Gutshall	Matt Volgyi
Chris Nishimura	Michael Gardner
David Kuo	Michael Hovanec
Edward McMurray	Michael Levin
Eric Slaasted	Michael Olin
Erik Ring	Narendra Amarnani
Erin McConahey	Pascual Sanchez
Gary Price	Paul Dong
Gary Yerby	Raad Bashar
Gene Kardell	Raymond Baudelot
George Rusher	Rebecca Wetzstein
Gerald Howell	Richard Loman
Geza Path	Robert Heisler
Gregory Page	Roy Lee
Ian Spizman	Sai-Lap Wong
Ingemar Esperanza	Scott Gordon
James Shwe	Scott Strong
Jay Kennicott	So-Yeng Chen
Jeanette Campbell	Stephen Mertz
Jerry Pasco	Susan Evans
Jim Gylling	Thomas Plotner
Jim Jordan	Thomas Shults
John Harnack	Tim Archer
John Holland	Timothy Kelly
John Larsen	Tom Haldeman
John Smith	Wayne Adams
Johnny Boncich	Willard Lansford
Jonathan Brown	William Blackstone
Joseph Rigonan	William Larwood
Kendall Marks	William Neal
Kevin Hagen	Zeilik Uber
Larry Walsh	

July Birthdays

Akira Hiruma	Kerri Meenan
Alejandro Munoz	Kevin Davis
Amr El-Issawi	Krishna Patel
Andranik Khechoumian	Martin Ostler
Anthony Raikhel	Matthew Freije
Arnold Bogart	Max Zollman
Arnold Kaufman	Michael Buhmiller
Bobby Fung	Michael Taylor
Brett Fooks	Orion Moore

Dale Au	Paul Mellough
Dan Thatcher	Ralph Phillips
Donald La Marr	Ramin Faramarzi
Doug Jones	Randall Higa
Du Tran	Richard Kriete
Dukwon Chang	Richard Kriwanek
Edward Gray	Robert Brennan
Erick Ziesman	Robert Lodge
Garson Shulman	Robert Lowe
Howard Wolfberg	Robert Timpson
Jack Kozakar	Ron Clouser
Jairam R Agaram	Roy Chew
James Nauert	Ruben Morales
James Pollock	Stephen Shaffer
James Thompson	Stephen White
Jason Johnson	Steve Lober
Javier Valencia	Sunil Patel
Jerry Kraim	T Hayakawa
John Ingersoll	Ted Mattock
John Nelson	Terry Lackey
Jon Roberts	Tony Blackburn
Joseph Calabretta	Vachik Armenian
Joseph Noyes	Vanda Puhlovich
Joven Dorado	Wieland Triplett
Justin Murray	William Greenlee
Kenneth Yu	



Southern California ASHRAE 2005 INSTALLATION BANQUET



Friday June 17, 2005 at 7:00 PM
100 Aquarium Way Long Beach, Ca. 90802

Come enjoy private access to the Aquarium exhibits and dinner in the Blue Cavern.

Name: _____ E-Mail: _____

Company: _____

Phone: _____

Please reserve as follows: Number of Guests X \$90 per guest: \$ _____

 Tables x \$720 per Table (8) \$ _____

Please make checks payable to Southern California ASHRAE

Mail payment with reservation form to:

Western Allied

c/o Chad Herrick

12046 E. Florence Ave.

Santa Fe Springs, CA. 90670



Southern California Chapter ASHRAE 2005 SPRINGS GOLF TOURNAMENT

WEDNESDAY

MAY 11, 2005

Brookside Golf Course

Time: Sign in at 9:30 a.m.

Shotgun start at 12:30 pm.

Banquet & Dinner to follow

Limited to 120 golfers

Fees: \$135 per player

\$500 for Foursome

\$600 for Foursome and Hole Sponsor

Dinner only: \$40 per person

Texas Scramble

Awards:

Golf Awards, Door Prizes, Raffles

Company Sponsorships and Donation



Name Company Phone

1. _____
2. _____
3. _____
4. _____

Group Contact Name: _____ Phone: _____

Corporate Hole Sponsor @\$150 \$ _____

Additional Company Donation \$ _____

Totals \$ _____

Golf Chairperson: Joe Ablay Phone: (909) 843-6317 / Fax: (909) 498-0343

Please make checks payable to: Southern California ASHRAE
Send them to: Joe C. Ablay, PE
c/o Integrated Consultants, Inc.
20955 Pathfinder Road, Suite 100, Diamond Bar, CA 91765

HELP WANTED

Anybody wishing to place an ad in this column for an engineering or other position, please submit your request to:

JOEY JIRON,
William J. Yang & Associates:
847 N. Hollywood Way, Suite 100,
Burbank, CA. 91505
818-841-8888 Tel
818-841-7900 Fax
e-mail: joey.jiron@wjya.net

Please make a donation of \$50 per ad made payable to: ASHRAE Southern California Chapter.

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LOS ANGELES HEADQUARTERS (818) 385-3600
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SUITE 101 e-mail: dfda@aol.com
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Charlie Ioimo
Senior Project Manager
cioimo@eberhardco.com

15228 Raymer Street
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SOUTHERN CALIFORNIA CHAPTER PROGRAM SCHEDULE

June 2005

Installation Dinner/Dance

WESTERN SECTION PROGRAMS

May 10, 2005

Location: Santa Maria-Radisson Hotel
Topic: Primary Secondary/Multi-Pump Piping Design
Speaker: Paul Goudsmit, Paco Pumps

June 14, 2005

Location: Santa Barbara
Topic: To be determined

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Editor: Joey Jiron, e-mail: joey.jiron@wjya.net
Editor's Office : William J. Yang & Associates:
847 N. Hollywood Way, Suite 100,
Burbank, CA. 91505
818-841-8888 Tel / 818-841-7900 Fax
www.ashrae-socal.org



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

Mail Change of Address to:

Southern California Chapter of the American Society of Heating,
Refrigerating and Air Conditioning Engineers, Inc.

JODY RUSLING, Executive Secretary
1942 Endicott Road, San Marino, California 91108
Fax: (626) 285-9568