

The



Tumbleweed

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

Don't Miss This Month's Event

Feb. 25th:

Engineer's Week Banquet

***Nanotechnology:
Fact, Fiction, Fear
and Fantasy***

Details on page 3

Bringing the Richland Library into the 21st Century – Lighting and HVAC Retrofits

Nineteen Mid-Columbia ASHRAE members attended the January dinner meeting at Richland Public Library on January 26th, 2005. Jeff McCullough of Pacific Northwest National Laboratory, and Darrell Desmet of SCM Consulting made a very good presentation on the topic of implementing lighting and HVAC retrofits into the Richland Library building. Jeff discussed the library's lighting retrofit, and Darrell along with Tim Ault, City of Richland, led a tour through the library mechanical room and discussed the HVAC retrofits. Their presentation also provided the "lessons-learned" experience in order to save both energy and operating costs

and improve the visual and thermal comfort to this 30+ year old library.



Mr. Jeff McCullough



Mr. Darrell Desmet

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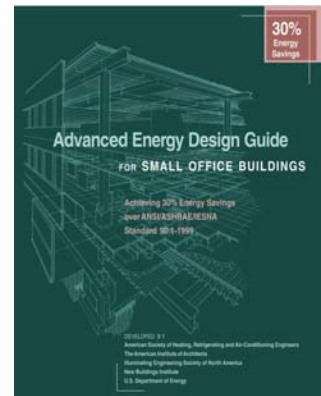
Reduce Operating Costs, Energy Use with ASHRAE Guide

ASHRAE's *Advanced Energy Design Guide for Small Office Buildings* provides a sensible, hands-on approach to design through use of products that are practical and commercially available as "off-the-shelf" technology from major manufacturers. The guide focuses on office buildings of up to 20,000 square feet, which make up the bulk of the office space in the United States. It features energy-savings recommendations for each climate zone in the U.S. on a single page, making it easier to design and implement energy savings.

The guide includes specific recommendations for energy-efficient improvements in the areas of building envelope, lighting, HVAC equipment and systems and service water heating. Bonus saving strategies to improve energy efficiency even further are included for exte-

rior façade lighting, parking lot lighting and plug loads.

The book is the first in a series of documents designed to provide recommendations for achieving 30 percent energy savings over the minimum code requirements of ASHRAE's energy conservation standard, Standard 90.1. Standard 90.1 is the basis for building energy codes across the United States.





Chapter President Michele Friedrich

Message from the President

President's Message, February 2005

Engineers Week

The last week of February is Engineer's Week. This year's theme is Engineers Make a World of Difference. Co-chaired by ASME and BP, [Engineers Week, February 20-26, 2005](#), introduces the collaborative efforts of Engineers Without Borders (EWB-USA) and professional engineering organizations to provide reconstruction relief to Tsunami-Stricken Areas. The link above gives more information on how you can be involved.

The Tri-City Engineer's week banquet is on Feb. 25 and our chapter has nominated Ron Jarnagin for the Engineer of the Year Award. Ron, as many of you know is Vice President of the ASHRAE society but what many of you may not know is that

Ron was a major player in putting together ASHRAE's *Advanced Energy Design Guide for Small Office Buildings*. You can find out more about at our March meeting. Another Mid-Columbia ASHRAE member, Sriram Somasundaram, is also being nominated for the Engineer of the Year Award by ASME. So come to the banquet and cheer on our members. Paul Burrows is going to give an excellent presentation on nanotechnology.

I also hope you can find time to make a presentation on engineering at one of the local schools, assist with Math Counts or with Future City Competition. Go to <http://www.week.org> to find more information on how you can spread the word about engineering.

Michele



*Mr. Ron Jarnagin
ASHRAE Vice President*

From The Summit: ASHRAE 2005 Winter Meeting Review

By Ron Jarnagin, ASHRAE Vice President

If you missed the Winter Meeting in Orlando, you missed out on some great opportunities to expand your technical knowledge, gain a better understanding of the Society's operations, network with fellow professionals and see the latest HVAC&R products and services at the AHR Exposition. The Winter Meeting always features the Expo, and this year the show was outstanding. Not only was this show one of the largest outside of the Chicago show at the McCormick Place Convention Center, but it also attracted a large number of first time vendors to the Orlando Convention Center.

Many things were buzzing around the Winter Meeting, and one of the more important things was talk about ASHRAE's hot new *Advanced Energy Design Guide for Small Office Buildings*. This

document was a first of its kind for ASHRAE, and involved a diverse team of organizations in its preparation including the American Institute of Architects (AIA), Illuminating Engineering Society of North America (IESNA), the New Buildings Institute (NBI) and the U.S. Department of Energy (DOE). A seminar was offered to provide an overview of the document, and the presentations played to a full house. The document was on sale at the bookstore and quickly sold out, further underscoring its popularity among ASHRAE members.

