

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING  
ENGINEERS, INC.**

**1791 Tullie Circle, N.E./Atlanta, GA 30329  
404-636-8400**

**TC/TG/MTG/TRG MINUTES COVER SHEET**

**(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following  
the meeting.)**

TC/TG/MTG/TRG No. TC 8.10 DATE 01/26/2012

TC/TG/MTG/TRG TITLE Mechanical Dehumidification Equipment and Heat Pipes

DATE OF MEETING Tuesday, June 26, 2012 LOCATION San Antonio, Texas

MEMBERS PRESENT	VOTING MBER Y/N	YEAR APPTD	MEMBERS ABSENT (VOTING)	VOTING MBER Y/N	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Doctor, Titu	Y	2010	Sami, Samuel	N	2010	Duda, Stephen
Kittler, Ralph	Y	2009	Bloemer, John	N	2011	Stevens, Mark
Milliken, Harry	Y	2010	Hutto, Scotty	N	2008	Dussinger, Pete
Schrecengost, Randy	Y	2010	Lakdawala, Ness	N	2008	Lindsay, Bruce
Sechrist, Timothy	N	2011				
Craig Burg	N	2010				
Murphy, John	N	2010				
Brown, Stephen	N	2009				
Shah, Mirza	N	2009				
Ken Jurgensmeyer	N					
Daniel Abbate	N	2010				
Kenneth Cooper	N	2008				
Johnson , Eric S,	N	2006				
Kittler, Reinhold	N	2006				
Ferguson, Julie	N	2011				

**DISTRIBUTION**

<i>All Members of TC/TG/MTG/TRG plus the following:</i>	
TAC Section Head:	Steve Duda



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**Meeting Minutes**  
**2012 Annual Meeting, San Antonio, Texas**

TAC Chair:	Charles Culp
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters:	Srinivas Garimella, Research Liason Debra H. Kennoy, Standards Liason
Manager Of Standards	Stephanie Reiniche
Manager Of Research & Technical Services	Mike Vaughn



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## **Sub-committees**

1. **Call to order**– Vice-Chairman Craig Burg called the meeting to order at 2:05 PM.
  - Discussed TRP 1565 - John Murphy summarized status and it should be easily completed for being accepted and under budget. Note from Julie that it needs to get approved by RAC and Technology Council.
  - Discussed WS 1566 - Harry Milliken summarized some items related to this and with discussions with the liaison. Must go through every level of approval within ASHRAE as the cost is “high”. Need to find bidders and hard to find. Mentioned three phases and the associated tasks for the scope, etc. for the bidders in the work statement. Once all phases were done then publish papers and handbook. Suggestion is to back down to only Phase 1. Reword the WS and be ready for the TC to vote on and approve in Dallas January 2013. The TC only has July 2013 to move forward without having to start completely over. We need to develop a bid list, complete a literature search and have an interview process for the bidders. It is then hoped that this will justify whether to go to Phase 2. Lots of discussion on published data and how much exists. Harry will make a motion in general committee.
  - AHRI is behind and will support RTAR 1630 and the other undetermined one?.
  - New proposed RTAR from Stan Mumma. Generic and wants everyone to review and get back to the committee ASAP.
  - Quick discussion on the wet deck possible RTAR. Randy indicated someone was supposed to follow up with Harry.
  - Discussions on new co-sponsor for technical paper for ice rinks.
2. **Handbook:** Just got published and we are in a new cycle. We need to start a section on Industrial dehumidifiers and try to expand the Chapter in that area.
3. **Programs:** Reviewed the list of programs, etc. In Chicago there was a program on Natatorium Design and it was rejected. We resubmitted and it got rejected in San Antonio after a slight rewrite. More discussions occurred. No specific action, except Randy will determine if there is anything else we need to complete in order to get some seminars selected.
4. **Adjourned:** At 3:22 PM.



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## **General Meeting**

### **1. Call to order & Member Introductions**

- Vice-Chairman Craig Burg called the meeting to order at 3:31 PM.
- Roll Call was completed, with no quorum present as only 4 of 8 voting members were in attendance. Letter ballots will occur as necessary
- Introduction of members and guests

### **2. Request for any Additions to the Agenda:**

- There were no other additions or changes to the agenda requested

### **3. Chairman Announcements:**

- Going forward speakers will need to start paying \$95
- New MTGs have been formed – energy efficient AHUs for non-residential. Some of our membership might be interested
- One item for programs – TCs are asked to provide comment on tracks going forward with the programs.
- Thank you letter to employers – emails will be sent out. Everyone can go on-line now.
- ASHRAE IAQ 2013 conference coming up in Vancouver – looking for abstracts.

### **4. Liaison Reports**

- TAC - Steve Duda
  - Feel free to contact with any questions or comments. email [sh8@ashrae.net](mailto:sh8@ashrae.net)
  - Nothing formal to announce
  - The TC asked him to forward our thoughts about having the speaker to just go in and present his seminar and then leave for free?
  - Upon a question, response was: By tradition – Chair typically, as a courtesy, does not vote as he sets the agenda. The chair can vote as he feels the need, when he feels his vote will send a stronger message, or as needed to break a tie.

### **5. Request for Approval of Last Meeting Minutes**

- There was No Motion to approve the minutes from Chicago since no quorum was present. A letter ballot will be sent out in the next few weeks.

### **6. Subcommittee Reports**

- **Research Subcommittee Report (Julie Ferguson)**
  - 1565-TRP, “Development of the ASHRAE Design Guide for Dedicated Outdoor Air Systems” (John Murphy)
    1. The Proposal Evaluation Subcommittee (PES), which consists of representatives from the co-sponsoring TC’s (1.12, 5.5, 8.10, 8.12) plus four co-funders (Southern Company,



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Munters, Innovent, and SMACNA), reviewed and evaluated the five submitted proposals, and selected a recommended bidder.

