



Notes from thin air....

January 2006

Volume 8 Issue 5

## PIKES PEAK CHAPTER ASHRAE NEWSLETTER

<http://www.pikespeakashrae.net/>

### PRESIDENT'S MESSAGE

By Ken Merola

Is altruism the only motivator of the volunteer? Or are there just self-serving incentives to volunteer such as networking with individuals who share similar interests and goals, fulfilling job requirements, or just plain socializing? Perhaps the inspiration for some is just the simple desire to contribute to a better society through Habitat for Humanity, Special Olympics, United Way, etc.

Even with fewer volunteers, less money, and less overall time than larger chapters such as Denver or Kansas City ASHRAE chapters, we aim to provide equivalent high caliber programs and seminars featuring ASHRAE Distinguished lecturers and field experts. Nevertheless, our chapter volunteers are spread thin and need help. So even if none of your new year's resolutions concerned volunteering, I still would like to offer some ideas in case you would like to offer a little of your time:

- CTTC code review subcommittee
- February Technical seminar arrangements
- National Engineer's Week K-12 student presentations
- Resource Promotion Chair position will vacate in July
- BOG Secretary will also vacate in July
- Scholarship Fund subcommittee
- CTTC plant tour arrangements
- Design Award submissions
- CRC 2007 subcommittees
- CRC 2007 Golf Tournament
- Spring & Fall Golf Tournament volunteers

Thanks to those who have already volunteered one of their most valuable assets, their time. Among those who I want to thank that have made

a significant commitment of time and energy to our chapter include:

- To Jim & Paula Cain, Roy & Sherry Neese, Bob & Diane Cleaver, and Christopher Cain for another successful Christmas party
- To Colorado College for the use of the Women's Club
- to Bob Cleaver for his work on the Scholarship application
- to John Reis' continuing preparations for the upcoming 2007 CRC
- to Roger Lemmon, Stephen Roitsch and Gary Leffingwell for working on a prescriptive solution for an effective toilet exhaust / ventilation code review method
- to Treasurer Bethany Trumble for bookkeeping 2 straight years
- to Dan Yaeger & Neil Case for maintaining a high level of CTTC programs
- to webmaster Coy Brandenburg and newsletter editor Jeremy O'Brien
- to all of the other unnamed volunteers and the BOG for presidential guidance

Rewards for volunteering time are both intangible and immeasurable. It is natural for engineering types to analyze whether the benefits will be worth the effort, but you are the only person who can answer that question for yourself. Don't hesitate to call me at 719.590.9194 ext 213 if you are the least bit interested in supporting our chapter with your time.

This month we are pleased to welcome Aaron Nahale, President of Setpoint Systems, speaking about the integration of building automation systems with other facility systems such as data,

security and fire protection. Aaron entitles his presentation "Level 1 2 & 3 integration; Vertical and Horizontal Convergence from the Boiler Room to the Board Room". Don't forget to mark your calendars for the upcoming Technical Seminar featuring ASHRAE Distinguished Lecturer Dan Int-Hout on February 24<sup>th</sup>. His topics will include acoustic considerations in air distributions design and LEED ver 2.2 IEQ issues. All net proceeds will support our new scholarship fund.

I look forward to seeing you there!

## LUNCH MEETINGS

**Next Meeting is:  
Thursday – January 19, 2006**

**Giuseppe's Old Depot Restaurant**

**11:30 a.m. – 1:00 p.m.**

**10 S. Sierra Madre Downtown**

**Cost: \$18 advance/on-line, \$20 at door**

<http://www.pikespeakashrae.net/store/index2.htm>

**Program: Integration of Building  
Automation Systems**

**Guest Speaker: Aaron Nahale**

**Please RSVP to: Dan Yaeger**

[Programs@pikespeakashrae.net](mailto:Programs@pikespeakashrae.net)

## STORY OF THE MONTH

### **Study Says U.S. Engineers Undercounted**

The United States graduates more engineers annually than typically reported in the press, while the number of engineering graduates in India and China may be overstated. Researchers at Duke University reported Dec. 12 that about 225,925 engineers graduate from American universities annually, about three times the number typically cited by the National Academies and the media. The researchers said that the numbers of Chinese and Indian engineering graduates may be inflated because these countries' figures included three-year training programs and diploma holders in

addition to four-year degrees. U.S. figures only included graduates with accredited four-year engineering degrees.

