

# THE HOT AIR DIFFUSER IDAHO CHAPTER NEWSLETTER

SEPTEMBER 2009

VOLUME 16 ISSUE 1



## IDAHO ASHRAE CHAPTER BOARD

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Secretary—Cameron Sprinkel  
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Historian—Steve Hardy

Resource Promotion—Scott Mackay  
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Publicity—Michael Grefenson  
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## PRESIDENT'S MESSAGE

Hello Idaho ASHRAE members,

As we enter a new ASHRAE year, there are many things that should provide our members with excitement. Along with an excellent tour to kickoff our monthly chapter meetings, the board is planning several fun activities and an assortment of exceptional speakers and programs. Over the past several years we have had a decrease in attendance. The board has recognized this and will take action to persuade more attendance at all local meetings. To do so, the Idaho chapter will continue to host an annual golf tournament and technical session which have been popular events in the past, but will also add a “social” night to allow more interaction between members and upcoming professionals. Our hope is to bring in young professionals, students, and seasoned members together to share thoughts and ideas about the future of our industry.

I want to personally encourage every member to become more involved and provide suggestions or critiques to myself or anyone else on the BOG. The chapter can get better and improve with this type of communication. Getting involved in the Idaho chapter or at the society level of ASHRAE can be very beneficial. Volunteering allows people to network, learn about established and emerging industry standards, and provide input on how the HVAC industry is shaped for future generations.

In conclusion, I want to welcome everyone back for another great year and thank all Idaho ASHRAE members for supporting your local chapter and everyone on the board of governors for the help with planning and setting up all of our upcoming events.

Spencer Shepard, PE  
President  
Idaho Chapter ASHRAE

## SEPTEMBER PROGRAM

**1ST ASHRAE TOUR OF THE YEAR!  
(SEE ATTACHEMENT)**

**WHEN: FRIDAY, September 11, 2009  
11AM-NOON, NOON-1PM**

**WHERE: New FAA Tower at the Boise  
Airport**

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## Sabol & Rice of Idaho

MANUFACTURER'S REPRESENTATIVE  
PHONE: (208) 362-7910 • FAX: (208) 362-7920  
11770 W. PRESIDENT DRIVE • SUITE A  
BOISE, IDAHO 83713

### ACCESS DOORS

ACUDOR - Duct, Architectural and Fire Rated Access Doors  
NAILOR - Duct and Fire Rated Access Doors

### AIR CONDITIONERS/HEAT PUMPS

ESSICKS - Evaporative Cooling Solutions  
RETROAIRE - Replacement Package Terminal Air Conditioners  
and Heat Pumps  
\*SPACEPAK - High Velocity Central A/C System

### AIR DISTRIBUTION

AIROLITE - Louvers, Perforates  
AJ MANUFACTURING - Stainless Grilles & Diffusers  
AMERICAN WARMING - Industrial Dampers  
\*NAILOR - Grilles, Diffusers, VAV Boxes, Dampers  
WESTERN CANWELL - Ridge Ventilators

### AIR DUCT

\*FLEXMASTER USA - Insulated, Acoustic Flex Duct

### AIR HANDLERS

\*ESSICK - Evaporative Coolers  
\*HASTINGS - Duct Furnaces, Make-up Air  
RAPID - Gas-Fired Make-up Air and Evap. Cooling  
SEASONS 4 - Custom-built HVAC specialty equipment and direct  
replacement of existing multi-speed, single speed indoor and roof top units.  
WESTAIRE - Indirect/Direct Evap. Coolers

### AIR MONITORS

AIRTEST - Gas Monitors and Transmitters

### AIR / WATER FILTRATION

FLANDERS - Filters (Bag, Cartridge, HEPA), Housings  
PEP FILTRATION - Commercial and Industrial Filtration  
PUROFLUX - Process and Cooling Water Filtration Systems  
STERVENT - Dust Collectors

### BOILERS/BURNERS

CHROMOLOX - Electric Boilers and Steam Generators  
PARKER BOILER - Flexible Tube Boilers  
WEBSTER - Forced Draft Burners  
WEIL MCCLAIN - Boilers for every application, with unmatched reliability.

