

**ASHRAE Technical Committee 4.3: Ventilation Requirements & Infiltration
2003 WINTER MEETING AGENDA**

Monday, January 27, 2003, 4:15-6:30 pm
Palmer House Hilton (PHH) Burnham 4 (7th floor)

Subcommittee Meetings:

Handbook: Sunday, 5:00-6:00 pm, PHH Sandburg 3 (7th floor)

Program: Sunday, 6:00-7:00 pm, PHH Sandburg 3 (7th floor)

Research: Monday, 2:15-4:15 pm, PHH Burnham 4 (7th floor)

1. Self Introductions

- Voting members please sit at the table
- All please sign the attendance list, and include your contact data
- TC web site: <http://hvac.arce.ukans.edu/ashrae/tc4.03/main.htm>

2. Attendance & Quorum Check

Voting members for this meeting: *Boome, Emmerich, Lstiburek, McIvor, Petersen, Ratcliff, Reardon, Rock, Taylor, Weston, Wray, Zhang, Feustel (IM), Olesen (IM)*
(quorum > 1/2 all VM, excl. IM; super maj. $\geq 2/3$ VM present; simple maj. > 1/2 VM present)

3. Approval of Honolulu Meeting Minutes (posted at TC web site)

4. Announcements & Liaisons

- Society liaisons (TAC, RAC, Handbook, etc.)
- Section 4 meeting announcements (*Wray*)
- ALI: ASHRAE Learning Institute (*Boome*)
- EHC: Environmental Health Committee (*Cardenal*)
- ARTI: Air-Conditioning & Refrigeration Technology Institute (*Persily*)

5. Subcommittee Reports

a. Research (*Reardon*):

- Active Research:
 - “Exhaust Contamination of Hidden vs. Visible Intakes”
1168-RP (PMS: *Walker/Ratcliff/Zhang*)
 - “Heat Transfer During Residential Infiltration/Exfiltration”
1169-RP (PMS: *Reardon/Griffiths/Medina*)
- Long-Range Research Plan (LRRP):
 - 1) “The Effect of Ganging on Pollutant Dispersion from Building Exhaust Stacks”
1167-WS (PES: *Chen/Kato/Ratcliff*)
 - 2) “Multiple Space Effects on Ventilation System Efficiency in Standard 62”
1276-WS (PES: *Taylor/Wray/Reardon*)
 - 3) “Dilution and Normalized Concentration Design Criteria for Laboratory Exhaust”
(*Petersen*)
 - 4) “Minimum Acceptable Dilution of Non-Laboratory Exhaust”
(*Carter/Cardenal/Ratcliff/Wyon*)
 - 5) “Simplified Procedure for Calculating Exhaust/Intake Separation Distances”
(*Wilson/Taylor/Carter/Petersen*)
 - 6) “Occupant and Building Factors for Determining Ventilation Rates in Offices”
(*Taylor/Fisk*)
 - 7) “Characterization of Infiltration and Ventilation in Mid- and High-Rise Multifamily Buildings” (*Reardon/Hill*)

- Cosponsored Research: TC 2.1, TC 4.10, TC 9.10 (*Reardon*)
 - Ventilation requirement and infiltration issues in hot/humid climates (*Zhang*)
 - New research ideas to the Subcommittee's Chair
- b. Program (*Weston*):
- Future sites:
 - Symposia: Ventilation Performance in Mid- & High-Rise Residential Buildings; Airflow around Buildings and Wind Pressure Effects - Avoiding Fume Reentry; Vent. & IAQ in Daycare Centers, Infiltration Heat Recovery
 - Seminars: Residential Ventilation System Design; Exhaust Design Criteria; ETS Control
 - Forums: 62.1 & 62.2 Issues; Handbook Revisions
 - New program ideas to the Subcommittee's Chair
- c. Handbook (*Ratcliff*):
- Society-wide Handbook series rewrite
 - Building Air Intake and Exhaust Design, 2003 Applications (*Ratcliff*)
 - Airflow Around Buildings, 2005 Fundamentals (*Petersen*)
 - Ventilation and Infiltration, 2005 Fundamentals (*Walker*)
 - ALI "Building Air Intake and Exhaust Design" Course Outline (*Petersen/Boome*)
 - New chapter ideas to the Subcommittee's Chair
- d. Standards (*Emmerich*):
- TC 4.3 is the cognizant TC for:
 - 62-2001/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 (RA01), A Method of Determining Air Change Rates in Detached Dwellings
 - 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
 - New standards ideas to the Subcommittee's Chair
- e. Honors (*Cardenal*):
- Membership upgrades (associate member to member, fellow, life, ...)
 - Distinguished Service Award (15 pts.), Exceptional Service Award (45 pts.)
 - Other honors & awards

6. Old Business

- Technical Bulletins/FAQs (*McIvor*)
- Encouraging additional participation in subcommittee activities

7. New Business

- 2003-2004 Roster Changes (need updated member biographies at ASHRAE website)

8. Adjourn

- Next meeting: June 30, 2003, ASHRAE Annual Meeting, Hyatt Regency and Westin, Kansas City, Missouri