



Notes from thin air....

March 2006

Volume 8 Issue 7

## PIKES PEAK CHAPTER ASHRAE NEWSLETTER

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

### PRESIDENT'S MESSAGE

By Ken Merola

Sometimes the key to a good engineering solution is knowing where to look for the answer. And whenever the question may be posed by a client, we may recall a solution from a luncheon program attended or a magazine article read. So allow me to recapitulate (recap) the 2005-2006 Pikes Peak chapter programs and events offered to our membership thus far:

C September: Ram Narayanamurthy, Director of Product Development for Ice Energy Labs on small commercial and large residential thermal storage systems

C October: Bob Croft / PPRBD on the IBC adoption process status

C November: ASHRAE Distinguished Lecturer Ed Fronapfel of Professional Investigative Engineering on radiant system thermography, and ASHRAE Region IX Director and Regional Chair Dave Olson's update

C December: annual Christmas party at the Colorado College Women's Club

C January: Aaron Nahale, President of Setpoint Systems, on the integration of building automation systems with other facility systems

C February: Rick Boers of Honeywell on Boiler Safety controls

C National Engineers Week: Technical Seminar featuring ASHRAE Distinguished Lecturer Dan Int-Hout on Designing for Occupant Acceptance, thermal comfort, diffuser selection, IAQ, VAV boxes, acoustics, and UFAD

And what's coming up?

C March 16<sup>th</sup> (this week): Dan Stark of Phoenix Control Valves on Ensuring Environmental Integrity in Critical Airflow Control Projects focusing on basic design considerations for laboratory, bio-safety, vivarium and health care facilities.

C April 10<sup>th</sup>: Society President Lee Burgett visits Colorado for a breakfast meeting with the Pikes peak & Rocky Mountain chapters

C April 20<sup>th</sup>: Chuck Polaski of Invensys on control valve applications

C May meeting: SMACNA joint meeting at new apprentice training facility featuring BBQ & beer

C May Plant Tour: we're still working on the details – any volunteers?

Thanks to those who participated in the engineering career presentation at D11's Irving Middle School during National Engineers Week.

I want to conclude with a quote from the smartest person on earth (quantified by her IQ of 228) Marilyn vos Savant: "Everyone knows we need school teachers and nurses, and we all love to recognize the individual genius - philosopher or mathematician. But the occupational group most responsible for modern society is **engineers**, who should win a 'most underappreciated' award."

Remember this month's luncheon program is this Thursday (February was a short month).

I look forward to seeing you there!

## LUNCH MEETINGS

**Next Meeting is:  
Thursday – March 16, 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: Ensuring Environmental Integrity  
in Critical Airflow Control Projects**

**Guest Speaker: Dan Stark**

**Please RSVP to: Dan Yaeger**

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

## SPEAKER OF THE MONTH BIO

Dan Stark – Air Purification Company

BSME '83 - University of Colorado  
22 years with Air Purification Company, a  
manufacturers representative firm serving  
Colorado and Wyoming since 1952  
President - Air Purification Company  
19 years experience in laboratory and critical  
airflow control representing Phoenix Controls  
Corporation Certified sales and field service  
technician - Phoenix Controls Corporation

## STORY OF THE MONTH

**Ventilated Automobile Seats Improve Fuel  
Economy, Thermal Comfort, Says DOE Study**

GOLDEN, Colo.—Ventilated automobile seats can improve passenger comfort and a vehicle's fuel economy, according to a report by the U.S. Department of Energy's National Renewable Energy Laboratory (NREL). This is because ventilated seats keep drivers and passengers cooler, so they need less air conditioning to be comfortable. "If all passenger vehicles had ventilated seats, we estimate that there could be a 7.5% reduction in national air-conditioning fuel use," said John Rugh, project leader for NREL's Vehicle Ancillary Loads Reduction Project.

[http://www.nrel.gov/news/press/2006/0806\\_auto\\_seats.html](http://www.nrel.gov/news/press/2006/0806_auto_seats.html)

## ASHRAE NEWS

Sustainability Focus of ASHRAE Satellite Broadcast

ATLANTA – Registration opens today for ASHRAE's satellite broadcast on sustainability and the building environment.

Information about building sustainability principles, practices and emerging concepts will be presented in the free April 19, 2006, satellite broadcast and Webcast, Sustainability and the Building Environment. The program will take place from 1-4 p.m. EDT.

Registration opens today for satellite broadcast site coordinators and Webcast participants. Registration opens March 15 for satellite broadcast site participants. To register or for more information, visit [www.ashrae.org/greenbuildingsbroadcast](http://www.ashrae.org/greenbuildingsbroadcast).

The speakers for the broadcast will provide guidance on how to practice sustainable building design. They are:

- Joe Van Belleghem, partner, Windmill Developments, Victoria, Canada, Green Buildings and Sustainable Communities – A Developer's Perspective;
- Hal Levin, Fellow ASHRAE, research architect, Building Ecology Research Group, Santa Cruz, Calif., Sustainability: What Does It Mean and Why is It Important ;
- Jean Lupinacci, director, ENERGY STAR commercial and industrial branch, Climate Protection Partnerships Division, U.S. Environmental Protection Agency, If It's Not Energy Efficiency, It's Not Sustainable: How to Ensure Top Energy Performance in Green Buildings;
- Kevin Hydes, P.E., P.Eng., vice president, Sustainable Practice, Stantec, Montreal, Canada, Better by Design: Project Studies;
- Malcolm Lewis, Ph.D., P.E., president, CTG Energetics, Irvine, Calif., Integrated Design for Sustainable Buildings.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

# HELP WANTED

## POSITIONS AVAILABLE MECHANICAL AND ELECTRICAL ENGINEERING



M-E ENGINEERS has several openings for Mechanical, Electrical, and Plumbing Engineers, CADD technicians, and specialized marketing and support staff. Positions are available for offices in Colorado Springs, Denver, Los Angeles, Vail Valley, London, New York, and San Diego. Experience should include working on projects related to commercial, industrial, educational, medical, institutional, residential, and sports and entertainment building systems. Experience in Commissioning, LEED projects, Project Management, and sustainable design a plus. Send or fax resume to: M-E ENGINEERS, 3425 AUSTIN BLUFFS PARKWAY SUITE 201 COLORADO SPRINGS CO 80918. FAX # (719) 536-0037. email to jobs@mesprings.com

## **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 Yaeger, 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             |  |

## 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.

# **START GEARING UP FOR THE SPRING GOLF TOURNAMENT!**

**REGISTRATION HAS BEGUN ON THE WEBSITE.**

**FRIDAY MAY 19, 2006 @ WALKING STICK GOLF COURSE IN PUEBLO, CO**

**MORE TO COME IN THE UPCOMING MONTHS!!!!!!**

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