### COMPRESSORS

\*KAESER - 3-600 HP Rotary Screw

### CRITICAL AIRFLOW CONTROLS

TEK -AIR - Airflow Measurement and Control for Indoor  
Air Quality and Energy Consumption

### ENCLOSURES

SPINNAKER - Rooftop Screening Systems, Welded Wire Partition Systems

### EXHAUST SYSTEMS

VAN-PACKER - Exhausting & Venting Stacks

### FANS AND BLOWERS

\*ACME ENGINEERING - Roof Exhausters, Fans, Blowers  
AMERICAN COOLAIR - Propeller Fans  
BROAN - Ventilation Fans, Heaters and Attic Ventilation  
ILG - Propeller Fans  
NUTONE - Ventilation Fans, Heaters and Attic Ventilation

### HEAT TRANSFER

ALFA-LAVAL - Plate Heat Exchangers  
BALTIMORE AIRCOIL - Cooling Towers  
CC SOLUTIONS - Field-Erected Cooling Towers  
RENEWAIRE - Energy Recovery Ventilators  
SPINNAKER - Energy Recovery Ventilators  
SUPER RADIATOR - Industrial Coils  
THERMAL - Condensers, Fluid Coolers  
WATTS RADIANT - Radiant heat solutions: from hydronic and electric  
radiant floor heating and snow melt systems

### HUMIDITY CONTROL

DESERT AIRE - Refrigeration Dehumidifiers  
\*VAPAC - Steam Humidifiers

### KITCHEN HOODS

CAPTIVE-AIRE - Nation's leading manufacturer of commercial kitchen  
ventilation systems  
GAYLORD - Commercial Kitchen Ventilation Systems

### PUMPS / WATER SPECIALTIES

BARNES - Waste Water Pumps  
BLACKMER - Positive Displacement Pumps  
HCI - Terminal Valve Kits  
\*PEERLESS - In-line, End Suction, Multi-Stage Pumps  
WHEATLEY - Exp. Tanks, Heat Exchangers

### SOUND / VIBRATION CONTROL

AEROSONICS, INC. - Duct Silencers  
\*M.W. SAUSSE - Spring Isolators

### SPACE HEATERS

CHROMOLOX - Solutions for industrial heating applications  
NAILOR - Electric Duct Heaters  
Q-MARK - Electric Space Heating  
REDD-I - Electric Space Heating  
RUFFNECK - Explosion-Proof Heaters  
SOLARONICS - Gas Infra-red Heaters

\*Stocked Lines (Boise and/or Salt Lake City)

## RESEARCH PROMOTION

I wanted to send a hearty "THANK YOU!" to everyone who contributed to ASHRAE Research last year! Our goal was \$8996, and we ended up with \$10,844 in donations. Thanks to your support, we attained a new high mark and met our challenge goal. Let's give the kudos to all those companies and individuals who donated to ASHRAE Research and will make my job even harder this year – Technical Air Products, Clima-Tech, Engineering Inc., Innovative Air, Robertson's LLC, Norbryhn Equipment Co., Musgrove Engineering, Tikker Engineering, Columbia Hydronics, Intermountain Gas Company, Felts House Engineering, Inc., YMC, Inc., RoBar Technical Services, Midgley Huber Inc., Sabol & Rice, Inc., Northwest Energy Efficiency Alliance, FM Sheet Metal, Inc., Hobson Fabricating Corp., McClure Engineering, ATS Inland NW, and DeBest Plumbing & Mechanical, Inc. Individual donors were: Jeff Fulcher, Spencer Shepard, Cameron Sprinkel, Pam Hayes, Scott Mackay, Andrew Beall, George Masing, Bart Petterson, Arden Davis, Bruce Cleveland, Xenon Long, and Sam Parkins. Thanks once again to each and every one of you for your generous support!

Since I am staying on as RP chair this year, I will be the one calling for support for this year's campaign. Last year's performance will be difficult to duplicate, but I am confident you all will come through once again. Just a reminder that you can make a contribution 24 hours a day at [www.ashrae.org/contribute](http://www.ashrae.org/contribute) with your debit or credit card. Please call on me if I can be of any assistance to you with respect to your donation.

Scott Mackay  
RP Chair

## IMPORTANT DATES

SEPTEMBER 11, 2009—ASHRAE Chapter Meeting  
OCTOBER 9, 2009—ASHRAE Chapter Meeting  
OCTOBER 31, 2009—HALLOWEEN  
NOVEMBER 13, 2009—ASHRAE Chapter Meeting  
NOVEMBER 26, 2009—THANKSGIVING  
DECEMBER 11, 2009—ASHRAE Chapter Meeting  
DECEMBER 25, 2009—CHRISTMAS DAY

## QUOTE OF THE MONTH

"And in the end, it's not the years in your life that count. It's the life in your years."

-Abraham Lincoln (1809-1865), 16th President of the United States

## NEWS FROM THE HOME OFFICE

### ASHRAE Announces Newest Distinguished Lecturers for 2009

ATLANTA – ASHRAE has named 13 new Distinguished Lecturers who provide Society chapters with noted authorities who speak on relevant topics that impact the HVAC&R industry. This marks the 13th year of the Distinguished Lecturer Program. The new lecturers and their areas of expertise are:

· David Arnold, Ph.D., Troup Bywaters and Anders, Reading, England – Chilled Beams for Low Energy Cooling in Sustainable Buildings, Estimating the Future Reliable Service Life of Existing Plant, The Evolution of Modern Office Buildings and Air Conditioning and Air Conditioning and the Impact on the Growth and Development of the USA in the 20th Century.