[Story link](#)

## Notes From ACCA

January ACCA monthly meeting notes:

- New inspection fee schedule effective January 3, 2006 is available online at [www.pprbd.org](http://www.pprbd.org)
- PPRBD set a record for residential permits in 2005: 5314 single dwelling detached and 900 town homes.
- \$1.47 Billion dollars of construction came through PPRBD last year in the form of permits.
- PPRBD projects an increase in budget for 2006 of 17%. Large home builders are anticipating an increase in construction between 15%-20%. Thus, anticipate commercial construction to increase as well.
- PPRBD will be hiring 4 new mechanical inspectors in 2006. They will be dividing the mechanical inspection department into two traditional trades: mechanical and plumbing. Thus there will be separate mechanical and plumbing inspectors accordingly. PPRBD is currently in the search for a plumbing inspector supervisor to oversee all plumbing inspectors.
- One of Rolf's and PPRBD's goals for 2006 is to continue into the research and eventual implementation of electronic signatures for plans review. Their goal is to make plans review a dynamic, interactive procedure with the construction and A/E industries as opposed to the more simpler, static electronic (.PDF's) style plans review seen in other parts of the country. More to follow.
- Bob Croft will be preparing a seminar sometime the first of the year on the new building code. Date to be determined.
- Work is still being performed regarding the bathroom exhaust and ventilation requirements between PPMCA, ASHRAE, and PPRBD. Bob Croft was not available at today's meeting to address any updates.
- PPRBD wants to remind engineers that Fire Alarm and Fire Protection designers/engineers must be registered PPRBD before submitting construction plans for review.

## Board of Governors and Chapter Operations Roster

Ken Merola, President	<a href="mailto:President@pikespeakashrae.net">President@pikespeakashrae.net</a>
Gary Leffingwell, Vice-President	<a href="mailto:VicePresident@pikespeakashrae.net">VicePresident@pikespeakashrae.net</a>
Bethany Trumble, Treasurer	<a href="mailto:Treasurer@pikespeakashrae.net">Treasurer@pikespeakashrae.net</a>
John Schoffstall, Secretary	<a href="mailto:Secretary@pikespeakashrae.net">Secretary@pikespeakashrae.net</a>
Dan Yeager, CTTC Chair	<a href="mailto:Programs@pikespeakashrae.net">Programs@pikespeakashrae.net</a>
Mike Mendenhall, Membership Chair	<a href="mailto:Membership@pikespeakashrae.net">Membership@pikespeakashrae.net</a>
Bob Cleaver, Student Activities Chair	<a href="mailto:Students@pikespeakashrae.net">Students@pikespeakashrae.net</a>
Jim Cain, Resource Promotion Chair	<a href="mailto:Resource@pikespeakashrae.net">Resource@pikespeakashrae.net</a>
Coy Brandenburg, Webmaster & Activities	<a href="mailto:webmaster@pikespeakashrae.net">webmaster@pikespeakashrae.net</a>
Stephen Roitsch, ACCA Rep & Chapter Librarian	
Roy Neese, Historian & 2007 CRC Co-chair	
John Reis, 2007 CRC Co-chair	
Neil Case, CTTC	
Jarett Dollyhigh, Past President, CTTC	
Ron Riggs, Activities Committee	
Roger Lemmon, CTTC Code Subcommittee Chair	
Jeremy O'Brien, Newsletter Editor	



Attend the ASHRAE 2006 Winter Meeting  
and AHR Expo Jan. 21-25, 2006 in Chicago!

Visit [www.ASHRAE.org](http://www.ASHRAE.org) for more details.

