



**ASHRAE TC 8.3 Absorption and Heat Operated Machines
Meeting Minutes
For Monday June 28, 2004
ASHRAE 2004 Summer Meeting – Nashville, Tennessee**

The meeting was called to order at 6:30 p.m. Vikas Patnaik distributed the meeting agenda and sign-in sheet, and read the scope of the TC. Introductions were made, and Patnaik invited visitors to apply to become corresponding members. The voting totals throughout these minutes are in the format of for-against-abstain.

Liaison Reports

Eckhard Groll presented the Section Head report. He presented a certificate of appreciation to Vikas Patnaik for all of his hard work while serving as chair of TC 8.3. He also asked for comments that TC members would like him to bring to the attention of the section leadership.

Review and Revision of Agenda

No changes were made to the agenda.

Determination of Quorum

Six out of nine voting members for TC 8.3 attended the meeting, so a quorum was achieved. In addition to the voting members, five corresponding members and two guests attended the meeting.

Review and Approval of Minutes

The minutes from the Anaheim winter meeting were approved 6-0-0.

Roster and Committee Positions

For the next roster rollover, Sam Shelton and Uwe Rockenfeller will cease to be voting members, and Paul Sarkisian and Srinivas Garimella will take their places.

As of July 1, 2004, Vikas Patnaik will no longer be Chair (he will remain a voting member, however). Jay Kohler will be the new Chair, Laura Schaefer will be the new Vice-Chair, and John Bevington will become the secretary.

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 Anaheim Research Sub-Committee meeting.

1. TRP 1200 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 start date for the project was June 1, 2004, and the project sub-committee met with Braun Consulting, the PI, on June 28. In addition to the project sub-committee members, Abdi Zaltash will also help to contribute additional background information

to the PI. **For future meetings, the PI will meet with the project director on Monday morning, and will give a presentation at the TC 8.3 research sub-committee meeting (starting in Orlando).**

2. For WS 1263/RTAR 2005-04, *Transient Response and Associated Controls...LiBr/H₂O*, R. Radermacher has provided V. Patnaik with the relevant background articles. **On June 29, TC 1.4 will vote on whether they are interested in co-sponsoring this RTAR, and, if so, work will be done to incorporate additional issues of interest to that TC.**
3. Under the new RAC guidelines (to be enacted in 2005), RTARs that receive unanimous votes for approval in the TCs are awarded more points than those with nays or abstentions. Also, at least 3 independent bidders are required for a TRP to receive funding.
4. The new research plan will be released in the Summer of 2005. WSs and RTARs will now have the same numbers assigned to them throughout the process, and the tracking and feedback mechanisms will be improved.
5. TC 1.10 (Cogeneration) would like TC 8.3 to join in sponsoring a "Design Guide for CHP" research effort. A motion was made to approve the co-sponsorship, discussion was provided by V. Patnaik with respect to how this effort is a means by which to bring cogeneration issues into TC 8.3, and the motion was passed 6-0-0.
6. A number of potential topics for future RTARs were discussed. Horatio Perez-Blanco submitted a paper as a suggestion for a topic, and it was decided that some of the issues in the paper, such as Active Enhancement of Heat and Mass Transfer Technologies, could be taken out as separate topics. **S. Garimella will contact TC 1.3 for possible co-sponsorship of that topic. Also, R. Radermacher will work with V. Patnaik on a potential sustainability RTAR.**
7. In summary, TC 8.3 has two research action items:
 - a. Resubmission of RTAR 2005-04/WS 1263, and
 - b. Submission to Mike Vaughn of "Comparison of Sustainability for Waste Heat Utilization Devices" by V. Patnaik and R. Radermacher.

No other changes were made to the mission or background of the research plan. A motion was made to accept the priorities of the research plan, and was passed 6-0-0.

Programs

Laura Schaefer presented the Program Sub-Committee report. The seminar presented in Anaheim was well-attended, and all of the presenters are to be thanked for their contributions.

1. TC 8.3 sponsored two sessions in Anaheim: a symposium on "Absorption/Sorption Heat Pumps and Refrigeration Systems," and a forum on "Can Absorption Help Alleviate Utility Volatility/Supply Interruption." Both sessions were well attended, and the symposium was particularly popular.
2. In Nashville, TC 8.3 sponsored a seminar on "Novel Ideas in Absorption Technology." V. Patnaik graciously agreed to serve as the chair for that seminar due to a family conflict that arose for the scheduled chair (L. Schaefer).
3. The seminar TC 8.3 will sponsor in Orlando will be titled "Absorption/Sorption Heat Pumps and Refrigeration Systems." Although this is normally a symposium, only one paper was received despite repeated CFPs, so the session was changed to a seminar. The speakers will be Charles Garris, Srinivas Garimella, Rich Sweetser, Tim Wagner, and a representative of Rocky Research.
4. In Denver, TC 8.3 will sponsor a seminar on "Novel Ideas in Absorption Technology." The motion to approve this topic carried 6-0-0. Due to the other Denver conference (see next item), **a Sunday or Monday date will be requested for that seminar.**
5. Preceding the ASHRAE meeting in Denver, the International Sorption and Heat Pump Conference will be held in Bloomfield (just outside of Denver). This may be an opportunity to attract more international members to TC 8.3.

6. A request was put forth to find a new Program Chair, but no one present volunteered. **Members who are interested in becoming Program Chair are encouraged to contact the present P.C., L. Schaefer.**

Handbook

Vikas Patnaik presented the Handbook Sub-Committee report for Don Erickson.

1. The Fundamentals chapter section on “Thermophysical Properties of Refrigerants” is currently being evaluated. K. Schultz stated that Keith Herold is currently doing some work on LiBr/H₂O, as has some recent papers in that area that might be relevant for updating that area. Discussion was conducted on whether this type of work has already been incorporated, and it was decided that Herould has some new correlations that might go beyond U. Rockenfeller’s existing research. **K. Schultz will use Keith’s code to conduct some comparisons for the next Handbook cycle.**
2. As of 2005, all chapter revisions are to be made on an annual basis.
3. The Refrigeration Chapter (Ch. 41) is the next to be reviewed by TC 8.3. The review will continue through June 2005. Tim Wagner volunteered to work with Don Erickson on this area. **D. Erickson will distribute Ch. 41 to anyone interested in contributing to it, and the possibilities for revision will be discussed at the Orlando TC meeting.**

Standards

Vikas Patnaik presented the Standards Sub-Committee report for Steve Petty.

1. The Appendix of the ARI standard 560-200 Methods of Testing is in the process of being developed into an ASHRAE standard. The title, purpose, and scope were composed by Patnaik, and forwarded to Claire Ramspeck and PPIS for approval.
2. It was decided that a new Standards Sub-Committee chair was needed, and V. Patnaik volunteered to fill that role.

Website

Ken Schultz presented the Website Sub-Committee report.

1. **K. Schultz will add the new roster information to the web site.** It was decided by general consensus not to post detailed contact information for the TC.
2. K. Schultz will also post **the minutes and research minutes once they are sent to him.**
3. The server is currently being upgraded, so all of the files will be re-uploaded when that is complete.

Other Business and Additions to the Agenda

Jay Kohler made a motion to thank Vikas Patnaik for all of his service to the committee.

A motion to adjourn the meeting was approved 6-0-0 at 7:55 p.m.

Submitted by Laura Schaefer.