

**AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR-CONDITIONING ENGINEERS, INC.**  
1791 Tullie Circle, N.E./Atlanta, GA 30329  
**404-636-8400**

TC/TG/TRG MINUTES COVER SHEET

**(Minutes of all TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)**

TC NO TC 8.12 DATE July 23, 2004

TC TITLE Desiccant Dehumidification Equipment and Components

DATE OF MEETING June 23, 2004 LOCATION Nashville, TN

VOTING MEMBERS PRESENT	YEAR APPTD	VOTING MEMBERS ABSENT	YEAR APPTD	CORRESPONDING MEMBERS & GUESTS
Steve Slayzak	02	Wayne Caudle	01	Bill Lull (CM)
Doug Kosar	03	Milt Meckler	00	Jim Sand (CM)
Lew Harriman	02			Ali Jalalzadeh (CM)
Ed Vineyard	02			Andy Lowenstein (CM)
Jerry Wurm	01			Joseph A. Pietsch (CM)
Stan Slabinski	03			G. D. Mathur (CM)
Steve Brickley	03			Ronnie Moffitt (CM)
Marek Czachorski	01			Rich Sweetser (CM)
				Abdi Zaltash (Guest)
				John Ellingson (Guest)
				Bruce Urban (Guest)
				Eckhard Groll (Section Head)
				Charlie Cromer (Guest)
				Tim Wagner (Guest)
				Rich Gates (Guest)
				Mike Schell (Guest)
				Doug Fitts (Handbook Liaison)

**DISTRIBUTION**

*All Members of TC/TG/TRG plus the following:*

TAC SECTION HEAD:	Eckhard Groll (outgoing) Pat Graef (incoming)
TAC CHAIR:	William Bahnfleth
ASHRAE MANAGER OF TECHNICAL SERVICES:	Regina Stafford

<p>ALL COMMITTEE LIAISONS AS SHOWN ON TC/TG/TRG ROSTERS:</p>	<p>Mark Conway (Hdbk Liaison 2005 Fundamentals) Edward Fitts (Hdbk Liaison 2008 Systems &amp; Equip) Kimball Ferguson (Special Pubs Liaison) Jeff Traylor (Program Liaison) Mark Hydeman (Professional Development Liaison) William Klock (Chapter Tech Transfer Liaison) Brian Dougherty (Standards Liaison) Thomas Kuehn (RAC Research Liaison)</p>
<p>ASHRAE MANAGER OF STANDARDS: ASHRAE MANAGER OF RESEARCH:</p>	<p>Claire Ramspeck Mike Vaughn</p>

## **Minutes of the ASHRAE TC 8.12 Meeting**

**Nashville, TN, June 23rd, 2004**

- 1) The meeting was called to order by Steve Slayzak at 2:25 p.m.
- 2) Self-introductions were made.
- 3) Roll call: eight (8) voting members, seven (7) corresponding members, and eight (8) guests were present. Quorum was met.
- 4) The agenda for the meeting was approved, 8-0-0.
- 5) The Anaheim meeting minutes were approved, 8-0-0
- 6) Section 8 communications and news items:
  - a. The Chair had no news items to report from the section 8 meeting.
  - b. Eckhard Groll of Purdue University, outgoing head of section 8, noted that the incoming section head will be Pat Graef of Munters Humicool.
  - c. Prof Groll presented Steve Slayzak, outgoing chair of TC 8.12, with a certificate of appreciation for his four years of service in that capacity, and the committee likewise expressed its collective thanks to chairman Slayzak.
  - d. The committee asked Prof. Groll to once again communicate the name change request to the technical activities committee. Several members noted that, in spite of four (4) committee votes in favor of the name change, the ASHRAE staff is still unaware of the request, which will change the name of the committee from "Desiccant and Sorption Technology" to "Desiccant Dehumidification Equipment and Components." Prof Groll agreed to hand carry two sets of meeting minutes which recorded those votes to the technical staff for further action, and to advise incoming section head Graef of the long-overdue change.
- 8) Subcommittee reports:
  - a. Handbook: Lew Harriman, outgoing Chair, introduced Steve Brickley as the incoming Handbook Subcommittee Chair, and explained the basic liaison procedure from TC 8.12 to the Handbook Committee. Doug Fitts, the liaison between 8.12 and the 2008 Systems & Equipment volume encouraged the committee to review the recently-released 2004 volume to find typos and new topics that need attention in the next revision. He also explained that the committee can provide updates to the electronic edition each year if required or desirable.
  - b. Program: Ed Vineyard, outgoing chair, noted that the committee had scheduled a forum on Wednesday to discuss the need for a procedure for rating the dehumidification performance of air conditioning and dehumidification equipment. The forum is co-sponsored by TC 8.10 (Mechanical Dehumidifiers and Heat Pipes) and will be led by Doug Kosar.

