

Technical Committee 4.3 Ventilation Requirements & Infiltration

1999 ASHRAE Annual Meeting in Seattle

Subcommittee Meetings:

Research: Monday, 2:15 PM to 4:00 PM, CC/309

Program: Sunday, 5:00 PM to ~6:00 PM, CC/202

Handbook: Sunday, ~6:00 PM to 8:00 PM, CC/202

Standards: None. Contact Max Sherman to volunteer.

Honors: None. Contact Gren Yuill to volunteer.

AGENDA FOR THE GENERAL TC 4.3 MEETING Monday, 4:15 PM to 6:30 PM, CC/309

1. Self Introductions

Voting members please sit at the table

All please sign the attendance list

Voting and corresponding members: please check your contact information

2. Quorum Check

Voting members for this meeting:

**Rock, Wray, Adeni, Cardenal, Liddament (IM), Boome, Janssen, Ratcliff,
Shah, Taylor, Walker, Weston, Yuill. (12+1 IM, simple majority=7, super=9,
membership subject to revision)**

3. Additions to the Agenda

4. Approval of the Last Meeting's Minutes

5. Announcements & Society Liaisons

TC 4.3's web pages on a new server at

<http://hvac.arce.ukans.edu/ashrae/tc4.03/main.htm>

TC Section Meeting

TAC, RAC, Program, Handbook, and Standards Liaisons

6. Subcommittee Reports

a. Research (Craig Wray):

Completed Projects:

RP-805 "Influence of Architectural Screens on Rooftop HVAC Equipment"

RP-806 "Design Criteria for Building Ventilation Air Inlets"

Ongoing Project:

RP-763 "Impact of High Use Automatic Doors on Infiltration"

Research Plan:

- 1) "The Effect of Ganging on Pollutant Dispersion from Building Exhaust Stacks" (RAC PP twice!)
- 2) "Heat Transfer During Residential Infiltration/Exfiltration"
- 3) "Exhaust Contamination of Hidden vs. Visible Air Intakes"
- 4) "Occupant and Building Factors for Determining Ventilation Rates"
- 5) "Air Ventilation, Air Leakage, and IAQ in Elementary Schools"
- 6) "Characterization of Infiltration and Ventilation in Multifamily Buildings"

Unsolicited Research Proposals (URPs):

Any?

b. Program (Theresa Weston):

Chicago: comments

Seattle: Forum 6 on 62.2, Syposium SE-99-11 on Residential issues

Dallas:

Minneapolis:

Atlanta:

Cincinnati:

c. Handbook (Mike Ratcliff):

Building Air Intake and Exhaust Design chapter for the 1999 Applications volume

Airflow Around Buildings chapter for 2001 Fundamentals volume

Ventilation and Infiltration chapter for 2001 Fundamentals volume

d. Standards (Max Sherman):

TC 4.3 is the cognizant TC for:

62-1989/SSPC 62.1, *Ventilation for/and Acceptable IAQ (in Commercial, Institutional and High-Rise Residential Buildings)*

SPC 62.2P, *Ventilation and Acceptable IAQ in Low-Rise Residential Buildings*

119-1988 (RA94), *Air Leakage Performance for Detached Single-Family Residential Buildings*

136-1993, *A Method of Determining Air Change Rates in Detached Dwellings*, (becoming part of 62.2)

SPC 161P (CoC, TC 9.3 is Lead), *Air Quality Within Commercial Aircraft*

Others of interest:

129-1997 (TC 5.3), *Measuring Air Change Effectiveness*

SPC 152P (TC 6.3), *MOT ... Residential Thermal Distribution Systems*

e. Honors (Gren Yuill):

Membership upgrades (associate member to member, fellow, life, ...)

Distinguished Service Award (DSA) (15 pts.) and Exceptional Service Award (45 pts.)

Other honors & awards available?

7. Old Business

TC 4.3's scope revision submitted, approved by TAC? 8. New Business

Encourage others to participate in TC 4.3's subcommittee work

Voting members after this meeting (subject to revision): Rock, Wray, Adeni, Ratcliff, Weston, Cardenal, Feustel (IM), Liddament (IM), McIvor, Petersen, Shah, Taylor, Walker

9. Adjourn

Next TC 4.3 meeting at the 2000 ASHRAE Winter Meeting, Dallas, February 5-9, 2000

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Revised: May 12, 1999