

**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/TG/TRG NO 3.2 DATE June 28, 2010

TC/TG/TRG TITLE System Chemistry

DATE OF MEETING June 28, 2010 LOCATION Albuquerque NM

MEMBERS PRESENT	STATUS	MEMBERS ABSENT	STATUS	MEMBERS ABSENT
Thomas Leck	Chair/VM	Robert Woods	VM	Nandini Mouli CM
Raymond Thomas	VC/VM	Kirsten Ahrenstorf	IM	Fred Polley CM
Danny Halel	Sec/VM			William Walter CM
Rob Yost	SSC/VM	Yanwei Cen	CM	Thomas Watson CM
Stephen Kujak	VM	Richard Cavestri	CM	David Wilson CM
Liz Dixon	RSC/IM	Jorge Cabrera	CM	Xiaomei Yu CM
Sonny Sundaresan	HBC/VM	Charlie Butler	CM	Stephen DeNoia CM
Allen Cohen	VM	James Bouril	CM	
		Chris Bertelo	CM	
Scott Gustafson	ALI/CM	Karim Amrane	CM	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Ken Lilje	PSC/CM	Jay Field	CM	Rosine Rohatgi
Don Schuster	CM	Clinton Finstad	CM	Ray Cohen (Research Liaison)
Dave Vincent	Webmaster	Sunil Nanjundaran	CM	Warren Clough
Eric Newberg	CM	Andrew Gbur	CM	Brett Van Horn
Chris Seeton	CM	John Manselas	CM	Bill Simonsick
Stephen Speltzer	CM	Amy Rice	CM	Ed Hessell
Dale Carr	CM	Donna Bossmann	CM	Umar Khokhar
Robert Doerr	CM	David Bellas	CM	John Hughes
Marc Scancarello	PCM	Dale Carr	CM	
Joe Karnaz	CM	Barry Milward	CM	
Julie Majurin	CM	Tony Min	CM	
Joe Nigro	CM	Katrin Juch	CM	

**DISTRIBUTION**

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

TAC Section Head: Brian Silvetti	
TAC Chair: Brian Becker	
All Committee Liaisons As Shown On TC/TG/TRG Rosters: Don Fenton – RAC Ray Cohen – Research (In attendance)	Douglas Abramson – Standards John Clark – Special Pubs
Manager Of Standards Manager Of Research & Technical Services	Stephanie Reiniche Mike Vaughn
Note: These draft minutes have not been approved and are not the official, approved record until approved by this committee.	

## Call to Order

Tom Leck, Chair, called the meeting to order at 2:15pm on Monday, June 28, 2010. The meeting was held in the Aztec Room of the Albuquerque Convention Center in Albuquerque, NM. After the introduction of members and guests, a quorum was confirmed with 8 members present (including chair) 1 International Members with 1 member absent.

**MOTION #1** A motion was made by Sonny Sundaresan and seconded by Ken Lilje to approve the minutes as written from January 2010 meeting in Orlando, FL.

**MOTION PASSED 9-0-0 CV**

### **Report on TC 3.0 Chair Breakfast Meeting**

- A “Help Wanted” page is now available on the ASHRAE website targeted to the members who serve the local chapters.
- ASHRAE is encouraging its members to use the website, there are many new updates on the website – CHECK IT OUT!!
- The Programs committee has changed the process to submit forums, seminars and symposia.
- The timelines are a little bit different with the new procedures, the Program SC Chair (or anyone for that matter) can attend a training session held on Tuesday of this week.
- If you would like ASHRAE to send to your employer a letter of Thank You, this can be done on the ASHRAE website.
- Hightower Award Nominations are due Sept 1, 2010.

### **Sub-Committee Reports**

#### **Program – Ken Lilje**

Albuquerque  
Programs of Interest  
SEMINAR - 41 Tuesday *Natural Refrigerants*  
SEMINAR – 61 Wednesday *Add Title*

**MOTION #2** A motion was made by Sonny Sundaresan and seconded by Rob Yost to ask the Chair and Program Subcommittee Chair to compose and send a letter to the ASHRAE Tony Giometti asking for his assistance to help us get Programs approved.

