

**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 01/28/2015
 TC/TG/MTG/TRG TITLE Mechanical Dehumidification Equipment and Heat Pipes
 DATE OF MEETING Tuesday, January 27th, 2015 LOCATION Chicago, IL

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



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

DISTRIBUTION

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

Date: Tuesday – January 27, 2015

Place: Palmer House Hilton Hotel, Chicago Room (5th Floor)

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

Note: Since this is a relatively small TC, we discuss research, handbook, and program activities during one combined subcommittee meeting. Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.

- Chair Ralph Kittler called the meeting to order at 3:37 PM
- Determination of Quorum – 5 voting members and John Murphy (a non-quorum voting member) were present representing a quorum.
- Ralph Kittler indicates that John Bloemer will roll off as voting member in July of this year. We will still have 7 voting members if there is no replacement. This would not present a problem.
- Previous meeting minutes were reviewed and no comments were made. Harry Milliken made motion to approve Seattle minutes as distributed. Ken Jurgensmeyer seconded motion. Minutes approved as written 6-0-0-2 CV.
- John Murphy gave an overview of current progress of RP-1712. Contractor has developed an outline including a 1st draft table of contents. Interviews are still on-going and will likely continue as writing takes place. Contractor has been given go-ahead to start writing main body of the 1st chapters. SPC is satisfied with progress and direction to date.
- John Murphy gave an update as Webmaster. The site is currently up-to-date. John requested that any additional content or modifications that the committee would like to have on the site could be sent to him. Otherwise, meeting minutes and agendas will continue to be added.
- Steve Duda, our Section 8 Section Head, was available and gave an overview of current activities. No significant report to give from TAC at this time. TAC is offering to help with any roster issues if and when they occur. Ralph Kittler gave an overview of the section meeting. Bios are very important to update on the ASHRAE website, especially the e-mail addresses such that we contact TC members.
- 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.



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Subcommittee Reports:

Program

- Program Sub-committee Chair, Tim Sechrist indicates that we may have more success if we look out further (as much as a year for seminars).
- Tim reports that a basic discussion took place in subcommittee regarding the potential track. A basic discussion took place with regard to the possibility of a combination of items related to DX-DOAS for Atlanta and revisit the Natatorium and possibly a new WHD for the residential track in Orlando. Tim will reach out to John Bloemer to determine if the whole home dehumidification is something he would like to do. Some discussion also took place on a potential for a future program on Tunnel Dryer applications. Submissions need to be in by February 9th Atlanta.
- Additional discussion took place on the potential for Atlanta. We will put together a seminar for Atlanta 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. Tim Sechrist made a motion to submit this as a program for Atlanta. Alois Malik seconded motion. Vote 5-0-0-2 CV.

Handbook

- Handbook Sub-committee Chair, Ralph Kittler reviewed the discussion during subcommittee meeting. We will have It is expected that the 1st week of March Ralph will send a copy with the additional figures mentioned prior that will send to committee for review. Within 2 weeks subsequent a letter ballot will be distributed.
- It was passed along that the Handbook committee is looking to reward those who are involved in the process of creation and revision. This is an open call for ideas from membership. We can contact Ralph with any suggestions and comments.
- Harry and Ralph thought that the new natatorium chapter (not under the direct management of TC 8.10) will be named "Indoor Pools and Water Features ". Due to concerns in the committee that the term "natatoriums" was not well understood or may have connotations of larger size facilities, the alternate name was recommended.

Research

- Craig Burg attended Research Breakfast meeting in its place of Julie Ferguson since she was not available to come to the meeting. No significant new business from research to discuss.
- 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



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- 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.

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.

TC Web Site

- TC Webmaster, John Murphy reports web site is up-to-date. He offered that any additional information the committee would like to be posted can be sent to him.
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- **Motion to Adjourn by Harry. Tim Sechrist seconded motion. Meeting adjourned at 4:51 PM.**



TC 8.10 - Mechanical Dehumidifiers and Heat Pipes Subcommittee Meeting Minutes for ASHRAE Annual Conference Meeting Chicago, IL

Date: Tuesday – January 27, 2015

Place: Palmer House Hilton Hotel, Chicago Room (5th Floor)

Time: TC 8.10 Subcommittee Committee Meeting – 1:00 PM to 3:30 PM

Meeting called to order at 1:02 PM by chair Ralph Kittler

Research – Research Subcommittee Chair, Julie Ferguson

- RTAR - “Equations to Estimate Evaporation Rates From Wetted Surfaces” (Harry Milliken) is no longer active on the activity reports for RAC. In speaking with our Research Liaison the RTAR is an optional step in all cases, but is recommended for understanding the interest to the society. Since in this case the RTAR was already accepted, we could resubmit our Work Statement at any time. It was discussed that we would table the potential for this research project at this time.
- The RTAR “Develop a method to determine residential whole home dehumidification capacity requirements.” has no activity at this time. John Bloemer (original RTAR draft writer) was not available at the sub-committee meeting. We will inquire into the status and continued work if John is available at the main committee meeting.
- 1712-RP (formerly 1565-RP) is in development phase. The contractor is completing interviews and gathering additional articles. They are also completing site visits in parallel. They are moving on to second task of writing the draft.

Handbook - Handbook Subcommittee Chair, Ralph Kittler

- Committee reviewed the latest draft of the handbook as forwarded by Ralph Kittler.
- A psychrometric chart will be added to show a process that includes bypass air around an evaporator. Alois Malik will also create the draft and some additional text for the graphics explaining the psychometrics.
- The general purpose dehumidifier in Figure 5 was discussed and additional text regarding the location of outdoor air was added.
- Sub-Committee reviewed additional text added by Alois Malik to Industrial Dehumidifiers section and various comments by Harry Milliken. Additional comments and markup by the committee occurred.



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- It is expected that the 1st week of March Ralph will send a copy with the additional figures mentioned prior that will send to committee for review. Within 2 weeks subsequent a letter ballot will be distributed.

Programs- Program Subcommittee Chair, Tim Sechrist

- Tim Sechrist stated that the Natatorium program was once again not accepted for this meeting.
- There was discussion on a Workshop or a Forum in regards to the writing the specification and schedule for DOAS equipment.
- Proposed program ideas for future meetings were discussed. Craig Burg offered to do a presentation on AHRI 920 and ASHRAE 198. It was thought that this would fit into an overall IAQ presentation for the IAQ track in Atlanta. There had been previous discussions on the possibilities of a presentation dealing with how to write a DOAS system specification and schedule rather than the Workshop or Forum. This was brought up as a possible presentation for the same seminar.
- Discussion led us to believe that a whole house dehumidifier presentation would be a good seminar for Orlando where Residential is a track.
- It was decided that additional discussion and final decisions would take place in the main committee meeting.

Standards - Standards Subcommittee Chair, Craig Burg

- Craig Burg stated that there was minimal new business was occurring. We have standards under maintenance, but no action is required. Additional discussion on standards related to our TC will occur in main committee meeting.

Meeting was adjourned at 3:25 PM.