

**AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.**  
 1791 Tullie Circle, NE, Atlanta, GA 30329  
 404-636-8400

TC/TG/TRG MINUTES COVER SHEET

(Minutes of all 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<sup>th</sup>. 2004

TC/TG/TRG TITLE: Refrigerant System Chemistry

DATE OF MEETING: - June 28, 2004

LOCATION: - Nashville, TN

Voting Members Present		Voting Members Absent	
David J. Vincent - Chair Danny Halel - Secretary Robert Yost - Research Chair Jay Field Michael Glenn Lacey Scott Gustafson Frank Nagy Glen L. Steinkoenig  Corresponding members present Robert Doerr Ken Lilje Alan Cohen James Bouril Andrew Gbur David Wilson Ray Thomas		All members present  Corresponding members absent Karim Amrane Yanwei Chen Charlie Butler Gary Dudley Alice Reimer Sonny Sundaresan Finn Broesby-Olsen Clint Finstad Lois Lin Tony Min Cary Haramoto Fred Polley Shelvin Rosen Joel Kerstein Barry Millward Wayne Sumi Horst Thamm Eldon Ward William Walter Motoshi Sunami Tom Watson	
Ex-Officio Members and Additional Attendance			
Bob Woods	Joe Karnaz	Rich Cavestri	Shailesh Sheeh
John Lawler	Curt Slayton	Thomas Leck	David Bellas
Chris Seeton	Rosine Rohatgi		

## **Minutes – TC 3.2 Refrigerant System Chemistry**

David Vincent, Chairman, called the meeting to order at 2:15 p.m. on Monday June 28, 2004. The meeting was held in the Presidential Ballroom A of the Gaylord Opryland Convention Center located in Nashville, TN. After the introduction of members and guests, a quorum was confirmed with 9 members present and 0 absent, 0 additional member arrived after the formal introductions.

A motion was made by Thomas and seconded by Nagy to approve the minutes as written from the Winter ASHRAE meeting held in Anaheim, CA.  
MOTION PASSED 8-0-1 (Chairman voting).

The agenda for the present meeting was approved with no changes.

### **Chairman's Breakfast**

The Chair's for Section 3 got together the following were discussed

- ? CLIMA 2005 Call for Papers Abstracts 300 words or less.
  
- ? 120 programs were requested for Nashville  
90 were scheduled There was a lack of room availability
  
- ? Seminars are now recorded for publication. The speakers must be in the Speakers Lounge 1 hour ahead of the Seminar.  
There are some issues with this, if the speaker wishes to opt out, he/she may.
  
- ? Program deadlines – all on-line Orlando Aug 6, 2004 complete packages. Denver Sept 16 – Tech papers,
  
- ? ASHRAE has hired a website coordinator, he will be handling all website issues.

## **Sub-Committee Reports**

### **Program – Ken Lilje**

#### **Nashville**

Seminar 13 - Contaminant Removal from Air-Conditioning and Refrigeration Systems

#### **Orlando**

Seminar Issues with Alternative Refrigeration Systems – Ken Lilje

A motion made by Steinkoenig and seconded by Lacey co-sponsor a Forum Research Needs for Section 3. Jay will be the TC 3.2 representative on the panel.

### **Handbook - Bob Doerr**

Correspondence between the committee members has started. The deadline for first drafts is Jan. 2005.

Members of the Subcommittee include; Raymond Thomas, Robert Doerr, Chris Seeton, and Ken Lilje.

### **Standards – Rob Yost**

Standard SPC141P

*"Method of Testing Fluorocarbon Refrigerants for Contaminants".*

141 P is in a hold mode

Standard SPC175P

*"Metal Pressure Vessel Method to Test Materials Used with Refrigerant Systems".*

The SPC is working on the draft Joe Karnaz, Glen Steinkoenig, Mike Lacey, Alan Cohen, and Rosine Rohatgi are the committee members. The SPC met in Anaheim has a scheduled meeting immediately following this meeting in the Presidential Rotunda.

### **Research – Glen Steinkoenig**

*The sub-committee consists of Glen Steinkoenig, Jay File, Ken Lilje and Bob Doerr*

*Glen wishes to thank his SC members for their hard work and dedication.*

*1249 WS – Determine the Mechanism for Copper Plating and Methods for its Elimination from HVAC Systems".*

The work statement was returned by ASHRAE. The comments and changes needed look manageable including more justification and better definitions. The SC will re-write and re-submit to RAC. The sub-committee consists of Ken Lilje, Alice Reimer, Jay Field, Bob Doerr and Glenn Steinkoenig.

*RTAR – Physical Properties Measurements of CO2/Lubricant Mixtures written by Mike Lacey*

*Should be handled by TC 3.4. We will look at the TC 3.4 meeting tomorrow*

Priority 2

*RTAR - Stability of Candidate Lubricants for CO2 Refrigeration Systems written by Mike Lacey*

These need to be reviewed and considered by the TC.

Priority 1

*RTAR - Follow Up testing for 1158 RP process chemical compatibility*

Suggestions for other research products:

Surface tension in small channel heat exchangers

ASHRAE has come up with a Research activities plan with this it is the Research SC to match the research of the TC to the plan.

Go to the Research sponsored Forum Tuesday morning *Research Strategic Planning for 2004 and Beyond*

**New Business – Ken Lilje.**

No new business was brought before the committee.

**Adjournment**

The meeting was adjourned at 3:20 pm.

Respectfully submitted

Danny Halel  
ASHRAE TC 3.2 Secretary