



Region XIII Newsletter

September 2003

Regional Chair's Roundup Raymond YW Wong, P. Eng DRC Region XIII

Looking back at the year past, it seemed that everything had come and gone in a flash. It can be said that it is indeed eventful for us. At Society, the plan to reorganize its structure to streamline its functions was debated in March and passed by the Board in June. We are now in the process to restructure the organization in time it to take effect from the 2004 Society year. At the regional level, we were visited upon by the SARS epidemic from early March 2003 to May. This put a stop to many of our activities and even threatened our plans for the RPM. Under such trying circumstances we tried out for the first time a RPM by teleconference on 31 May and made limited success with our planning. But the sentiment expressed among the participants was that we succeeded this time because of the rapport built up among the members over the past. I hope that we do not need to resort to such tele-meetings in the future.

Our region has done well again. This year we are proud to welcome three brand new Fellow grade members. They are **Tawee VETCHAPHUTI**, a Board of Governors Member in the Thailand Chapter, **CHEE Yan Pong**, a past president of the Singapore Chapter and General chair for the 2004 CRC, and

CHEN Thiam Leong, an active member from the Malaysia Chapter.

Vincent TSE, our first DRC received his Distinguished Service Award at the Kansas City Annual Meeting, and has been appointed to the Finance Committee.

Finally, **HING Fook Yong**, our former Region XIII Nominating Member, **Adrian TAN**, and **Bernard LOW**, past presidents and members of the Malaysia Chapter Board of Governors will be receiving their Regional Award of Merit in this year's CRC in Bangkok. Congratulations to all these members for their achievement.

New Faces

We have a new RVC for Membership Promotion. He is **Dr Robert Hu** from Taiwan Chapter. He takes over the portfolio from **Bill CHEN** who has completed his three year term of office.



Robert is currently Director and Senior Researcher in the Thermofluids Technology Division, Energy and Resources Laboratory, Industrial Technology Research Institute.

Robert is a past president in the Taiwan Chapter.

PAU Wai Keung from the Hong Kong Chapter, has assumed the position of Nominating Member for the region.

CHOU Uenhua is the Nominating Member Alternate. Uenhua is past president of the Taiwan Chapter and CRC General Chair in 2001.

Finally, a word of thanks and appreciation for all those who have given outstanding and devoted service to Society and the Region in the past year.

Motions Past and what else we can suggest at the CRC

As we go to the CRC in Bangkok, it would be an opportune time plan for the motions that you want Society to work on. Let us consider the outcomes of the motions from last year and decide on the follow up actions.

By the way, from July this year you can track the status of your CRC motions on the ASHRAE website under "ASHRAE Activities and Membership," then "Chapters and Regions." Following each Regions Council Annual and Fall meetings the results from the region's motions (i.e., approved, tabled, defeated, referred, etc.) will be posted. Upon receiving an answer for a motion that has been postponed or referred, the final result to the motion will be published on the web.

The status of the Bangkok CRC motions will be available on the website after the Fall Regions Council meeting (Mid October 2003). This will be the last time such posts appear on the Regional Newsletter.

At the 2002 CRC four motions were raised and passed at the meeting.

1. Region XIII (Hong Kong Chapter):

That ASHRAE change the name of "Kowloon" to "Hong Kong" as shown in the "Station of Cooling and Dehumidification Design Conditions – World Locations in Table 3B" for future Fundamentals handbooks. It is also applicable for all relevant ASHRAE

publications for future revisions in the Society.

Background: "Kowloon" is one of the geographical areas of Hong Kong. Hong Kong is internationally recognized, therefore, the name of "Hong Kong" used in the Cooling and Dehumidification Design conditions is better than using the name of "Kowloon."

Fiscal Impact: Nil.

The motion was referred to Technology Council.

2. Region XIII (Hong Kong Chapter):

That Society establish the position of Area Coordinator in regions or sub-regions for areas without chapters and with a significant number of members.

Background: There are many areas that have over 50 ASHRAE members but they have individual difficulties in chapter formation due to political or other reasons, i.e., Australia, New Zealand, Korea, Japan, China, etc. To form a link with these areas to the region, there will be advantages in the establishment of Area Coordinators:

- A link of the Area Coordinator with the members in that area
- A link of the Society and Region with the members through the Area Coordinator
- Enhance Society services globally to members without a chapter
- Provide foundation of possible chapter formation

The Area Coordinator will be appointed by the Society or by the Region (or with recommendations from the Region). Duties of the Area Coordinator will include:

- Report to the DRC and/or SRC
- Attend CRC annually
- Coordinate with members in the area by email
- Coordinate with the Region by email
- Make report in CRC on ASHRAE activities in the area
- Promote ASHRAE image by coordinating with members with support from the Region

Fiscal Impact: One air ticket of \$600 cap to attend CRC by the Area Coordinator annually. (Note: Chapters within a region require four (4) air tickets for Delegate, Alternate, Research Promotion and Membership Promotion Chairs to attend CRC.)