**MOTION PASSED 9-0-0-CV**

Background – This TC has submitted two meetings in a row on a Seminar on Fundamentals of CO<sub>2</sub>. We were denied at both meetings.

#### **Future Symposia/Seminar/Forum**

**MOTION #3** A motion was made by Sonny Sundaresan and seconded by Ken Lilje to propose a Seminar for Las Vegas titled *Acid Number and Other Health Indices for System Chemistry* – Chair - Sonny Sundaresan. TC 3.3 will be asked to Co-Sponsor.

**MOTION PASSED – 9-0-0 CV**

#### **Handbook – Sonny Sundaresan**

- The Handbook is complete.
- Sonny would like to thank the Sub-Committee for their work on the Chapter rewrite.
- Unfortunately, ASHRAE was not able to reproduce some of the artwork submitted however, the references are included.

#### **Standards –Rob Yost**

- SPC 175 – “*Metal Pressure Vessel Method to Test Materials Used with Refrigeration Systems*”
  - Joe Karnaz – Chair. Committee members are Alan Cohen, Ken Lilje, Rosine Rohatgi and Chris Seeton. The committee needs another member, they meet at 4:15 pm on Monday Hyatt Board Room North. A few minor issues need to be discussed. It is possible that a draft will be ready by Las Vegas.

- SPC 97-2007 – Sealed Glass Tube Method to Test for Chemical Stability of Materials for Use Within Refrigerant Systems We are waiting for ASHRAE to form the SPC. We have been requested by ASHRAE to provide acknowledgement of our plan.

## **Research – Liz Dixon**

Research Liaison – Ray Cohen

The Research Liaison advised that all of our projects are up-to-date and asked if we had any questions. The MOP for Research Committee has been adopted with a few changes and will be posted on the web in early July. A set of Research Goals have been completed and are available. Funding for Research is very tight.

Sub committee members include: Jay Field, Ken Lilje and Bob Doerr.

TC 3.2, 3.3 and 3.4 meet as a group on Sunday afternoon at 4pm. All interested parties are welcome.

- RTAR 1410 – Effects of System Materials Towards the Breakdown of POE Lubricants and HFC Refrigerants Part 2 – Conditionally accepted for bid by ASHRAE RAC October 2009 Robert Doerr has made changes as requested. Committee includes: Bob Doerr, Jay Field, Joe Karnaz, and Steve Kujak - Chair. The Work Statement is waiting to go to bid waiting for ASHRAE to receive additional Research funding.
- RTAR 1409 – Stability of Candidate Lubricants for CO<sub>2</sub> Refrigeration Systems – Awarded to Spauschus Associates. Work has started and should be complete by August 2010. All tests are complete and the final report will be forthcoming. A draft report was given to the committee for review.

**MOTION #4** - A motion was made by Sonny Sundaresan for TC3.2 to develop a research plan under the direction of Liz Dixon. The motion was not seconded.

## **Webmaster – Dave Vincent**

- The website is up to date and accessible on the ASHRAE website.

## **Membership – Ken Lilje**

Two changes were proposed for the new roster. These changes were made because the existing membership has an abundant number of members roll off in 2011.

The Chair asked for additional members if anyone was interested.

Voting Members – 11 International Members - 1 Corresponding Members – 32

Leadership of the committee as of July 1, 2010:

Tom Leck – Chair

Raymond Thomas – Vice Chair

Danny Harel - Secretary

Sonny Sundaresan – Handbook

Ken Lilje – Program

Rob Yost - Standards

Elizabeth Dixon – Standards

David Vincent – Webmaster

Scott Gustafson - ALI

## **Old Business**

- No old business was brought forth to the committee.

## **New Business**

Our next Meeting will be on Monday, January 31, 2010 in Las Vegas, NV.

## **Adjournment**

**MOTION #5** A motion was made by Steve Kujak and 2<sup>nd</sup> by Sonny Sundaresan to adjourn the meeting at 3:51 pm.