2. The PES' recommendation was approved by the TC via email letter ballot in March.
  3. Both the Research Administration Committee (RAC) and Technology Council are voting to approve the recommended bidder during their meetings in San Antonio.
  4. Assuming they approve, ASHRAE staff will work with the principal investigator to sign the Research Agreement (contract), and work on this project can then begin.
- Summary of status of RP-1566 "Evaporation Rates..." (Harry Milliken)
    - No response from Research Committee on RP-1566
    - Harry explained we had 3 phases and an estimate of \$300,000. Kicks it up to get approval in a harder manner. And, we need a bidders list.
    - Three tasks: First to interview designers, research and evaluate existing methods out there today and use the Willis Carrier formula as a baseline, Three would be about to set up and evaluate in lab setting.
    - **Action Item:** Harry to resubmit the RTAR by reducing it down to just Phase 1. Form a sub-committee and adjust the formula with activity factors for different applications (call it a diversity factor), but there are lots of other items in swimming pools. We need this now to help move forward. Suggest to get this done for review by Dallas in January. Attempt to get letter ballot out by October 15, and votes back by (need to allow for 2 weeks) November 1 for a December 15 deadline.
  - New Research proposal - Develop "Method to determine Calculating Residential Latent Load Requirements"
    - John Bloemer - TC 8.12 to co-sponsor, other possible co-sponsoring TCs: 1.12, 6.2 & 9.5.
    - Continue to work with these TCs for approval.
    - AHRI vote passed
  - Stan Mumma new RTAR will be sent out for review and word smithing.
  - RTAR – "Gas Filtration Eliminating Chloramines". Alois Malik will continue to work on this one.

#### **New Research item.**

- New approved RTAR brought from TC5.10 and wanted to know if we want to co-sponsor DOAS for kitchens – Convention system vs. DOAS systems. Hope is the research will help in the design guide that is being formulated. Anticipation that the paperwork would be completed by December 15 deadline. John Murphy will coordinate with the TC5.10 since he is the chair of the guideline and this item will provide research information. Send out a letter ballot for our committee to vote.
- **Program Subcommittee Report (Tim Sechrist)**
  - One program was submitted for San Antonio and rejected:
    1. "Operating Experiences with Dedicated OA Systems seminar" was not accepted.
    2. We plan to resubmit the previously rejected natatorium program for Dallas. We need to take a letter ballot for this as well.



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- We had a conference paper item that we need another author so we will table this one for now.
- **Handbook Subcommittee Report (Ralph Kittler)**
  - Handbook chapter was published in the new handbook
  - Now to think about what to change for the next revision.
  - One thing is to include industrial dehumidification items and text to put in the Chapter.
  - **Other items**
    1. There is a requirement for our committee to provide a new Chapter on DOAS units (as part of the RTAR for the design guide).
    2. Another moisture management Chapter from TC
- **Standards Subcommittee Report (Craig Burg)**
  - SPC 198 is on path to move forward. Currently in 45 day public review and no comments but verbal comments might possibly show up, but not substantive comments.
    1. AHRI will go ahead and publish 920
    2. AHRI does not have a public comment on an MOT.
  - SPC 190 did not have a quorum but the Standard is out for public comments and there are currently 6 comments to address.
  - AHRI is working on a Standard 930 for wrap around heat exchangers. There is a draft with rating tables, definitions, TPS, all exist.
- **Website**
  - Webmaster John Murphy stated the website is up to date.
  - The address for the TC web site is <http://tc810.ashraetcs.org>
- **Membership Subcommittee Report**
  - No real report was provided, but it was noted that the new Roster changes will take effect on July 1, 2012.
  - Various members roll off and on as Voting Members. One person in particular is Ken Jurgensmeyer to be elevated to Voting Member, per Chicago, but is not currently listed as such. Craig Burg will question Steve Dudda as to the reason for the discrepancy.

#### **7. Old Business**

- An e-mail ballot (dated 1 March 2012) was conducted on the motion to approve the Proposal Evaluation Subcommittee's recommendation that the University of Nebraska be selected as the contractor for ASHRAE Research Project 1565, "Development of the ASHRAE Design Guide for Dedicated Outdoor Air Systems." The motion passed 4-0-0-3-CNV.

#### **8. New Business**

- Item regarding TC9.8 and TC 10.2 to prepare papers on "conditioning large ice arenas."
- Suggestion is since the conditions inside those places are known, TC8.10 should co-sponsor as a minimum. Write some papers if at all possible.



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- Need to send out a letter ballot
- Thinking of 4 types conference presentations on: traditional desiccant, new passive desiccant, mechanical dehumidification, and systems design.
  - Reinhold Kittler is thinking of writing a paper on mechanical systems.
  - Some discussions on the NHL specifications and whether there is a need to include in this discussion.
- Craig Burg will update the TC goals and objectives and submit to the committee since he is incoming Chair.
- The following times for the next meeting were proposed. Craig Burg will make the requests for meeting times and room assignments.

<b>Committee</b>	<b>Day</b>	<b>Time</b>
SPC 198	Tuesday, January 29, 2013	Noon-1:00 PM
SPC 190	Tuesday, January 29, 2013	1:00-2:00 PM
TC 8.10 Subcommittee	Tuesday, January 29, 2013	2:00-3:30 PM
TC 8.10 Main Committee	Tuesday, January 29, 2013	3:30-6:00 PM

- It was noted that the draft minutes would be sent to ASHRAE headquarters and published on the TC web site. Once approved via letter ballot, the minutes for the Chicago meeting will also be sent to ASHRAE HQ. The Secretary and the Webmaster will see that this is done.

**9. Motion to adjourn:** Harry Miliken at 4:51 pm.