



ASHRAE

Hawaii Chapter

HE EA MAKAMAE

A monthly publication by the American Society of Heating Refrigerating and Air Conditioning Engineers, Inc.

SY 2008-09, Issue #5 HONOLULU, OAHU, HAWAII December 2008

JANUARY DINNER MEETING

MEMBERSHIP PROMOTION NIGHT

Thursday, January 8, 2009

Tech Session: DO & DON'T of Specifying Life & Safety Devices

Main Program: Sustainable Tech – Plastic-to-Oil Conversion

5:30-6:00 PM	Registration
6:00-6:45 PM	“DO & DON’T” Technical Session
6:30-7:30 PM	Attitude Adjustment (Open bar – 2 drink tickets)
7:00-7:30 PM	Dinner & Committee Reports
7:30-8:30 PM	Main Program

REGISTRATION: RSVP Kevin Saito kevin.saito@trane.com and remit payment to ASHRAE Hawaii Chapter, P.O. Box 3916, Honolulu HI 96812-3916 by January 5, 2008. Otherwise, for expedient registration, remit payment via “PayPal” by clicking <http://hawaii.ashraechapters.org>.

RSVP (Pre-registration): All pre-registrants (show or no show) will be billed accordingly.

ASHRAE Members: \$40 per person

Non-Member of the above organizations: \$45 per person

No RSVP (Registration on-site):

Regardless of Members or Non-Members: \$50 per person

MAIN PROGRAM:

*Sustainable Technology –
Plastic-to-Oil Conversion*

This month’s main program will feature Managing Partner of TSphere Energy **Terri Sasaki**.

Ms. Sasaki will present to us a new and “out-of-the-box” sustainable technology on plastic-to-oil conversion.

The ever increasing plastic waste and volatile oil cost are affecting the stability of our lives and we need immediate and REALISTIC solution. Just Oahu alone, 140,000 tons of waste plastic was generated in 2006, 60% of which is being dumped in the landfill.

Durable and light weight, plastic has become an essential part of our lives – from furniture and automobiles to containers and packaging materials. Banning plastic is currently impossible without long term solution to replace each and every aspect of our lives. Instead, we suggest converting waste plastics back to its original form - OIL!

TSphere Energy is introducing a technology called Plastic-Fuel Converter (PFC) that can turn

DIRECTIONS TO THE WILLOWS

901 Hausten Street, Honolulu (Phone: 952-9200)

FROM DIAMOND HEAD (Westbound): Take H-1 and exit at Kapiolani Blvd cut-off. Go past University Avenue & turn RIGHT at Hausten Street.

FROM EWA (Eastbound): Take H-1 and exit at Isenberg Street cutoff. Turn LEFT on King Street and take the 2nd RIGHT into Hausten Street.

plastics to fuel without any emission. The truly innovative and eco-friendly PFC is a patented technology that can convert most of the resin code and turn over 90% of the materials to Heavy/Light oil, Diesel, Gasoline, and Kerosene, depending on the process and the temperature set. It uses only 7% of the converted oil, so that the 93% of the oil generated can be used as an alternative energy source.

The application of PFC is extensive. For example, the processors can supplement the city and state energy by turning plastic waste into fuel for city transportation, back-up generators and boilers. Almost 100,000 tons of plastic waste transported to the landfill every year can be drastically reduced. While we understand that the road to the more efficient energy use and the creation of alternative energy is still a very long and winding one, we hope PFC can offer one of the possible solutions. We appreciate an opportunity to talk about PFC in the public forum since the public awareness of the importance of recycling is critical to a successful adaptation of this new technology to create revived energy.

Terri Sasaki was born in Tokyo, Japan and moved to the U.S. in 1982. After attending UCLA, majoring Economics and minor in Business, she joined a consulting firm for 8 years and was involved in the lobby activities in Washington DC. In 1995, she joined Square USA to produce state of the art game software and then as the company began to move to Hawaii in 2000, she produced a few CG projects with Sprite moved to Los Angeles. She “new and out of the box” technologies that can destroy the mother’s nature survive. She is engaged with a Hawaii based company, TSphere Energy as managing partner. This company imports from Japan a technology that can convert waste plastics to oil, where renewable and recycle technologies far surpass that of many others.



moved to Hawaii in 2000, produce CG movie called she produced a few CG Entertainment before it was always interested in ideas as well as reinforce rather than in order for human race to

Laboratories classified and listed products. He was the past chairman and current member of the AMCA Code Action Review Committee.

