

Mid Columbia Chapter of the
American Society of Heating,
Refrigerating, and Air
Conditioning Engineers

September 2004

The Tumbleweed



Don't Miss This Month's Event

Tuesday, September 14

**"SMART Building Systems, an
Overview of ASHRAE
TC 7.5"**

Speaker: Michael Brambley of
Pacific Northwest
National Laboratory

Details on page 3

Tumbleweed Revised

This issue introduces a revised version of **The Tumbleweed** newsletter. With this edition, we are working to update the format of the newsletter as well as provide a location for new material which we hope will be of interest to Mid-Columbia ASHRAE chapter members. The traditional goals of **The Tumbleweed** have been to update members on what is happening within the local chapter. To this, we would like to add a few additional goals:

To update chapter members on what is happening at the national level and how they can get involved.

To provide a forum for local postings of Heating, Ventilating, and Air Conditioning Job opportunities.

To provide a forum for discussion of local issues of interest to the ASHRAE community.

In this issues we start what we hope will be a continuous column from Ron Jarnagin, a longtime Mid-Columbia ASHRAE member and current ASHRAE Vice President. Ron's current position within ASHRAE provides us with the opportunity to see a



little further into the workings of ASHRAE as a National/International organization, and we hope to take advantage of that.

Finally, this is your **Tumbleweed** and it is a work in progress. Please make your thoughts, opinions, and ideas known on what you would like to see in this publication. Contact the 2004-2005 Tumbleweed Editor, David Winiarski, or any of the committee members listed on page four with your ideas

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Upcoming Series on Building Safety Featured in ASHRAE Journal

More than 20,000 viewers at some 1,000 sites watched ASHRAE's April 14 Satellite broadcast on Building Safety and Security which was hosted by the ASHRAE Presidential Ad Hoc Committee on Homeland Security and funded through a grant from the Alfred P. Sloan Foundation in New York.

Beginning with the September Issue, the ASHRAE Journal begins a 5-part series on homeland secu-

urity topics which parallels the subjects in the satellite broadcast, highlight the homeland security subjects of interest to most ASHRAE members and those who design, build, own and occupy buildings. The September issue highlights the importance of the design and performance of ventilation systems and building layout in preparing for a chemical/biological/radiological threat to a building.



Chapter President Michele Friedrich

Message from the President

Hello, my name is Michele Friedrich and I am honored to be this year's Mid-Columbia ASHRAE chapter president. The 2004-2005 ASHRAE year is underway and the BOG has met twice already to plan for the upcoming year.

One of our chapter members, Ron Jarnagin, was elected to the position of ASHRAE Vice President, this year. Congratulations Ron.

We restructured the chapter committees to form a Chapter Technology Transfer Committee (CTTC) which is a merge of TEGA and Programs committees. The president-elect, Dale Green, is the chair of the CTTC. Sriram Somasundaram has agreed to co-chair this committee. This year's programs, seminars and tours are being organized. We are planning some programs as lunch meetings this year. If you have any ideas or topics that you

would like presented, please contact Dale or Sriram.

Mike Brambley will start off the year with a presentation on the ASHRAE technical committee 7.5, Smart Building Systems at the September 14 meeting. We are fortunate to have this year's ASHRAE president, Ron Vallort, give a presentation on refrigeration at the Mid-Columbia meeting on December 14. So if you have questions about the national organization, be sure to come to the December meeting.

Bing Liu is the chapter secretary this year. She has already recruited Dave Winiarski to put out the TUMBLEWEED this year. Because Dave just had a daughter in August and Bing is expecting a

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ASHRAE seminar presentations with audio are now available for purchase, either individually or as a complete set from the 2004 Summer Meeting

From The Summit

By Ron Jarnagin, ASHRAE Vice President

ASHRAE launched an exciting new product at the Society Annual Meeting in Nashville by providing all of the seminar material from the meeting electronically for purchase. Presentations from the seminars were collected and synchronized with an audio recording of the presentation to allow those not able to attend to still receive the benefit of these valuable, timely technical presentations. Since seminars do not require a paper to be prepared, only those in attendance at the sessions could benefit from the information. Now everyone can share in this rich source of technical information.

Available now on the ASHRAE website, users are presented with an array of choices of ways to purchase the seminar material. Seminars may be either downloaded from the website (the complete set or individual seminars) or ordered on a DVD. The complete set from the Summer 2004

meeting contains a staggering 75 hours of technical content on an array of subjects. If you'd like a little flavor of the content, ASHRAE has thoughtfully provided a sample seminar file that you can view on your computer.