Initial results from ASHRAE's recently completed Membership Survey served as food for thought and everyone in the ASHRAE leadership is looking forward to mining the (continued on Page 4)

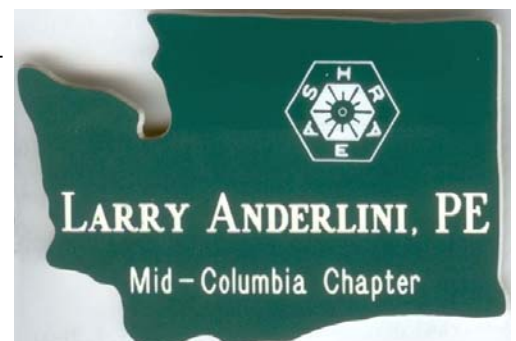
Badges for Mid-Columbia Available

ASHRAE Name Tag in the shape of Washington State is available for the Mid-Columbia Chapter's members to order. The picture on the right shows what the name tag looks like. It costs \$10.00 a name tag.

Interested??? Contact

Michele Friedrich at (509) 375-5989

mfriedrich@pnl.gov



This Month's Event

Friday, February 25

National Engineer's Week Banquet

Location: Red Lion Hotel in Kennewick
(1101 Columbia Center Boulevard)

Date: Friday, February 25, 2005

Time and Schedule: 5:30 pm - 6:30 pm Social Hour
6:30 pm - 9:00 pm Dinner and Program

Ticket: \$30.00 Dinner (a buffet of London Broil and Champagne Chicken)
(\$25.00 for Students and Retirees).

RSVP: Jeff Scott (JESCOTT@duratekinc.com 509-373-0125)

No later than 5:00 p.m. February 18th

**A reservation made is a reservation paid.*

Key Speaker: Dr. Paul E. Burrows

Dr. Paul E. Burrows, Manager of the Nanoscience and Technology Initiative at The Pacific Northwest National Laboratory will be the keynote speaker. His presentation, "**Nanotechnology: Fact, Fiction, Fear and Fantasy**" will be an overview of the present and possible future uses of nanotechnology in our world and the implications of this rapidly growing area of scientific research. There is no doubt that nanoscience and nanotechnology are revolutionary quests that will transform almost everything we do, the way we live and work, and the organizations around us.

Highlight of the evening will be the selection of the Engineer of the Year, a prestigious honor awarded to the Tri-Cities area engineer who has been deemed to have contributed most significantly as a practicing engineer during the 2004 time frame. Mid-Columbia Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), proudly nominate **Ronald E. Jarnagin** for the Tri-Cities Engineer of the Year Award. In addition, several of the sponsoring technical societies will use the occasion to make special awards to their members or others of the general public.

Upcoming Events

Date: March 15 (RP Night)

Time: 6:00 pm – 8:30 pm

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

Speakers: 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

Speaker: David Reames, PE, L&S Engineering

Date: April 13

ASHRAE Satellite Broadcast & Webcast

Mold in Our Building Environment

Date: May 4-7

Chapter Regional Conference (CRC) in Honolulu, Hawaii

<http://www.ashraehawaii.org/>

Date: May

TBD



Mid-Columbia ASHRAE

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Honor & Awards (509) 735-1589	Steve Strecker sjstrecker@meierinc.com
Research Promotion (509) 783-1625	Gil Hibbs gilh@scm-ae.com

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

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 from Page 2)

results of that survey to help improve our products and services to better serve our membership. More information will be forthcoming soon on the details of the survey results.

Your Board of Directors also approved the formation of a new Advocacy Committee which will oversee ASHRAE's movement into informing and influencing government and other organizations in areas where ASHRAE has unique expertise. This represents an exciting new phase of visibility for the Society. The Board also approved the acquisition of new computer software for association management which will dramatically improve the operations of the Society and reduce the amount of staff time and costs necessary to serve the membership.

Ron Jarnagin

Important Notice About Future Meeting Dates

The dates for the 2006 and 2007 Winter Meetings are incorrect on some ASHRAE membership cards. The correct dates for the Winter and Annual Meetings are:

- **2005**, Feb. 5-9 in Orlando, Fla., and June 25-29 in Denver;
- **2006**, Jan. 21-25 in Chicago, and June 24-28 in Quebec City, QC, Canada;
- **2007**, Jan. 27-31 in Dallas, and June 23-27 in Long Beach, Calif.;
- **2008**, Jan. 19-23 in New York. Dates and location for the 2008 Annual Meeting are to be determined.