· William P. Bahnfleth, Ph.D., P.E., Pennsylvania State University, University Park, Pennsylvania – Fundamentals of Ultraviolet Germicidal Irradiation for Air and Surface Disinfection, Variable Primary Flow Chilled Water Systems and Cool Thermal Energy Storage in the Era of Sustainability.

· Hoy Bohanon, P.E., WorkingBuildings, LLC., Winston-Salem, North Carolina – Update on ASHRAE Standard 62.1, How to Apply the ASHRAE Standard 62.1 Multiple Spaces Equation, How to Implement Demand Control Ventilation and Comply with ASHRAE Standards and Using the Retro-commissioning Process for Energy Savings and Recovery Equipment.

· William A. Harrison, Trane Arkansas, Little Rock, Arkansas – Maintain to Sustain-Delivering ASHRAE's Sustainability Promise.

· Sam C. H. Hui, Ph.D., The University of Hong Kong, Hong Kong – Building Energy Codes and Building Energy Performance Evaluation, Building Energy Labels and Energy Benchmarking, Green Building Design and Assessment and Green Roof Systems and Technology

· Sanjeev Jain, Ph.D., Indian Institute of Technology Delhi, New Delhi, India – Renewable and Low Energy Driven Cooling Technologies for a Greener Tomorrow, Desiccant Technologies for Dehumidification and Cooling, Natural Refrigerants: Meeting the Challenges to Sustainability and Advanced Evaporative Cooling Systems for Sustainable Development

· Ronald E. Jarnagin, Pacific Northwest National Lab, Richland, Washington – Standard 90.1-Past, Present and Future, Advanced Energy Design Guides-Going Beyond Minimum Standards, Moving from Blue to Green-ASHRAE's Path to Sustainability, Today's ASHRAE-It's Not What You Think Anymore, ASHRAE's Headquarters Renovation-What Happens When Leaders Try to Do It Right, ASHRAE's Living Laboratory-Learning and Involvement by All Members and ASHRAE's Building Energy Labeling Program-A First Look

· M. Dennis Knight, P.E., DHIMEX, Mexico City, Mexico – Developing and Integrated Personal Management System to Help Get Things Done, Integrated Building Design, Building Performance Analysis for Building Performance Rating Systems and Building Information Modeling for the Mechanical Disciplines.

· R. Christopher Mathis, MC2 Mathis Consulting Company, Asheville, North Carolina – Energy Efficiency in Residential Buildings, Energy Efficient Window and Fenestration Technologies, Energy Efficiency in Commercial Buildings, Compliance with ASHRAE 90.1 and Building Science Lessons from the Honey Bees

· Jianlei Nui, Ph.D., The Hong Kong Polytechnic University, Hong Kong – Room Air Distribution: Stratified Air Distribution Systems and Reduced Cooling Load Calculation Methods, Personalized Ventilation: Energy Saving Potential and Application Modes, High-Rise Residential Building Ventilation Design: Public Health and Local Community Air Quality and Low-Energy Building Cooling and Heating Technologies: From Sky to Underground to Address Sustainability.

· Todd L. Rindlisbaker, P.E., QCxP, HBDP, LEED® AP, CDP, Total Building Commissioning, Inc., Salt Lake City, Utah – Design Engineers Working with a Commissioning Agent, Who Sabotaged My High-Performance Building, The LEED and ASHRAE Affair and The Integrated Project Delivery Process.

· Wei Sun, P.E., Engsysco, Inc., Ann Arbor, Michigan, Cleanrooms and HVAC Systems Design Fundamentals, Laboratories and HVAC Systems Design Fundamentals, HVAC Systems Design for Airborne Infection Control Spaces in Healthcare Facilities, Design Practices for Pressurization Systems-Technologies in Suite Pressure Control and Performance Modeling, Fan Energy Conservation in Cleanrooms-Airflow Modeling and Demand Flow Control and Primary, Secondary and Tertiary Air Handling Systems Design Strategies for Controlled Environments

· Dennis A. Stanke, Trane Commercial Systems, Ingersoll-Rand, La Crosse, Wisconsin – Standard 62.1 Update, Standard 62.1: The Ventilation Rate Procedure, Standard 62.1: Dynamite Reset and LEED Indoor Environmental Quality (EQ) Credits.

The new lecturers will serve a two-year term. There are 72 Distinguished Lecturers representing 20 countries for 2009-2010. These lecturers are available to present on 319 topics. For a complete listing of Distinguished Lecturers and detailed procedures on how to arrange a lecturer presentation, visit <http://www.ashrae.org/distinguishedlecturers>.

For additional information, contact Rosy Douglas, manager of chapter programs, at [rdouglas@ashrae.org](mailto:rdouglas@ashrae.org) or 678-539-1128.

