

The

Tumbleweed



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

Don't Miss This Month's Event

Tuesday, December 14

**"Ron Vallort, ASHRAE
President will speak on Re-
frigeration. History Note;
This month marks the 100th
anniversary of the founding
of the American Society of
Refrigerating Engineers"**

Local Engineering Societies Tour of LIGO a Success

November's program was a huge success with over 70 engineers and scientists from local ASHRAE, IEEE, and ASME organizations attending an overview presentation & tour of the LIGO Hanford Observatory. LIGO stands for Laser Interferometer Gravitational-Wave Observatory and is a scientific research facility dedicated to the detection of cosmic gravitational waves. For an excellent overview of gravitational wave theories and how observatories such as LIGO will someday provide a new means to view the universe see: <http://www.ligo.caltech.edu/docs/G/G030020-00/G030020-00.pdf>.



2005 Student Design Competition

Did you know that the 2005 ASHRAE Student Design Competition (undergraduate) will be based on a design for a grouping of five buildings in Portland, Oregon, just down the road? The site is known as "The Brewery Blocks" and consists of 4 buildings to be renovated and a fifth future residential building design. Along with a need to accommodate the historic nature of several buildings, the area is being transformed into a bustling urban neighborhood with a wide variety of building uses (groceries/offices/restaurants/and residential space).

The student design teams will compete in one of the three subsystem categories: HVAC System Selection, Refrigeration System Design and Architectural Design. The HVAC system selection project will address the central plant and base building HVAC systems serving all five building blocks. The HVAC system design project will be a food

distribution center in the history armory section of building Block 3. The architectural design project will be the development the residential building block 5.

If you know of undergraduate students interested in building engineering and architecture, please let them know of this opportunity by referring them to:

<http://www.ashrae.org/template/StudentZoneLanding>. Deadlines for submission are May 9th, 2005.

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Chapter President Michele Friedrich

Message from the President

Refrigeration and Lewis and Clark

I went to Seaside, OR for a Thanksgiving week vacation. While I was there I toured Fort Clatsop and found out that some of the Lewis and Clark expedition had to stay on the coast to boil saltwater in the drippy, cold, foggy weather of winter just so they could get salt to preserve their meat (they said the elk meat spoiled in days). If they had only had a wood-fired absorption system they could have refrigerated the meat and had heat in their cabin on those cold, wet, drippy days on the coast. They also could have made peace with the Teton Sioux easier (their major obstacle) if they had a wood-fired absorption system to trade - just think of the buffalo that could have been refrigerated and kept the Sioux well fed all year! Well, enough speculation. Come to the Christmas din-

ner and hear Ron Vallort, ASHRAE president, talk about all the wonderful things that refrigeration has done to improve our lives.

ASHRAE biographies

The board would like to encourage everyone to update their bio's in the national ASHRAE registry. You and/or the chapter may be eligible for an award. Please send the board a letter when you have completed your update.

I wish you a Merry Christmas and Happy New Year,

Michele

From The Summit: A Look at ASHRAE's Research Program

By Ron Jarnagin, ASHRAE Vice President



From the Summit: ASHRAE Wants to Hear From You!

If you are an ASHRAE member then you should have recently received an e-mail from ASHRAE President Ron Vallort with the subject line "Improve ASHRAE's Value with Your Input" asking you to complete an online market research survey. This represents a very important opportunity to make your opinion known to help ASHRAE improve its products and services to meet the needs of the membership and the HVAC&R profession.

During the last year or so the leadership of the Society has been having ongoing discussions about how we can improve what we provide to you as a member of the organization. What do you want, and how do you want to receive it?

What things are we doing that we could do better? What things are we missing that you really want or need to help you do your job better? These are just a few of the questions we have been asking, and now we are asking them of you directly.

The ASHRAE Board of Directors approved the funding for a comprehensive market research survey at the Nashville Annual Meeting in June, 2004 to help provide the critical information from the membership on how we could serve them better. This market research survey is structured to provide specific, actionable items that the Society could undertake to improve membership products and services. Initial focus group meetings were held at various locations around the country with ASHRAE members to help structure
continued on page 4.

Help Sponsor our Website with a Business Card Ad

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

K.jell@verizon.net

This Month's Event

Tuesday, December 14

"Ron Vallort, ASHRAE President, will speak on Refrigeration"

Come to the Mid Columbia ASHRAE Christmas Party and bring your spouse, friend, or a date. Meet Ron Vallort, ASHRAE President, and hear his great presentation on refrigeration.

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| Location: | Red Lion Hotel 802 George Washington Way Richland, Washington 99352 | |
| Time and | 6:00 pm | Social |
| Schedule: | 6:30 pm | Dinner |
| | 7:30 pm | Meeting/Presentation |

Menu Choices:

Almond Crusted Salmon—Fresh Atlantic Salmon Breaded with Toasted Almonds, grilled for a brown finish, and dressed with a Lemon Caper Aioli

Choice Top Sirloin—Choice Top Sirloin brushed with Garlic and Fresh Herbs and Broiled. Topped with Wild Mushroom Demi-Glaze

Vegetarian Plate—Pasta Primavera

Cost: \$25.00 per person* (spouse/domestic partner is free if you paid to attend the October meeting.)

RSVP: Please RSVP to Dale Green at 509-735-589 or degreen@meierinc.com by Dec 10, 2004

*A reservation made is a reservation paid.

Refrigeration Today

Refrigeration is now commonplace, not only in industry, but in virtually every home in industrialized countries. More foods to choose from - foods that are safe, foods that last longer, and foods that can be transported halfway around the world in their limited window of freshness. Refrigeration continues to be used in other industries and enables science, technology, and medicine to perform the everyday miracles that we have become accustomed to: vaccines provided worldwide; life giving blood, tissue and organ transplants; computer and chip technology. Refrigeration is the technology of survival and advancement.

Many feel that less emphasis has been placed on refrigeration in recent years. Let us take this year, the 100th anniversary of American Society of Refrigerating Engineers, to remind our industry and the public about the importance of refrigeration and the need to make even greater strides in improving the "cold chain's" effectiveness to improve the quality of life for people throughout the world.

Upcoming Events

Date: January 11, 2005

TBD

Date: February, 2005

Engineer's Week Banquet

Date: February 5-9, 2005

ASHRAE Winter Meeting, Orlando, FL

Date: March 15, 2005

First Look at ASHRAE's Advanced Energy Design Guide: Small Office Buildings

Date: April 13, 2005

ASHRAE Satellite Broadcast

Date: May 4-7, 2005

Chapter Regional Conference (CRC)

Date: May 10, 2005

TBD



Mid-Columbia ASHRAE

2004-2005 Officers/ BOG

| | |
|---------------------------------------|--|
| President (509) 375-5989 | Michele Friedrich mfriedrich@pnl.gov |
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Committee Chairs

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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

From the Summit, continued

the questions for this survey in order to make sure that it focuses on the matters most important to you, the members.

Please take the few minutes necessary to complete the survey. We are anxious to know

what you think, and I can guarantee you that we will be listening very closely to what you have to say. Your opinion is valuable to us as we continue to try to improve the value to you of your membership in ASHRAE.

ASHRAE Short Courses at Winter Meeting

ASHRAE Learning Institute is presenting Professional Development seminars and short courses at the ASHRAE Winter Meeting in Orlando, FL on Feb. 5-9.

Information and registration and a complete list of course offering can be found at

<http://www.ashrae.org/template/AssetDetail/assetid/37201>