At this technical session, he will focus on the HVAC fire and smoke control requirements as per building codes. He will discuss the Ruskin’s products.... how these dampers are designed and tested in order to prevent flame spread and smoke movement during a fire. The products to be discussed are as follows: Combination Fire & Smoke Dampers, Corridor Dampers, Smoke Dampers, Fire Dampers, and Ceiling Radiation Dampers.

Mr. Schatz will highlight what things to consider, such as:

- How to install dampers
- Dynamic/ static requirements
- Ratings and performance
- Two positions or modulating
- Shaft installations – Clearance, an ongoing problem
- Smoke detection – factory or field installed
- Operation validation systems – How to regularly verify operation

DO & DON'T TECHNICAL SESSION:

The DO & DON'T of Specifying Life & Safety Devices

The 45-min technical session will focus on mentoring our members the “DO & DON'T” in specifying the fire/life safety devices for bldg HVAC systems.

Chris Schartz, Sales & Applications has been employed in the HVAC Ruskin Manufacturing for more than is responsible for the application and of dampers, louvers, air measuring as well as noise control devices. Mr. also responsible for development of fire, smoke and control damper lines, including testing, manufacturing and field application of Underwriters



Manager industry at 35 years. He promotion equipment Schartz is Ruskin’s product

“DO & DON'T Technical Session will be held monthly. To the other product manufacturers or service companies, who are interested to conduct this session, make your reservation with Kevin Saito. Cut \$250 check and make it payable to ASHRAE Hawaii Chapter. Send it to P.O. Box 3916, Honolulu HI 96812-3916.

Read the write-up from ASHRAE Insights’ editor, Dec. 2008 issue. Click on this link for information <http://www.ashrae.org/publications/detail/16985>.

President's Message – Joseph K. Ting, P.E.

Last month's meeting was remarkably successful. Approximately 110 people including keikis breezed through the stormy rainfall to attend the Christmas party at The Willows. Some of them came to pay respect for the past presidents, who have served this great chapter unselfishly. While waiting for Santa Claus & his young helper to arrive from the North Pole, the balloon guys kept our members' children entertained. Concurrently, the members and their spouses or significant others were also being entertained by the panel of four speakers.

Moderated by our past president Dave Waller, the panelists consisting of Paul Fukunaga, Rick Moss, Gene Albano & Ross Okuda held the crossfire discussions pertaining to the "InSynchronization of MEP Engineering in Design & Construction". In case you missed this great opportunity, listed below are the highlights of the discussions on the said subject matter.

Highlights of the discussions on the subject of "InSynchronization of MEP Engineering in Desing & Construction":

- 1) Impact of HVAC Load on total electrical load
- 2) Coordination Issues associated with routing duct, pipes, conduit, and cable trays
- 3) Specification of low voltage power for HVAC controls and instrumentation
 - a. Mechanical engineer determines control and instrumentation requirements
 - b. Electrical engineer provides source power for MCC (Motor Controls Center) and controls
 - c. Mechanical engineer is responsible for field-mounted starters and sequencing of operations
- 4) Other related ideas brought up at this forum – interactions between panelists & attendees:
 - a. What are considered "industry best practices" to synchronize these MEP engineering functions
 - b. Techniques to ensure changes in specifications are communicated to all engineering disciplines as well as architect (in design) & general contractor (in construction)
 - c. Lessons learned – Provide "DO & DON'T" of synchronizing MEP engineering in design & construction. This should benefit not just our HVAC industry but also the society by & large when we build "High Performance Building"



Top photo depicts our chapter PP John Gesser thanking the moderator of

the crossfire effectively in their why it is coordinate Electrical & engineering construction M-E-P



discussions, PP Dave Waller, P.E. for leading the panelists to use their time



delivering thoughts of essential to Mechanical, Plumbing in design and of building systems.

