

**ASHRAE TC 8.3 Absorption and Heat Operated Machines
Meeting Minutes
For Monday, June 27, 2005
ASHRAE 2005 Summer Meeting – Denver, CO**

The meeting was called to order at 3:30 p.m. Jay Kohler distributed the meeting agenda and sign-in sheet, and read the scope of the TC. Introductions were made and Kohler invited visitors to apply to become corresponding members. The voting totals throughout these minutes are in the format of for-against-abstain.

Future Meeting Schedule

Kohler stated that this Denver meeting was the first meeting in the Monday 3:30 time slot, and that he anticipated that future meetings would also be scheduled for this new time slot.

Review and Revision of Agenda

No changes were made to the agenda.

Determination of Quorum

Seven out of nine voting members for TC 8.3 attended the meeting, so a quorum was achieved. An additional eighth voting member was present for the second half of the meeting. Kohler reviewed the fact that there is an opening for an International Member on the committee.

Review and Approval of Minutes

The minutes from the Orlando meeting were approved 7-0-0.

Sub-Committee Reports

Research

Research Sub-Committee Chairperson, Uwe Rockenfeller, provided an update on the committee's research activities. No exceptions or additions were made to the minutes of the Orlando Research Sub-Committee meeting.

1. TRP 1200 – *Optimized Operation of Absorption and Electric Chillers in Hybrid Machine Rooms and Associated Design Control Strategies* is TC 8.3's active research project. Jay Kohler, Paul Sarkisian and Dharam Punwani are serving as the members of the project sub-committee.

The Project Sub-Committee met with the contractor in Denver and an update report was given. Contractor expects to have 2 technical papers as a result of the project. Contractor requested a project extension be allowed beyond the previously scheduled August 31, 2005 deadline. The Committee approved an extension until January 20, 2006 by a vote of 7-0-0. A report is expected to be given in Chicago.

2. Regarding WS 1263/RTAR 2005-04, *Analysis of Transient Response and Associated Control Strategies for LiBr/H₂O Absorption Systems*:

The Work Statement was proposed to become an ASHRAE Tool Kit. TC 1.4 will co-sponsor the resubmission to RAC with TC 8.3. The motion to review and resubmit was approved 7-0-0.

3. Unsolicited Research Proposal 1338-URP
The Proposal Evaluation Subcommittee (PES) included Reinhard Radermacher, Ken Schultz and Uwe Rockenfeller. The subcommittee met and determined that the proposed work does not fit ASHRAE strategic criteria. A motion was made and TC 8.3 voted to reject the Unsolicited Proposal 7-0-0.
4. Research Plan – for 2005-2006 the Research priorities are as follows: 1) **Analysis of Transient Characteristics and Control Strategies** of LiBr-Water Absorption Chillers (co-sponsored with TC 1.4), 2) **Sustainability Assessment of Absorption and Vapor Compression Chillers**, and 3) **Active Enhancement of Heat and Mass Transfer**. A motion was made to approve the Research Plan. It was approved 8-0-0.
5. Rockenfeller reviewed comments from the Research Chair Meeting. The importance of aligning TC goals with those of RAC & ASHRAE Board was reviewed. Work Statements must meet the strategic resource plan to pass RAC. Submission date for RTAR and WS is August 15. TC 8.3 will have a new Research liaison – Ron Bailey.
6. The Work Statement on “Sustainability Assessment of Absorption and Vapor Compression Chillers” will be resubmitted by Vik Patnaik, Reinhard Radermacher & Abdi Zaltash. TC 2.8 (“Building Environmental Impacts & Sustainability”) may co-sponsor, pending vote on June 27, 2005.
7. Regarding RTAR “*Active Enhancement of Heat & Mass Transfer*” TC 1.3 representative Michele Friedrich had volunteered to work on the project, but has rolled off the committee. Srinivas Garimella, TC 8.3, agreed to work on the project prior to Chicago.

Programs

Laura Schaefer presented the Program Sub-Committee report. Abdi Zaltash was not present.

The seminar presented this morning in Denver had 43 people attend. R. Sweetzer, Tim Wagner and Bill Hanna presented.

In Chicago, there will be a theme of “Integrated Design in Tall Buildings”.

TC 8.3 will submit two options for programs in Chicago: 1) a Seminar – Absorption/Sorption Heat Pump Refrigeration Systems (Milt Meckler, D. Erickson and S. Garimella as proposed presenters), and 2) a Forum – “How Absorption can Sustain the Planet”. A motion was made to submit the two Programs as above to be held in Chicago. Motion passed 8-0-0.

A Symposium will be proposed for Quebec City.

Handbook

1. Keith Herold reviewed his research paper on new properties of LiBr-water solution. The Handbook subcommittee proposed to incorporate the Herold work in the Fundamentals Handbook. TC 8.3 approved this proposal 8-0-0. Erickson, Hanna and Schultz will develop.
2. A motion was made to leave Chapter 41 unchanged. The motion passed 8-0-0.

Standards

1. *Ashrae 40-2002 Methods of Testing and Rating Unitary Heat Operated Equipment* – current posture is to revise/reaffirm/withdraw. Will be resubmitted at some point.
2. ASHRAE has been asked to develop a Method of Test (MOT) for ARI 560-2000. SPC 182 has been designated to address this issue. A team of Kohler, Patnaik, Wagner and Sarkisian was assembled to review this standard.

Website

Ken Schultz presented the Website Sub-Committee Report.

1. K. Schultz stated that updated information is now on the website.
2. The minutes of the meetings and sub-committee meetings will be posted when they are sent to him.
3. Current RTAR and WS information is on the website.
4. If you have any comments, updated or suggestions, please contact Schultz.

Other Business and Additions to the Agenda

Jay Kohler recognized Reinhard Radermacher for receiving ASHRAE’s Exceptional Service Award.

Kohler also asked for nominees for the Hightower Award.

A motion to adjourn the meeting was approved 8-0-0 at 5:55 pm.

Submitted by John Bevington