

**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 06/30/2015  
 TC/TG/MTG/TRG TITLE Mechanical Dehumidification Equipment and Heat Pipes  
 DATE OF MEETING Tuesday, June 30, 2015 LOCATION Atlanta, GA

MEMBERS PRESENT	VOTING MBER Y/N	YEAR APPTD	MEMBERS ABSENT	VOTING MBER Y/N	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Ralph Kittler – Chair	Y	2013	John Murphy	N	2012	David Yashar - RAC
John Murphy	Y		Julie Ferguson	Y	2012	Stephen Duda - TAC
Timothy Sechrist - VC	Y	2012	Tom Brooke	N	2006	Kenneth Cooper - Guest
Alois Malik	Y	2012	Chris Check	N	2010	Bob Barrett - Guest
Ken Jurgensmeyer	Y	2013	Keith Coursin	N	2008	
Harry Milliken	Y	2012	Bryan Dunnivant	N	2004	
Daniel Abbate	N	2010	Florin Gavrilut	N	2009	
Craig Burg – Sec	N	2012	Hugh Henderson	N	2006	
Troy Watson	N		Walter Horn	N	2009	
Reinhold Kittler	N	2006	Scotty Hutto	N	2012	
Stephen Brown	N	2009	Doug Kosar	N	2005	
Titu Doctor	Y	2010	Ness Lakdawala	N	2012	
Patrick Geoghan	N		Dane Christensen	N	2010	
David Baird	N		John Bloemer	Y	2011	
Nadav Singerman	N		Ng Yong Kong	N		
RSchrecengost	Y	2012	Michael Woodford	N		
			Eric Erdman	N	2011	
			Stanley Mumma	N	2008	
			Sunil Nanjundaram	N	2010	





**TC 8.10 - Mechanical Dehumidifiers and Heat Pipes  
Main Committee Meeting Minutes for ASHRAE  
Annual Conference Meeting  
Atlanta, GA**

**DISTRIBUTION**

<i>All Members of TC/TG/MTG/TRG plus the following:</i>	
TAC Section Head:	Outgoing Steve Duda; incoming Dustin Meredith
TAC Chair:	Walter T Grondzik
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters:	David Yanshar, Research Liaison James Aswegan, Standards Liaison
Manager Of Standards Manager Of Research & Technical Services	Stephanie Reiniche Mike Vaughn



## **TC 8.10 - Mechanical Dehumidifiers and Heat Pipes Main Committee Meeting Minutes for ASHRAE Annual Conference Meeting Atlanta, GA**

**Date:** Tuesday – June 30, 2015

**Place:** Hilton Hotel, Room 410 (4th Floor)

**Time:** TC 8.10 Main Committee Meeting – 3:30 PM to 6:00 PM

- Chair Ralph Kittler called the meeting to order at 3:30 PM
- Determination of Quorum – 5 voting members and John Murphy (a non-quorum voting member) were present representing a quorum.
- John Murphy updated the committee on 1712-RP (formerly 1565-RP) via Skype: Development of the ASHRAE Design Guide for Dedicated Outdoor-Air Systems
  - Active writing is occurring for the guide
  - 7 chapters planned
  - 1<sup>st</sup> chapter complete. Some revisions are needed.
  - 2<sup>nd</sup> chapter laid out and will be reviewed shortly.
  - 3<sup>rd</sup> chapter has been started
  - December 2016 original target looks to be a realistic goal for expected completion. This is in –line with the original goals. The handbook chapter draft would also be included in the December, 2016 timeframe.
  - Harry Milliken asked if some chapters could be reviewed in Orlando during the next meeting.
- Chair indicates that Julie Ferguson will not be able to attend meetings. We will do an emergency roster change
- Approval of Chicago meeting. Harry made motion to approve. Tim Seconds. No comments. Motion carries 5-0-0-3 CV.
- Chair Report. Ralph gave update on a newly formed MTG operations and maintenance activities that support energy efficiency and a new refrigeration committee for any members consideration. A new MTG and handbook chapter for natatoriums. Members can request some time at their local meetings to discuss their TC activities.
- Ralph made a comment that we would like to consider Harry Milliken for a recommendation for the Hightower award in the future. TC does not have to make formal recommendation or vote at this time. We will pick this back up in June at the Annual Meeting.