This motion was replaced by one that permitted the Region to have more flexibility

to use travel allocations to support travel by such "ambassadors" at the discretion of the DRC.

3. Region XIII (Philippines Chapter):

That ASHRAE make a study and develop Safety Standards in using Hydrocarbon refrigerants for commercial and residential refrigeration systems.

Background: In Germany and in the Scandinavian Countries they have stopped manufacturing and using HFCs in refrigerators, beverage coolers and freezers for their local market. They are now using Isobutane (R-600a) for refrigerators and beverage coolers and for chest and upright freezers Isopropane (R-290) refrigerant respectively. In 2004 the standard for electric cooler, chest and upright freezers for commercial use would shift worldwide to hydrocarbon refrigerants with the exception of the US market. We need to ensure that ASHRAE remains a leader in this field.

Fiscal Impact: To be determined.

This motion was referred to Technology Council.

4. Region XIII (Thailand Chapter):

That the Student Activities' design competition include focus on district cooling application and design. **Background:** Due to recovering economic growth in Asia, a lot of big buildings or clusters of buildings might be constructed in the region such as secondary Bangkok International Airport.

Fiscal Impact: Unknown.

This motion was referred to the Student Design Project Subcommittee for discussion and the following response was provided and approved by the SA Committee:

While a district cooling application would be an interesting engineering exercise for students, we believe this is somewhat of an advanced application of the HVAC fundamentals that are typically taught in college and applied in our design competition. This suggestion would also present a challenge in that it would not be appropriate for the Architectural Design category of our competition.

In addition, the outcomes of motions passed in previous CRCs are as follows:

1. Region XIII (Thailand Chapter – 2001 Fall CRC)

That ASHRAE fund more research for practical applications on hot and humid climate locations.

The motion was referred to Technology Council. TC 2.1 (physiology AND Human Environment) and TC 4.3 (Ventilation Requirements and Infiltration) reported that such topics are on their research agendas or are being reviewed for inclusion on those agendas TC 4.4 (Building Materials and Envelope) reported that it believes Chapters 23 and 24 in the Handbook of Fundamentals adequately address hot and humid applications Therefore, no further action is necessary on this item.

2. Region XIII (Hong Kong Chapter – 2001 Fall CRC)

That ASHRAE increase its research on weather and cooling load data (such as detailed hourly design day data as well as a façade data for buildings, including combinations of building materials) in hot humid climate regions, and that the research results be printed in relevant ASHRAE publications for reference by members and other related professionals.

This motion was referred to Technology Council. TC 4.1 (Load Calculations) and TC 4.2 (Weather Data) have not yet responded to this referral so it remains open.

Board's approval to research project 1273-RP, Update the Climatic Design conditions in the ASHRAE Handbook of Fundamentals.

Region XIII - Hong Kong Chapter Motion 43 (01/10/06) that ASHRAE increase its research on weather and cooling load data (such as facade data for buildings, including combinations of building materials) in hot humid climate regions, and that the research results be printed in relevant ASHRAE publications for reference by members and other related professionals.)

The following motion was approved by the BOD during the 2003 Winter Meeting: "That the Board of Directors approve awarding research project 1273-TRP, "Climate design Conditions in ASHRAE Handbook of Fundamentals," to Levelton Engineering Ltd., for a period of 15 months at a total cost to ASHRAE of \$136,000 (Appendix RA-R of Technology Council report). This project was developed in response to regions' requests for weather data.



Honors and Awards

Congratulations to the following members for their achievements, and recognition for their contributions and past services.

Distinguished Service Award

Vincent TSE (Hong Kong)

Fellow grade:

Tawee VETCHAPHUTI (Thailand)
CHEE Yan Pong (Singapore)
CHEN Thiam Leong (Malaysia)

Regional Award of Merit:

HING Fook Yong (Malaysia)
Adrian TAN Jin Kiat (Malaysia)
Bernard LOW Soon Wah (Malaysia)

Coming Events:

7th Asia Pacific Conference on the Built Environment

Innovations and Integrated Building Performance

18 – 19 November 2003, Kowloon Shangri-la Hotel, Hong Kong

Opening by Richard H. Rooley, FEng, President ASHRAE, Inc

Registration Rate: (Indicative only. Please refer to webpage for details)

Full Package (Nov. 18-19, 2003)	HKD1700/USD218	HKD2000/USD256
Day 1 only (Nov. 18, 2003)	HKD1000/USD128	HKD1200/USD154
Day 2 only (Nov. 19, 2003)	HKD900/USD115	HKD1000/USD128
Spouse Package	HKD900/USD115	HKD1000/USD128
Technical Visit	HKD100/USD13	HKD120/USD15

Conference Secretariat APCBE 2003

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CRC Chair 2004

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