

**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 23, 2008

TC/TG/TRG TITLE System Chemistry

DATE OF MEETING JUNE 23, 2008 LOCATION Salt Lake City, UT

MEMBERS PRESENT	STATUS	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Ken Lilje	VM	Mildred Allison	VM	Rich Cavestri Robert Doerr
Tom Leck	VM			Alan Cohen Scott Gustafson
Danny Halel	VM			Curt Slayton Cecily Grzywacz
Rob Yost	VM			Eric Newberg Stephen Spletzer
Jay Field	VM			Chris Seeton David Bellas
Dave Vincent	VM			Steve Pohlman Pat Gilbane
Raymond Thomas	VM			Hewitt Gaudin Doug Gildehaus
Alice Reimer	Int'l Member			Rich Cavestri Umar Khokhar
Frank Nagy	VM			Jose Ramirez Kirsten Ahrenstorf
Sonny Sundaresan	VM			Don Schuster Dale Carr
Joe Karnaz	VM			John Senediak Bob Kaufmann
Liz Dixon	Int'l Member			
Steve Kujak	VM			

DISTRIBUTION

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

TAC Section Head:	Wayne Reedy
TAC Chair:	Eckhard Groll
TAC Vice-Chair:	Patricia Graef
All Committee Liaisons As Shown On TC/TG/TRG Rosters: Don Fenton - RAC Cecily Grzywacz - Handbook	Sam Cummings - Standards Kimball Ferguson - Special Pubs C Brian Wandling - Program Benjamin Crowley - CTTC
Manager Of Standards	Claire Ramspeck
Manager Of Research & Technical Services	Mike Vaughn
Admin Asst - Technical Services	Tara Thomas

Note: "These draft minutes have not been approved and are not the official, approved record until approved by this committee."

Call to Order

Ken Lilje, Chair, called the meeting to order at 2:15 pm on Monday, June 23, 2008. The meeting was held in the Salt Palace Convention Center in Salt Lake City, UT Ball Room G. After the introduction of members and guests, a quorum was confirmed with 11 members present (including chair) with 1 members absent and 2 International Members.

MOTION #1 A motion was made by Dave Vincent and seconded by Rob Yost to approve the minutes from January 2008 meeting in New York City with minor spelling corrections.

The motion passed 12-0-0 CNV

Report on TC 3.0 Chair Breakfast Meeting

- The current program committee is being dissolved, this includes the program liaisons. A new committee is being formed called the CEC (Conference and Exposition Committee). This will require the uploading of seminar presentations 24 hours before seminar presentation time.
- Research – our new liaison Piotr Domanski is being reassigned our new liaison is Professor Ray Cohen.
- An ASHRAE Strategic Plan has been released, it covers all of the TC requirements for Research and RTAR's.
- ASHRAE is encouraging more "Fellow" submittals.

Sub-Committee Reports

Program – Ken Lilje for Mildred

Seminar 31 "Lubrication of Variable Speed Compressors"
Monday morning 9:45 am in Ballroom C of the Salt Palace Convention Center

Poster session

- Determine the Mechanism for Copper Plating and Methods for the Elimination from HVAC Systems - Robert Kaufmann
- Partitioning of Non-Condensable Gases in Refrigerant Liquid and Vapor Phases – Richard Cavestri

Symposia/Seminar/Forum

- From New York City Joe Karnaz was going to Chair "A History of System Chemistry" in Salt Lake unfortunately there were not enough speakers. A Seminar on the "History of Contaminant Control" is being sponsored by TC3.3. If we have speakers we can piggyback with this.
- Issues with CO2 Refrigeration – Danny Halel in Chicago. The Refrigeration Committee is sponsoring 2 seminars in Chicago on this subject they have 6 maybe 7 speakers. Keep in the program for Louisville.
- Issues with Total Acid Number – Sonny Sundaesan in Chicago. Sonny will continue to look for speakers to fill the slate. All submittals must be submitted by August 3, 2008.

Handbook – Sonny Sundaesan

Handbook Liaison Cecily Grzywacz

- The suggestion is to have the Chapter completed by Chicago however, the actual due date is June, 2009.
- Authors should use the Handbook Portal, all necessary documents are posted there.
- Sustainability must be considered.
- Design Checklists are also required.
- The CD version is due February 2009.
- Training for Handbook Chairs is scheduled for Sunday 8 am to 9 am in Chicago.
- There may also be submitted comments on the College of Fellows website that need to be addressed in the Handbook rewrite.

Sonny Sundaesan is the Handbook Chair and is working on the rewrite. He is looking for subcommittee members.

Standards – Rob Yost

- SPC 141P – “Method of Testing Fluorocarbon Refrigerants for Contaminants”
 - We are waiting for official word from ASHRAE that we drop it from the Agenda of TC 3.2. The official word has been received and it has been dropped
- SPC 175P – “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 meets at 4:15 pm following the TC meeting and is working on the final draft of the document.

Research – Liz Dixon

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 people are welcome.

There was a Research Subcommittee Chair Breakfast held on Monday Morning.

Subjects covered included:

- Need to go to ASHRAE website. Research manual complete on website
 - Work Statement authors are now capable of bidding on the work statement, there are special rules that need to be followed.
 - Research reports are now available on line and free to ASHRAE members.
- RP 1249 – Determine the Mechanism for Copper Plating and Methods for its Elimination from HVAC Systems. This project is complete.
 - RTAR 1410 – Effects of System Materials Towards the Breakdown of POE Lubricants and HFC Refrigerants Part 2 – This RTAR was accepted! Work statements are being completed RTAR 1410’s committee includes: Bob Doerr, Jay Field, Joe Karnaz, and Steve Kujak - Chair. The committee will continue to prepare the work statement.
 - RTAR 1409 – Stability of Candidate Lubricants for CO₂ Refrigeration Systems – This RTAR was accepted! Work statements is near complete. RTAR 1409’s committee includes: Scott Gustafson, Chris Seeton, Dale Carr, Liz Dixon and Sonny Sundaresan. When the RTAR is complete the TC must vote (letter ballot, depending on timing) on the RTAR before submittal to ASHRAE. Liz will submit the RTAR when it is approved.

Webmaster – Dave Vincent

- The website is up to date and the link works. He continues to try to get the website on the ASHRAE server.

Membership – Ken Lilje

- Ken reviewed the new roster to take effect on July 1, 2008.

Voting Members – 8 International Members - 1 Corresponding Members – 32

Tom Leck – Chair

Raymond Thomas – Vice Chair

Danny Halel - 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 before the committee.

New Business

- If you would like to have your manager or company receive a letter from ASHRAE thanking you for service.
- The committee would like to thank Ken Lilje for his service as Chairman of TC 3.2, a round of applause was given for his service.

Adjournment

- A motion was made by Tom Leck and 2nd by Robert Yost to adjourn the meeting at 3:28pm.

Respectfully submitted,

Danny Halel
Secretary TC 3.2