The next

our chapter PP Bob Hann thanking Paul Fukunaga, P.E., for taking the initiative in the crossfire discussions at this forum. The other speakers did a wonderful job in contributing to the lively discussions that provided this euphoric event, which most attendees will never forget. Our chapter PP Cedric Chong, P.E. thanked Rick Moss, P.E.; PP Rolf Klein thanked Gene Albano, P.E. and PP Samuel Gillie, P.E. thanked Ross Okuda, P.E. for their job well done.

Our Region X DRC (Director & Regional Chairman) Jack Zarour, P.E. sent his regrets that he was not able to participate at this event due to his hectic schedule in completing the commissioning of Genentech's project in Singapore. Nonetheless, our RVC (Regional Vice Chair) Research Promotion Tiffany Bates from Phoenix, Arizona was able to join us



and participate at the unveiling of Hawaii Chapter "Wall of Fame" as depicted by the above photograph. Daryl Jean Nakata, the widow of deceased PP Lester Nakata, unveiled the Chapter memorial, which was held up by PP Bob Hann. Also shown on this photograph are PP Dave Waller, PP John Gesser, PP Sam Gillie & PP Michael Chong. For more information of the unveiling ceremony, refer to the article on "Past Presidents Night", Page 8 of 11.

This event was exceptionally jovial albeit the wet evening. Each of the 110 attendees was able to bring home at least a gift certificate and/or a surprise Christmas gift provided by the corporate sponsors, who generously contributed a sum total of approximately \$3000 worth of gift certificates et al.

Corporate Sponsors "Du Jour" for 12/11/08 Christmas Party

ACS Supply (c/o Kevin Ishigawa)
 ADMOR HVAC (c/o Drew Santos)
 Air Balance Hawaii (c/o Carey Tomasa)
 Acutron (c/o Myron Nakata)
 Carrier Hawaii (c/o John Arizumi)
 Century 21 (c/o Monique Ting)
 ClimaCool Corporation (c/o Tiffany Bates)
 Critchfield Pacific Inc. (c/o Ron Swenson)
 Dorvin D. Leis (c/o Stephen Leis)



Oahu Air-Conditioning Service, Inc. (c/o Norman Tada)
 Standard Sheet Metal (c/o Stanley Salcedo)
 The Chong Group (c/o Cedric D.O. Chong)
 The Gas Company (c/o Sharon Shigemoto)
 The Gellert Company (c/o Hank Gellert)
 Trane Pacific (c/o Rick Schnarr)
 Tricord Organizers LLC (c/o Daryl Jean Nakata)



DMG Corporation (c/o Scott La Beau)
 Hawaii Energy Systems (c/o Rolf Klein)
 Heide & Cook (c/o Earle Matsuda)
 Island Controls (c/o Ken Richardson)
 LN Sales (c/o Lyle Nakamura)
 MAPCO (c/o Curtis Kenmotsu)
 Mechanical Enterprises Inc. (c/o Ross Tanaka)
 Mitsubishi Electric & Electronics USA, Inc. (c/o Rory Itano)

Norman S. Wright (c/o Calad)

Marites



Each of the corporate sponsors was requested to draw the winning tickets and hand their gift certificates to the lucky winners. Right photograph depicts PP Marites Calad assisting Daryl Jean Nakata (Tricord Organizer) and her sister-in-law Lynn Nakata (Oahu Sales) to draw the tickets for the lucky winners. Left photograph shows Marites helping Dorvin D. Leis staff David Parker & Harendra Panalal to award the gift certificates to the lucky winners.



A Christmas party without Santa Claus and keikis would be meaningless. The Chapter has been blessed with PP Eric Nakagawa, the official Chapter's Santa for many years. This year was a special treat for the Chapter to have his 9 years old son, Evan to assist him at this X'mas event for the first time. Due to the rainstorm in Honolulu (perhaps, snowstorm



on the way from the North Pole), Santa & his helper were a bit late. Nonetheless, the children and their parents waited patiently, while the balloon guys continued to entertain them until Santa arrived. We thanked our members for bringing their children to help celebrate this yuletide festivity. We also thanked Monique Ting to provide the gifts for the keikis.



Shown with Santa Claus on those pictures (clockwise) are the children of Richard Lorenzotti, Min Zhong, Archie Makatini, Charles Young, Albert Hahn, Eric Nakagawa and Mark Yamamoto.

