

The

Tumbleweed



<http://www.midcolumbia.ashraechapters.org>

Don't Miss This Month's Event

**Jan 26:
Bringing the Richland
Library into the 21st
Century – Lighting and
HVAC Retrofits**

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Ron Vallort presentation on Refrigeration at Christmas Dinner

Thirteen Mid-Columbia ASHRAE members, three non-members and fifteen guests, including Ron and Carolyn Vallort, attended the Christmas dinner meeting at the Hanford House on December 14th, 2005. Mr. Ron Vallort, ASHRAE President, made a very comprehensive presentation on the topic of Refrigeration, including its origins, a bit of its history and the present state-of-the-art of the technology that enables not only food transport and storage, but also other interesting applications that we hadn't thought of. Though a lot of the talk was on cooling and refrigeration, the atmosphere at the meeting and discussions following the meeting was very warm and jolly to match the holiday spirit. The poinsettia settings that decorated the dinner tables were auctioned off following the meeting and the proceeds of \$11 were donated to the Resource Funds. Ron and Carolyn stayed around for awhile after the meeting not only to take some pictures but also to talk to some of the original members of ASRE and ASHRAE that have been working in Hanford and



Ron Vallort (third from left) with Mid-Columbia ASHRAE members at the Christmas Dinner singing the praises of refrigeration.

were attending the meeting specifically to hear Ron's presentation.

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ASHRAE Winter Meeting Feb 5-9

ASHRAE will hold its 2005 Annual Winter Meeting in Orlando, Florida from February 5-9 this year. This meeting will focus on quality, through ASHRAE's technical program and committee meetings dedicated to providing technical information, educational program, and technical tours.

In conjunction with the Winter Meeting is the International Air-Conditioning, Heating, Refrigerating Exposition (AHR Expo). Cosponsored by ARI and ASHRAE, this annual event allows participants the opportunity to see first hand new products being developed for the HVAC&R industry.

ASHRAE's committee meetings and technical program will be held in the Wyndham Palace Resort with some of the technical committee (TC) and standards project committee (SPC) meetings

scheduled in the Grosvenor Resort. The Expo will be held at the Orlando Convention Center

February 7-9. The Orlando Convention Center is located on International Drive, a 20- to 30-minute bus ride from the ASHRAE hotels.

Details on Meeting attendance and the expo are available on <http://www.ashrae.org>. The Mid-Columbia chapter will have a number of attendees, however if you will not be attending, but are interested in the meeting, meeting papers, ASHRAE transactions, and the seminars DVD, they can be preordered through the ASHRAE website.



Chapter President Michele Friedrich

Message from the President

President's Message, January 2005

The Mid-Columbia Chapter met the Full Circle Award this year by each of the officers and the Resource Promotion Chair donating \$100 to ASHRAE. We would like to encourage each of you to make a donation to the ASHRAE research and education resource fund.

The Christmas dinner was great as was the visit by Ron and Carolyn Vallort. I was fortunate to get to spend a day with Ron and Carolyn touring Milne Foods and Hogue Wine

Cellars. The Vallorts have been traveling the world since Ron became the ASHRAE president and they had lots of stories to share about different countries and customs. I want to thank Carl Brennaise for taking the Vallorts on a tour of McNary dam, Ron Jarnagin for making sure they felt welcome in Tri-cities and Dale Green for organizing the Christmas dinner and reservations.

Happy New Year

Michele

ASHRAE Publishes 2004 Energy Standards

ASHRAE announced this month the publication of ASHRAE 90.1-2004 Energy Standard for Buildings Except Low-Rise Residential Buildings. This latest version of the ASHRAE 90.1 standard has been extensively formatted for ease of use, has adopted a new geography-based climate zone format to simplify determining requirements, adopts a new appendix to help in determining energy savings for going beyond 90.1 baseline, provides for significant reductions in allowed lighting power as well as a 17 specific modifications to mechanical requirements.

ASHRAE also released in December, ASHRAE 90.1-2004 Energy-Efficient Design of Low-Rise Residential Buildings.