## Membership Grades

ASHRAE membership is open to any person associated with heating, ventilation, air conditioning or refrigeration. ASHRAE is unique because its membership is drawn from a wide range of disciplines relating to the HVAC&R field. Approximately 50,000 individuals from more than 100 nations belong to the Society. Among them are students, consulting engineers, mechanical contractors, building owners, and employees of manufacturing companies, educational institutions, research organizations, government or any organization concerned with environmental control. Members range from students to longtime engineers and professionals in other related disciplines such as architecture and medical research. The Society has four grades of membership that are awarded to applicants based on their experience and participation in the industry. A brief description of the grades is shown below. For more detailed information on each grade, click on the grade link below.

**Member** — The grade of Member is awarded to individuals who have twelve or more years of qualified industry-related experience. Credit for industry related experience can be earned from any combination of approved education, work experience and professional registration.

**Associate Member** — The Associate Member grade is awarded to individuals who have less than twelve years of ASHRAE-approved industry experience in the heating, refrigerating, air-conditioning, or ventilating fields.

**Affiliate Member** — ASHRAE's newest grade is an introductory grade for applicants with a general interest in the Society's programs and services. Assignment to this grade is limited to those who are under 30 years of age who are first-time new members.

**Student Member** — To qualify as a student member you must be studying or have an interest in an HVAC&R industry-related field. Eligible students must be participating in an approved course of study in a university, college, junior college, or technical institute.

## **BRING A PROSPECTIVE NEW MEMBER TO LUNCH DAY MEETING!!!!!!**

The February 19<sup>th</sup>, 2005 lunch meeting is scheduled for all members to bring any friends or business associates that are interested in joining ASHRAE Pikes Peak Chapter. The chapter will pay for the prospective member's lunch. Please RSVP the new members name to Mike Mendenhall – Membership Chair at [mendenhall@jlhermon.com](mailto:mendenhall@jlhermon.com).

Let's see if we can add some new blood to our chapter!

## Pikes Peak ASHRAE Technical Seminar

**SEMINAR:** "ACOUSTIC ENVIRONMENT & IEQ FOR LEED v2.2" sponsored by the Pikes Peak Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**DATE:** Friday, February 24, 2006 9:30 – 2 p.m. including lunch  
(registration starts at 9 a.m.)

**LOCATION:** Tesla Center Educational Opportunity Center  
2560 International Circle (off Printers Parkway)  
Colorado Springs, Colorado 80910

**SPEAKER:** **DAN INT-HOUT III, ASHRAE Distinguished Lecturer**

Mr. Int-Hout, Chief Engineer, Krueger, is responsible for the presentation of technical data and advanced application engineering for the Grilles, Registers and Diffusers, as well as the VAV air terminals, produced by Krueger. Mr. Int-Hout originally joined Krueger in 1981, but has had several other jobs in the industry, in engineering, marketing and product research roles, with Owens Corning Fiberglas, Carrier, Titus and Environmental Technologies. Mr. Int-Hout has been in the air distribution research and design business since 1973, has a Masters degree in Business Management from Central Michigan University, and a Bachelors degree in Biology and Physics from Denison University.

Mr. Int-Hout has written over thirty technical papers and articles on VAV system performance, acoustics, air diffusion, controls and occupant comfort. He was recently Chairman of both ASHRAE Technical and Standards Committees on Thermal Comfort, is a past Chairman of several other related ASHRAE Technical and Standards Committees, as well as ASHRAE Standards and Environmental Health and Technical Activities Committees. He received the ASHRAE Distinguished Service Award in 1993. He is currently the Chairman of the ARI Committee on Applied Acoustics (885) and Chair of ISO 205 U.S. Panel on Thermal Comfort.

**COST:** \$60 (includes lunch) 10% discount to companies with 4 or more attendees  
All proceeds go to the Pikes Peak ASHRAE SCHOLARSHIP FUND

**CONTACT:** [Programs@pikespeakashrae.net](mailto:Programs@pikespeakashrae.net) or [President@pikespeakashrae.net](mailto:President@pikespeakashrae.net)

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