Our December monthly meeting was also designated as Research Promotion Night. Towards that end, Region X RVC Research Promotion Tiffany Bates was invited to give a short talk to the chapter membership in recognizing the RP donors in SY 2007-08. During an RP Night, the Chapter usually holds a 50/50 raffle.



Prior to the closing of this meeting, Clifford Yuen was the lucky winner to garner the \$270 pot of the 50/50 raffle. He donated the entire amount back to the Chapter and requested the Chapter to use part of the proceeds to renew his Society & Chapter membership dues (\$185). We thanked him for his generosity and will credit the remaining amount as his personal contribution to ASHRAE Research.

Speaking of chapter membership, January 8th has been designated as Membership Promotion Night. We do hope that some of our past presidents as well as past members will attend this meeting. We encourage you to also renew your Society & Chapter membership. We look forward to see you back and participate actively to rejuvenate the HVAC&R community once again. There won't be a monthly meeting in February 2009, nevertheless, there will be a Technical Seminar & Product Show on 2/27/09 (Friday). Mark this date on your calendar for you to network with everyone in our industry.

CHAPTER PROGRAMS – Kevin Saito, P.E.

We round the corner to the close of another year and look ahead to the exciting finish of the Society Year 2008-09. This year we witnessed many interesting and challenging events:

- **UH at the Sugar Bowl**
- **Rise of oil to absurd amounts**
- **Collapse of the housing, financial, and automotive industries**
- **Slowing of the tourism industry**
- **Election of one of Hawaii's own to the highest office in the land!**

Some will look at the glass half full and some as the glass half empty for the year 2008. I'm of the opinion that we have at least half a glass to drink and that we have the means to refill our glasses still. We need to take control of our own destiny and not wait for someone else to write it for us. It has been an honor to serve as your Program Chair for the Hawaii Chapter and assist in bringing in engaging speakers and topics that will help you not only survive but to thrive in 2009 and the future years. January's speaker and topic will certainly be something different and intriguing, so I encourage all of you to sign up today to attend. I don't think anyone will walk out that room the same as they came in. As you raise a toast to the year that was and the year that is to come, remember our fallen comrades whether they were from our military, business arena, our neighborhoods, or from our personal lives. We love them dearly and their memories are carried on in our hearts into the future. Happy New Year all!

MEMBERSHIP PROMOTION – Min Zhong, P.E.

We hope that everybody had a joyous Christmas!

Time has gone by swiftly. With a blink of eyes, the first half of the Society Year was over. We have had a prosperous six months. We witnessed a record high in attendance at our last monthly meeting in December 2008. Not only did we reduce the number of delinquent members from 24 to 10 within the last few months, we did also increase our chapter membership to a new height of fourteen (14) additional members.

On behalf of the Membership Promotion Committee, we welcome our new members to our Chapter activities:

Jason Huffman – Total Air Balance Co. Inc. (a.k.a. TABCO)	Gary Gribbon – Critchfield Pacific, Inc.
Kyle Takei Yick-Jun Cheng	Dominador Agluba
Adam Negele – Critchfield Pacific, Inc.	Kevin Chock – Chelsea Group
Matt Ortscheid – Critchfield Pacific, Inc.	Brian Coday – Critchfield Pacific, Inc.
Scott La Beau – DMG Corporation	William Tanruther – Trane Pacific
Dyrk Makoto Teramae – InSynergy Engineering Inc.	Lori Ann Chiemi Arakawa – USACE
Sheldon Hiroshi Fukamizu – Heide & Cook Inc.	Clayton T. Shobu

To the associate or affiliate members, if you are eligible to upgrade your membership, please do so. Should you need assistance, feel free to contact me. To the entire membership, the Hawaii Chapter would like to thank you for your continuing supports in renewing your Society & chapter membership. We hope to see you more in the New Year!

STUDENT ACTIVITIES – Paul Fukunaga, P.E.

ASHRAE Hawaii Chapter will participate in the Moanalua High School College and Career Fair on January 30, 2009 as the representative for the mechanical engineering profession. Eric Nakagawa has participated in this event as the Chapter representative for many years. This year, the Chapter will be represented by Paul Fukunaga from the Student Activities Committee.