"Those who use energy codes that govern one- and two-family dwellings and low-rise multifamily structures indicated that they needed a standard that was simpler and less design intensive, Steve Skalko, chair of the committee that wrote the standard, said. "Standard 90.2-2004 represents a major overhaul in formatting and improvements in energy conservation provisions."

While neither document represents minimum code design today, both are designed for ease of adoption into future building energy codes. Both documents are available through the ASHRAE bookstore at www.ashrae.org.

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How would you like to place your business card in front of more than seventy eastern Washington ASHRAE members? For a low \$10 an issue, we can place your business card with company logo in a prominent location in our newsletter.



Interested??? Contact

Kari McDaniel at (509) 371-5113

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This Month's Event

Wednesday, January 26

Bringing the Richland Library into the 21st Century

– Lighting and HVAC Retrofits

Speakers: Darrell Desmet, SCM Consulting
Jeff McCullough, Pacific Northwest National Laboratory

Description:

The Municipal Library in Richland, Washington, was designed in then-prevailing international style and completed in 1969, about four years before the "energy crisis" entered the consciousness of America. The facility, while state-of-the-art at the time, suffered from high operating costs, poor thermal comfort, neglected maintenance and disrepair resulting from 30+ years of operation. Two major retrofits were conducted within the last 5 years updating the lighting and HVAC technologies to:

- ✦ Save energy and money
- ✦ Bring the building into compliance with the prevailing Washington State Energy Code (WSEC)
- ✦ Improve both visual and thermal comfort
- ✦ Repair failed systems
- ✦ Simplify maintenance
- ✦ "Modernize" the facility

The lighting retrofit was conducted under the City's Rebuild America® partnership and was financed within the City Energy Conservation Program's revolving loan fund. The HVAC retrofit was funded out of the City's General Fund and was designed by SCM Consulting. This Case Study will describe the technologies used and provide a "lessons-learned" from two separate lighting and HVAC retrofits.

This week's presentation will feature Jeff McCullough of PNNL, who will discuss the library's lighting retrofit, and Darrell Desmet of SCM Consulting, who will lead a tour through the library mechanical room and discuss the HVAC retrofits.

Location: Richland Library, Dorris Roberts Gallery
955 Northgate Drive, Richland

Date: Wednesday, January 26, 2005

Time and Schedule: 5:00 - 6:00 pm BOG Meeting
6:00 - 6:30 pm Social Hour
6:30 - 7:30 pm Dinner
7:30 - 8:30 pm Program

Cost: \$10.0 Dinner and Program (Submarine Sandwiches)
\$3.0 Program Only

Program attendance is free for students. Student dinner cost is \$7.0

RSVP: Dale Green at (509) 735-1589 or degreen@meierinc.com
No Later Than 4:00 PM, Tuesday, January 25, 2005

*A reservation made is a reservation paid.

Upcoming Events

Date: February 25

Time: 5:30 pm – 9:00 pm

Event: National Engineer's Week Banquet. Presentation on nano-technology by Paul Burrows.

Date: March 15 (RP Night)

Time: 6:00 pm – 8:30 pm

Event: First Look of the ASHRAE Energy Guide for Small Office Building

Presented by: Ron Jarnagin and Bing Liu, P.E., PNNL

Date: April 12 (MP Meeting)

Time: 11:30 am – 1:00 pm

Event: Retrofit of Franklin County Courthouse

Presented by: David Reames, PE, L&S Engineering

Date: April 13

ASHRAE Satellite Broadcast on Mold and Moisture Control

Date: May 4-7

Chapter Regional Conference (CRC) in Honolulu, Hawaii

Date: May 10

TBD



Mid-Columbia ASHRAE

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The Mid-Columbia Chapter of the American Society of Heating, Refrigerating, and Air Conditioning Engineers was chartered in 1981 in Richland, Washington. We are part of ASHRAE Region XI and represent ASHRAE members in Eastern Washington State