### **Subcommittee Reports:**

#### **Program**

- Tim Sechrist made motion to submit seminar for Orlando that includes an introduction 920/198, a discussion of how to specify and schedule, and how latent enhancement devices impact the capacity and efficiency values. This a previous seminar proposal was not able to be submitted for Atlanta due to time constraints. Harry Milliken seconded. Motion passes 5-0-0-3 CV. Tim will distribute draft of the proposal to all involved.



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- Tim Sechrist discussed the potentially proposed future projects.
  - Tim Sechrist discussed the proposed presentation on pressurization and building envelope offered in the sub-committee meeting. “Should Building be Certified Suitable for Natatorium Health, Comfort, and Safety”. This would be Productivity, Track 6, in Orlando. It would include importance of ventilation air, commissioning, air distribution. Paints coatings and materials for natatoriums. When is economizer suitable for natatoriums? No immediate action was to be taken. This will be on our list of potential projects.
  - Proposal was offered for future seminar: “Applying Heat Pipes to Existing Facilities”. One hour. “Issues Associated with Application of Heat Pipes” was also suggested for the “Renewable Energy Systems and Net Zero Buildings” track. No immediate action was to be taken. This will be on our list of potential projects.
  - Proposal was offered for future seminar: Latent Loads– Tunnel Drying, Grow Rooms, Industrial, and Fish Farms. No immediate action was to be taken. This will be on our list of potential projects.
  - An additional seminar “Latent loads and DX verses Desiccant” was offered. The theme would potentially be “Do you really need 30% RH?”. It was mentioned that this may be somewhat controversial depending on the framing of the discussion. No immediate action was to be taken. This will be on our list of potential projects.
  - A discussion on a seminar "Special Commissioning Requirements for Dehumidifiers and Heat Pipes" was discussed. No immediate action was to be taken. This will be on our list of potential projects.

### **Handbook**

- Handbook Subcommittee Chair, Ralph Kittler indicated that we submitted handbook chapter on time. September or October the galley proofs will be submitted and approved.
- Handbook told us to keep in mind that these are now international and content should be created with this in mind.
- Handbook is asking that TC’s focus on the web version to include more interactive content.

### **Research**

- Steve Brown indicated that TC 5.10 is looking for cosponsor for an RTAR. Steve reported that RP 1664 Conditioning OA for Commercial Kitchens was developed in 2009. This was broken into two sections: mechanical devices and loads. TC 8.10 Committee requests a copy, but will vote on co-sponsorship based on the description Steve has given.
- Harry Milliken made a motion to cosponsor the 1664 Research Project. Tim Sechrist seconded. No discussion. Motion passes 5-0-0-3 CV.
- 1566-WS "Equations to Estimate Evaporation Rates from Wetted Surfaces" has expired and has been removed from the active list of Research projects. We can resubmit a work statement at any time without an RTAR if the scope does not change significantly. The committee decided that a good deal of the next subcommittee meeting in Orlando would be



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set aside for Research, particularly the discussion and rescope of this project. Ralph Kittler will create the basic agenda that sets aside this time in the sub-committee meeting.

- Ralph Kittler brought committee up-to-speed on work CDC is completing on the Model Aquatic Health Code. In particular, some members and staff from ASHRAE will be meeting to discuss the issues and next steps in potential research. We will co-sponsor and support any work by the CDC and other sections.
- Alois will be new research subcommittee chair. Julie will be asked to send all of her files.

### **Standards**

- Craig Burg indicates no new direct TC8.10 activity. 190 and 198 is under continuous maintenance but requires no activity at this time.
- AHRI membership put together a presentation to ASHRAE 90.1 proposing the format and categorization of DX-DOAS dehumidifiers. A minimum value in each category is pending. Activity is taking place to attempt to get these into the 2016 version of 90.1.
- Harry - 90.1 has approved the inclusion of DOAS into the new standard.
- Pool is pending. Will do an addendum this summer. Harry brought up the economizer cycle and the latent applications. Harry is asking committee for involvement in writing a statement regarding economizers.

### **TC Web Site**

- John Murphy indicates that the web site is up-to-date. John will update the site with the new roster after this meeting. John requested that any additional content or modifications that the committee would like to have on the site could be sent to him.
- TAC indicates that there will be a new template coming out for the web sites.

### **New Business**

Member brought up that DOE test procedure approved for consumer dehumidifiers energy efficiencies.

- **Motion to Adjourn by Ralph Kittler. Alois Malik seconded motion. Meeting adjourned at 4:51 PM.**