The Student Branch at University of Hawaii at Manoa will send three student representatives with their Student Advisor, Professor Joseph Ting to attend the ASHRAE Winter Meeting in Chicago. The Board of Governors had previously voted to sponsor some of the expenses to be incurred by UHM Student Branch delegation when attending the upcoming Winter Meeting. For your information, the UHM Student Branch's website, <http://www2.hawaii.edu/~ashrae>, has been updated and lists the current student members as well as some resumes of the seniors.

PRODUCT SHOW – Ken Richardson

SHOW TIME ... *It's show time* for our Technical Seminar & Trade Show – February 27, 2009 at the East West Center, University of Hawaii Manoa.

For you Vendors, this is a "Once-In-Two-Years" opportunity to show-off. The Annual ASHRAE Hawaii Trade Show and Seminar provides us vendors a way to Show-Off what's new and what we have done in 2008.

NETWORKING ... This may be the best reason to attend in order to catch-up with what you have missed for the past years. For a small community like ours (HVAC in Hawaii is a small community, especially since the "H" is a rare commodity), we do not have many opportunities to network with our customers, friends, competitors and long time acquaintances. Everyone gains, not just the vendors but also ... Design Engineers, Military Base Engineering & Construction, Energy Engineers – private, military base, HECO, Building Owners, Building Managers, and Building Engineers all gain from this experience.

SO *For you as Vendors*, sign-up now for this trade show, you can't afford to miss out. Fill out the registration form available at the website. Click on <http://hawaii.ashraechapters.org/productshow.htm>, then, click on "Registration Form". Select the table(s) for your 1st & 2nd choice (click on "Venue Layout"). Make your payment either on the website or send your money to our Chapter mailbox (P.O. Box 3916 Honolulu HI 96812). Call or email me to finalize the selection of the table of your choice (Ken Richardson – Cell 478-8803, Email ken@islandcontrols.com). Rick Schnarr and myself will be calling in January to remind you of this opportunity.

SO *For you as Non-Vendors*, plan on spending the day at the Trade Show and Technical Seminar to catch-up with everyone in our small community, the world is changing and Hawaii is changing, too. If we were in Chicago, I would state "Brave the weather and come out", but we are in Hawaii, I think even a little rain at 80F should not keep you away. It's up to you to be part of the change to enhance your business. Otherwise, the change could outdate you without you noticing it, as the paradigm has already shifted in our ever-changing Hawaii.

Vendors already signed up (30 tables still available):

Belimo Americas

Mitsubishi Electric & Electronics USA, Inc.

Norman S. Wright

DMG Corporation

Island Controls Inc.

Trane Pacific

TECHNICAL SEMINAR – Barry Jim On, P.E.

The Technical Seminar will be held concurrently with the Product Show on 2/27/09. The theme of our seminar for this year is "Maintain to Sustain". The emphasis will be on maintenance issues that affect systems performance and design considerations for maintainable systems. The title of this seminar is "Owning & Maintaining from Grassroots Up".

Two Cx/RCx speakers (Bryan Welsh, P.E. & Peter Keithly) will speak on retro-commissioning for better buildings; and commissioning as it relates to better operation & maintenance. Ron Porter (International Environment Corporation) will speak on "Fan Coil Units – Maintenance & Applications". Michael Thompson, P.E. (The Trane Company) will present the "Best Practices for Sustaining High Performance in Chiller Plants". Dean Borges, P.E., a retired engineer from University of Nevada at Reno will share with us his perspective of "Owning & Maintaining State-Owned Facilities". Frederic Berg (Honolulu Seawater A/C LLC) will present "Honolulu's Seawater Cools Downtown". John White (ABM Industries) will speak on "Shaving Kill-a-Watts and Maintaining Them".

This "dual-track" technical seminar will be held in the Asia Room and in the Pacific Room of East West Center, located in University of Hawaii at Manoa. Each room can accommodate 60 attendees only. Mark on your calendar to register ASAP, as seat is limited. Click on <http://hawaii.ashraechapters.org/productshow.htm>, then, click on "Registration Form".

HISTORIAN – Harendra Panalal, P.E.