With Vineyard leading the discussion, the committee agreed to sponsor a symposium at the Denver summer 2005 meeting, with the title: "How to Apply Desiccant Dehumidifiers for Energy Savings". Papers will be submitted by Rich Sweetser, Marek Czachorski, Charlie Cromer, and Bill Lull with Steve Brickley. Rich Sweetser agreed to chair the session. Papers will be due to the incoming program chair (as yet unnamed) in early October.

- c. Research: Steve Brickley, outgoing subcommittee chair explained that Steve Slayzak will take over the subcommittee as of the end of the summer meeting. Brickley announced that the RTAR request for a project to establish a calculation procedure for dehumidifier performance at altitude has been approved. The next step is to develop a work statement, which will be handled by Steve Slayzak, Bill Griffiths and himself as the prospective program advisory committee.

Lew Harriman announced that TC 5.11 (Humidifiers) is sponsoring a research project to re-draw the well-known Sterling graphic that show optimal ranges of humidity to minimize negative health effects. The project will be based on the enormous amount of research accomplished since the graphic was first drawn in 1984, and will also attempt to integrate the importance of the moisture content of materials into a graphic which will be as simple to understand and as well-supported as the original graphic. Harriman made a motion in favor of co-sponsoring that research project. The motion was seconded and was carried by a vote of 8-0-0.

Jerry Wurm explained there are new formats for submitting research proposals, and that these must be submitted in electronic form prior to August 1st in order to be considered for funding in 2005. The proposals will be ranked according to several criteria, with the largest weight (45%) given to whether the project supports the ASHRAE strategic research plan. Wurm also noted that traditionally, more than two requests for any committee have difficulty obtaining funding. At the moment, noted Brickley, the funding for research is not quite as tight as in previous years.

- d. Education: In the absence of Bill Worek, the subcommittee chair, Lew Harriman reported that the ASHRAE short course in humidity control design, held on Sunday, was well-attended. According to Harriman, the ASHRAE Learning institute (ALI) is pleased with the demand for education in this area, and has asked for a proposal to generate a one-day professional development course with the same title. Further, the ALI will be experimenting with distance learning in the fall, and has asked Harriman to be the instructor for a web-and-conference-call version of the humidity control design short courses.

Jerry Wurm noted that at present, the ALI and ASHRAE education groups are being combined, and that at present, these educational efforts are not economically self-sustaining. Efforts will be made to solicit donations in addition to attendance fees from those who have an interest in better professional education. Also, the combined committee will be exploring the potential for a full HVAC design curriculum to be provided to colleges and universities. These

efforts reflect the concern of many engineering organizations that current education provided by institutions of higher learning is largely useless in preparing those who must actually design HVAC systems which work reliably and are affordable. Apparently many feel that the real education must begin at the design firms themselves, because the theoretical foundation provided in mechanical engineering curricula simply does not provide productive employees.

ASHRAE Learning Institute (ALI) coordination: Ali Jalalzadeh reported that CDC and ALI would merge and function as one committee under "ALI" starting from the Nashville meeting. He also conveyed the encouragement of ALI to take the previous successful short courses to a higher level, such as Professional Development Series (PDS) and Self Directed Learning (SDL).

- e. Standards: In the absence of Wayne Caudle, subcommittee chair, Steve Brickley reported that progress is slow on the project to draft Standard 174 (Method of Test for Rating Performance of Unitary Desiccant Systems). There are six items that need changes, including the title, purpose and scope of the standard itself. Brickley believes we are a long way from a draft standard at this point.
- f. Membership: Bill Lull and Craig Fillmann (the committee's secretary) have asked to be considered for voting membership.

#### 8) New Business

- a. Jerry Wurm reported that the deadline for submitting nominations for the "Service to ASHRAE Research" award is Sept 30th. After some discussion, the committee was not able to develop a nomination.
- b. Steve Slayzak reported that ASHRAE has established an ad-hoc committee on homeland security, and that the TC might consider what, if any, input we might have to that group in the future.
- c. Steve Slayzak reported that ASHRAE is encouraging the development of a mentoring program to assist the people of Iraq rebuild that country's infrastructure. Details of the program are apparently unknown at present.
- d. Steve Slayzak noted that at present, we have no incoming chair for the program subcommittee. He solicited volunteers for the position, but did not obtain any. He encourages those who want to make a positive difference in the area of desiccant technology to come forward.

#### 10) Old Business:

- a. Jerry Wurm inquired of the status of the resolution passed at the last meeting regarding the lack of response of the Standard 62 committee to TC 8.12's objections to the 62n amendment. Chairman Slayzak advised that the letter of objection had not been prepared as yet, and that he suggested this task would probably fall to the incoming Chair and the new officers of the committee.

11) Motion for adjournment carried 8-0-0. The meeting was adjourned at 4:00pm.