

ASHRAE TC 8.3 – Absorption and Heat Operated Machines  
Meeting Minutes – ASHRAE 2008 Annual Meeting  
Salt Lake City, Utah  
Monday, June 23, 2008

The meeting was called to order at 3:30 pm. Laura Schaefer, TC Chair, distributed a sign-in sheet, the agenda, and the minutes from the previous meeting. Introductions were made.

#### Liaison Comments

The Handbook Liaison asked about the status of the TC's handbook chapters. Don Erickson had sent advance word that the chapter status was proceeding as expected, and these comments were passed along to the liaison.

Later in the meeting, Vin Gupta, the head of Section 8 also arrived to address the TC. He thanked all the TC members for all of our efforts with programs, standards, handbook, and research. He also reminded us of the ASHRAE Strategic Plan, which was discussed later in the TC meeting. Vin commented that the new president is very interested in the operation of high performance buildings, and feels this is even more important than simply designing the buildings. Finally, he also mentioned the option to apply for an employer's thank you letter, which was further discussed later in the TC meeting.

#### Determination of Quorum

There are currently 9 voting members of TC 8.3. Only four members were present at the meeting, so a quorum was not achieved. All voting issues will be resolved by a mail ballot.

#### Review of Minutes

The minutes from the New York meeting were reviewed. The present voting members agreed to a nonbinding approval of the minutes.

#### Sub-Committee reports

##### Research

The research report was presented by Uwe Rockenfeller, the Research Sub-Committee Chair. The Research Sub-Committee also met prior to the full committee meeting.

1. RTAR 1462: Active Mechanisms for Enhancing Heat and Mass Transfer in Sorption Fluids. After much back and forth, it was finally determined that RAC never received the TC's original response to their comments on RTAR 1462. There are no changes from the previous response, so Laura Schaefer will resubmit the comments to RAC.
2. RTAR development: Absorption Refrigeration Cycle Training Simulator for Sustainable Resource Use. Don Blacklock and Laura Schaefer developed a pre-RTAR consisting of a title and a short abstract. Laura Schaefer will revise that abstract to include an explicit

mention of an absorption cycle's contributions to sustainability through its use of waste heat and lack of ozone-depleting substances. Kostas Kontomaris volunteered to also help with the revision and expansion of the abstract. Additionally, Tim Wagner and Rich Sweetser will approach TC 1.10 to explore if they are interested in co-sponsoring the RTAR.

3. RTAR development: Actual Field Experience with Solar Driven Absorption Units. As planned at the previous TC meeting, Joe Boswell explored this RTAR topic. He found that there are many relevant installations in Europe and one in California. Stephen White recommended that the TC focus the project on investigating the mistakes made with these systems, and why most systems don't meet their specifications. He agreed to provide the TC with more access information on where to find the relevant data. Joe Boswell and Stephen White demonstrated that, first of all, there is confirmation that such data exists, and secondly, we have leads to this data. Given this basis, it was decided that the RTAR should include a focus on seeking common denominators in this data with respect to transience, controls, failure, etc. In order to further this title into a pre-RTAR, Stephen White will write up a few paragraphs.
4. The TC decided an order of priority among these projects. RTAR 1462 is the number one priority, followed by solar driven absorption chillers, and finally by the demonstration unit.
5. In discussing the third priority pre-RTAR, Kostas asked if the goal was to be a physical or a computer simulation. The existing pre-RTAR will remain a physical unit, but it was thought that a computer simulation may be much easier to disseminate and operate. Kostas will provide us with a pre-RTAR of an advanced computer simulation with a GUI of an absorption unit, and Jay Kohler will assist.
6. Satheesh Kulankara volunteered for scoping out a project on low-temperature generator tube design, analysis, and testing. The focus of this project is on absorption cooling using waste heat. Satheesh will put together a title and a paragraph about this. Either 1.3 or 1.10 might be interested in co-sponsoring this, but they will not be approached until the title and paragraph have been developed.
7. Ken Shultz discussed updates from research sub-committee chair meeting. Martha Hewitt is now RAC chair. She has created her strategic 2008-09 MBOs: establishing working groups to identify and facilitate research projects that will meet overarching research goals, continued development of the strategic plan, and active engagement of TCs in the development of strategic plans.

### Programs

The programs report was presented by Laura Schaefer. In protest of the ASHRAE mandatory seminar recording policy, TC 8.3 will again not sponsor a seminar for the Winter meeting in Chicago, and will send another letter of protest. It was noted that within Section 8, TCs 8.1, 8.4, 8.5, 8.6, 8.8, 8.10, 8.11, and 8.12 also strongly object to this new recording policy. A nonbinding agreement was made, however, to co-sponsor a Transactions session with TC 1.10 in Chicago.

### Website (Schultz)

Ken Schultz presented a brief update on the website, which is current, and contains previous meetings' minutes. Jay Kohler asked Ken to add a link to the heat pump conference coming up in Korea.

## Handbook

Don Erickson was not present, and there was also nothing to report on the handbook.

## Standards

Jay Kohler presented the Standards report. He stated that the committee voted to send Standard 182 out for public review last year. No public review comments were received from that review period. On June 21, the committee received approval from Standards for publication. Renewal/reaffirmation of the standard will occur three years from now.

## Other Business

Laura Schaefer presented a number of topics that had been addressed at the Section Chairs Meeting.

1. A form for requesting that a thank you letter be sent to an attendee's employer was made available to the committee.
2. The revised Strategic Plan was discussed. In particular, the codification of four strategic directions, with the specific councils in charge of each one, was mentioned. The role of the publications "Vision 2020," "Research Strategic Plan," "Sustainability Roadmap," and "Strategies for a Global Environment" within those four directions was also demonstrated.
3. A handout from the CTTC was distributed. Their program broadcasts, speaker database, and distinguished lecturer program were explained.
4. The role of the intersociety liaisons was presented.
5. It was emphasized that all comments submitted to TCs for their Handbook chapters should be formally acknowledged.

The meeting was adjourned at 4:30 pm

**Schultz, Ken**

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**From:** Schaefer, Laura Atkinson [las149@pitt.edu]  
**Sent:** Monday, June 23, 2008 11:11 PM  
**To:** las.pitt@gmail.com  
**Subject:** TC 8.3 Minutes from Salt Lake City

**Attachments:** cover.pdf; minutes.pdf



cover.pdf (19 KB)



minutes.pdf (14 KB)

Please find attached the draft minutes from the TC 8.3 meeting on June 23, 2008, in Salt Lake City.

FOR THE 2007-2008 VOTING MEMBERS OF THE TC: We did not achieve a quorum at the SLC meeting, and have two items that must go through an e-mail ballot. These are highlighted in the attached minutes, and are:

- 1) Approval of the draft minutes from NYC (these were sent out on June 11 - please let me know if you need another copy)
- 2) Approval for co-sponsoring a transactions session with TC 1.10 for the Winter 2009 Chicago meeting.

Please let me know by June 29, 2008, whether you vote yea, nay, or abstain for both of these motions.

Thank you,  
Laura Schaefer

(The voting members are: Laura Schaefer, Tim Wagner, Paul Sarkisian, Rich Sweetser, Don Erickson, Abdi Zaltash, Srinivas Garimella, Vikas Patnaik, and John Bevington.)