CD of the Chapter historical records has been distributed to many past presidents. If anyone needed a copy of this CD, please contact Harendra at henryP@leisinc.com. Currently, the following past presidents (Dave Waller, Ken Richardson, Sam Gillie and Marites Calad) have emailed their "Historical Template" in MS Word format, which are now included in the said CD. To date, we are still searching for the historical records from Society Year 1978-79 to 1986-87. Other than the deceased past presidents, Giovanni Chung (SY 1978-79), Robert Seelman (SY 1981-82) and George Hamilton (SY 1982-83), the following past presidents from thereafter, who served during this period, have been identified as listed:

Boyd Chee (SY 1979-80)

John Arizumi (SY 1984-85)

Robert Hann (SY 1980-81)

Cedric Chong (SY 1985-86)

Franklin Lum (SY 1983-84)

Richard Rauls (SY 1986-87)

Please share with us the piece of the Chapter history during your year of service to ASHRAE Hawaii Chapter. In closing, we would request all past presidents to take about an hour or two from their busy schedules to complete the form, which was sent earlier and email it back to me.

PAST PRESIDENTS NIGHT – Speech from Joseph Ting, P.E.

ALOHA! Would you believe that I always seek the help of the witches from Salem, Massachusetts? You will notice that the rain has stopped at around 11 AM and the sky has cleared just in time for our festivities.

It's indeed our 40th Anniversary as a chapter! As the Society does officially celebrate a chapter's 25th, 50th, 75th & 100th Anniversary, we will simply have our celebration with all past presidents, who are present tonight. Our DRC Jack Zarour couldn't make it from Singapore, but, we have our RVC Research Promotion Tiffany Bates with us this evening.

About a week ago, I attended the blessing ceremony of the Honolulu International Airport, Diamond Head 4000 Ton chilled water plant, designed by InSynergy Engineering Inc. and constructed by R.M. Towell Corp., Kiewit Building Group, Heide & Cook et al.

Well, Kahu Kordell Kekoa, the Hawaiian High Priest said it well, "Equipment brought people together." Tonight, what brings us together as an Ohana (family)? Perhaps, it is the holiday spirit, the great topic with the eloquent/articulate speakers, or simply, the re-acquaintance among the chapter leaders of yesteryears with the chapter membership. Some of them might like to come back as members. Our MP Committee Chair, Min Zhong should be able to take care of them.

ASHRAE Hawaii Chapter has been standing on the broad shoulders of our Past Presidents. Without their leadership, we would have not had such a strong chapter. I am proud to report to you that it's a 100% attendance from the chapter leadership of this century (Rolf Klein to Sam Gillie). We have about 50% attendance from the chapter leadership of last century including the 9 deceased past presidents (it's not too bad!). Thanks for taking the time off from your hectic schedule to participate with us tonight. To the deceased past presidents, they will always be attending the chapter monthly meetings with the members starting at this meeting. I will call upon Daryl Jean Nakata together with 4 past presidents from the last century to come forward to unveil the dedication. Dedication to our deceased past presidents reads as follows:

"Wall of Fame: Established 2008-2009. Hawaii Chapter members dedicated to our deceased past presidents, who unselfishly contributed their time and effort for the advancement of arts & sciences associated with HVAC&R technology to provide us a much more comfortable world to live."

Our chapter is dynamic due to "change". Please allow me to quote from our country's President-elect Barack Obama. He said, "Change will not come if we wait for some other person or some other time. We are the ones we've been waiting for. We are the change that we seek". We are gathered here to validate the changes each one of



you has brought about: New website complete with convenient "PayPal" button for all upcoming events (Technical Seminar & Product Show, Golf Tournament & Monthly Meetings), new newsletter with BOG meeting minutes to keep the chapter transparent, new DO & DON'T Technical Session to provide the forum for everyone to ask questions & learn from the experts, new chapter program format which includes the "attitude adjustment" period, which starts from the beginning of the meeting and lasts until the host leaves the premise.

Immediately after the unveiling of the Chapter memorial, the past presidents at this Past Presidents Night assembled to have a group picture taken. Shown on this photograph are from left to right: 1st Row - PP Dave Waller, PP Bob Hann, DJ Nakata, widow of PP Lester Nakata, PP John Gesser & PP Sam Gillie; 2nd Row - PP Tom Moody, PP Ross Tanaka, PP Victor Russell, PP Cedric Chong, Chapter President Joseph Ting, Region X RVC RP Tiffany Bates, PP Rolf Klein, PP Michael Chong, PP Marites Calad (not in picture: PP Ken Richardson & PP Eric Nakagawa).

BOARD OF GOVERNORS' MEETING MINUTES – 11/20/08

1. Meeting called to order by Joseph Ting at 11:45 AM.
2. Attendees - Joseph Ting, Albert Hahn, Harendra Panalal, Patrick Yen, Ken Richardson, Mofazzal Mir, Dicson Aggabao, and Dave Munro (sitting-in for Marites Calad).
3. The 10/21/08 meeting minutes was moved to be accepted and unanimously approved.
4. A motion to transfer the remaining funds in Merrill Lynch account to a Bank of Hawaii CD account was approved.
5. Articles for the Newsletter discussed and emphasized to be submitted soon.
6. Discussed the idea of chapter members having the ability to a “season” purchase of ASHRAE Membership meetings. This will allow members to pre-purchase all the dinner meetings to boost attendance. Purchasing the season package will give the members 1 free meal to be used anytime during the year. Dicson Aggabao will work with Gene Albano to put a pay pal button on the website.
7. Student Activities Committee: In his submitted report, Paul Fukunaga indicated that the student branch tour at UH JABSOM took place on 11/19/08; and, the tour at UHM Holmes Hall chiller plant occurred on 11/6/08. Both tours were successful. There were more than 20 people in attendance for JABSOM that included a mix of students as well as working professionals. About 10 people attended the UHM Holmes Hall. Future tours were also discussed.
8. The Christmas dinner meeting was discussed. It will be held at the Willows. The main program will come prior to the dinner. Albert Hahn and Joseph Ting will be working out the details this month.
9. CTTC (Chapter Technology Transfer Committee): Starting at the beginning of next year, Albert will be calling to get energy awards. He’s looking for innovative projects. The local winner will be submitted to Region X for region-wide competition, and the winner among the chapters in Region X will qualify to enter into Society competition worldwide.
10. Programs for year 2009 discussed. So far only January is currently scheduled with Barry Jim On speaking on the topic of ASHRAE 90.1. Ideas for possible futures topics were discussed.
11. Wall of Fame: Mofazzal will have the wall of fame ready within a week. The wall of fame is a tribute to all the deceased past presidents of the local chapter. It will be displayed at every membership meeting.
12. Past president interviews: Harendra Panalal will interview the past local presidents and complete the chapter history the best he can. So far only past president Dave Waller of HECO has come thru. Switching to a different assignment pertaining to reference books, which will be available for chapter members, Harendra is close to finishing up the deal with UHM Hamilton Library to house a library of selected ASHRAE Standards, Guidelines and CD from funds that Ken Richardson graciously donated. These books will benefit our members, students as well as the general public.
13. Research Promotion: Speaking on behalf of Marites Calad, Dave Munro reminded all chapter officers to contribute at least \$100 in order to obtain the Full Circle Award. So far, Albert Hahn and Dicson Aggabao have already contributed. The deadline is December 15th. Our Chapter goal is \$15,000.
14. Product Show: Ken Richardson reported that 10 tables have already been purchased. There are a total of 40 tables at the venue with 30 remaining. There is no limit to how many tables a company can purchase at any one time. The proceeds will be forwarded towards the Lester Nakata Memorial Fund.
15. Golf Tournament was discussed. It is doing well, and all the information can be found on the website.
16. “Go Green, Bike to Go” was discussed. On 11/5/08 Alayna Shima & Joseph Ting attended UHM Sustainable Saunders Workshop and shared with the ‘Bike Subcommittee’ what Hawaii Chapter can do to financially assist them. UHM campus would be a good test site for the pilot project, although some concerns of non-existent bike lanes were brought up.
17. Meeting adjourned at 1:00 PM.

BOARD OF GOVERNORS' MEETING MINUTES – 12/18/08

1. Meeting called to order by Joseph Ting at 11:45 AM.
2. Attendees: Dicson Aggabao, Paul Fukunaga, Sam Gillie, Albert Hahn, Harendra Panalal, Ken Richardson, Alayna Shima and Joseph Ting
3. Treasurer's Report: The remaining funds in the Merrill Lynch account will be transferred.
4. Student Activities Committee: Paul Fukunaga discussed the upcoming activities. On behalf of the Hawaii Chapter, Paul will participate the career day in January at Moanalua High School. Three UHM student members will be attending the 2009 ASHRAE Winter Conference in Chicago together with student advisor, Joseph Ting.
5. Newsletter: Articles for the Newsletter from the committee chairs should be submitted.
6. Speaker Evaluation Forms: The issue of providing hard copies for attendees to evaluate the speaker(s) at the monthly meetings was discussed. The merits of providing hard copies at each table versus sending evaluations electronically (either as a PDF or Word document) were debated. At first the idea of printing a generic form that could be reused at future meetings was agreed upon. Upon further discussion, it was decided that the form would be available on the ASHRAE Hawaii website as either a fill-in PDF form or a Word document. The link to this form will also be e-mailed to all meeting attendees.
7. Chapter Membership / Meeting Attendance: The idea of chapter members having the ability to purchase a year's worth of ASHRAE Membership meetings was discussed again. The clarification was made that members or their corresponding companies would purchase an entire year's worth of meetings as a package as opposed to singly purchasing tickets or purchasing them in two or three month increments. This will be promoted as a way to support the ASHRAE Hawaii Chapter over the course of the year and have the added benefit of steady monthly attendance at the meetings. The "season" purchase of tickets will be made via PayPal. Dicson Aggabao will look into setting up this option on PayPal.
8. January 2009 Main Program / Technical Session: The speaker for the January 2009 meeting will be Barry Jim On. He will discuss "Compliance with ASHRAE 90.1 and LEED". The technical session presenter will be from Ruskin. He will discuss the "DO & DON'T of specifying life & fire safety devices". Attendance is encouraged particularly since there appears to be a need for clarification regarding specification of fire & smoke dampers in particular.
9. CTTC (Chapter Technology Transfer Committee): Albert Hahn is soliciting projects for energy awards. Projects do not have to win an award to obtain PAOE points. All members are encouraged to review previous projects for submittal to the local and Region X competitions.
10. Wall of Fame: The Wall of Fame was unveiled at the December 2009 meeting.
11. Past President Write-ups (Historian): Harendra Panalal stated that the following past presidents: Dave Waller, Ken Richardson, Sam Gillie and Marites Calad have completed their write-ups. There are also no records (newsletter, etc) from 1978 to 1987. A request for any records from this time period was made.
12. Honors and Awards: Sam Gillie reported that work will begin next month in January regarding the selection of candidate for ASHRAE Fellows.
13. Research Promotion: The goal for Lester Nakata Memorial Foundation is \$60,000. To date, we have collected about \$34,000. Assuming that all tables (booths) at the Product Show will be sold out, approximately \$24,000 will be contributed towards the Foundation. This has been part of the RP goal for this year.
14. Technical Seminar and Product Show: Ken Richardson reported that starting next month in January, he will be actively recruiting companies to purchase tables for the Product Show. Joseph Ting announced that he will be asking Dr. Tom of Automated Logic to be a presenter at the Technical Seminar. The cost to attend the seminar and show is \$125.
15. UHM Bicycle Planning Committee: Alayna Shima reported that the first meeting of the UHM Bicycle Planning Committee was held on November 17, 2008. There is interest in a bike sharing program but the members feel that a network of bike lanes and paths should be established first.
16. UHM Hamilton Library Donation: Harendra Panal reported that full set of ASHRAE Standards including the cost of shipping would be approximately \$1700. Ken Richardson has donated \$1000 towards the purchase of books, standards or other technical materials which would be beneficial to a wide range of people including consultants, contractors, suppliers and students. Hamilton Library has agreed to house these materials in their reference section.

It was agreed that having HVAC reference materials in a publicly accessible place would benefit all parties. However, a full set of ASHRAE standards may not be the most beneficial reference for everyone. Most consulting firms purchase their own standards relevant to their line of work and also pay for the subsequent yearly upgrades. Contractors, suppliers and students generally do not use these standards or use them on a limited basis. Also, since parking at UH during the day is very limited, people would most likely have to use this resource in the evening or on the weekend.

Since a \$1000 donation has been secured, Harendra may either purchase a smaller package, including shipping, that falls within that price range or secure other donations for the balance. Chapter money will not be used towards this purchase.
17. Meeting adjourned at 1:00 PM.

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