ASHRAE members have been asking for seminar material to be made available, and through the efforts of the Technical Activities Committee and the Program Committee, that request has been granted. Every ASHRAE member should consider having a copy of this material on their bookshelf for ready reference, and chapters might consider having a copy to provide that last minute fill-in should a technical speaker have to cancel on your next meeting night.

You can find more information at:

<http://resourcecenter.ashrae.org/store/ashrae/>



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? We can place your business card and company logo in a prominent location in our newsletter and annual roster.

Interested??? For going rates, contact
Kari McDaniel, Treasurer



ASHRAE

Technology for a Better Environment

Mid Columbia Chapter, Tri-Cities, Washington

September and Upcoming Programs

This Months Event:

Tuesday, September 14

SMART Building Systems - An Overview of ASHRAE TC 7.5

Speaker: Dr. Michael Brambley, PNNL

Description:

The presentation will provide an overview of ASHRAE Technical Committee TC 7.5 - Smart Building Systems. TC 7.5 is concerned with the performance and interactions of smart building systems, the impact of smart systems on the total building performance, methods for achieving more intelligent control and operation of building processes, interactions of smart buildings with utilities, and documentation of the benefits of smart buildings and smart building systems as they relate to energy consumption, cost of operation, maintenance, occupant comfort, building commissioning, operations, and impact of the smart building systems on utilities and natural resources. The presentation will provide information on the scope of the committee, its structure, and program and research activities.

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

Time: 7:00 – 8:45 pm

Cost: \$3.00

Snacks will be provided

Dr. Michael R. Brambley
Pacific Northwest National Laboratory

Dr. Brambley is a Staff Scientist and manager of the Building Systems Program at Pacific Northwest National Laboratory (PNNL). His technical focus in recent years has been on application of information technology to buildings, specializing in automated diagnostics for building systems, intelligent building technologies, and wireless sensing to support building operation and maintenance. Before joining PNNL in 1987, Dr. Brambley was an Assistant Professor in the engineering school at Washington University in St. Louis. Dr. Brambley has an extensive publication and presentation record and has served on numerous technical, professional society, and organizational committees throughout his career. He is a member of ASHRAE and holds M.S. and Ph.D. degrees from the University of California, San Diego, and a B.S. from the University of Pennsylvania.

Upcoming Events

October 12

Time: 6-8:30 pm

Location: TBD

**Overview/Update on the Hanford
Waste Treatment Plant (WTP)**

Presented by: Mr. Richard
Tosetti, Manager of Engineering
for Bechtel National, Inc

December 14

An Overview of Refrigeration

Presented by: Ron Vallort,
ASHRAE President, 2004-2005

Mid-Columbia ASHRAE

2004-2005 Officers/ BOG

President (509) 375-5989	Michele Friedrich mfriedrich@pnl.gov
President Elect (509) 735-1589	Dale Green degreen@meierinc.com
Secretary (509) 375-3710	Bing Liu bing.liu@pnl.gov
Treasurer (509) 371-5113	Kari McDaniel k.jell@verizon.net
BOG Member at Large (509) 527-7540	Carl Brenneise carl.b.brenneise@nww01.usace.army.mil
BOG Member at Large (509) 375-6317	Jeff McCullough jeff.mccullough@pnl.gov
BOG Member at Large (509) 783-1625	Gil Hibbs qilh@scm-ae.com

Committee Chairs

Membership (509) 735-1589	Steve Strecker sjstrecker@meierinc.com
Newsletter (509) 375-4661	Dave Winiarski david.winiarski@pnl.gov
Web Page (509) 371-5113	Kari McDaniel k.jell@verizon.net
CTTC (509) 735-1589	Dale Green degreen@meierinc.com
Student Activities (509) 375-6317	Jeff McCullough jeff.mccullough@pnl.gov
Honor & Awards (509) 735-1589	Steve Strecker sjstrecker@meierinc.com

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

The Mid-Columbia Chapter is looking to replace its former website at www.MidColumbiaASHRAE.com. Stay Tuned

Message from the President (continued)

baby in October, they will be sharing the duties of secretary and newsletter editor for the first few months of this year.

Kari McDaniel is this year's chapter treasurer and web master. The BOG passed a budget and an audit was completed on last year's accounts. Kari is working with John Sutton to get our web site back up and running.

This year's Membership committee chair is Steve Strecker. Please send him any updates you have on contact information for yourself. Steve is also the Awards and Honors Chair. Steve will be checking Mid-Columbia chapter member's biographies to see if they are eligible for an award. Please make sure you have an up-to-

date Bio on record.

Jeff McCullough is this year's Student Activity committee chair. He will be working to recruit students from WSU tri-cities and CBC.

Please call any of the officers or BOG to ask questions or to become involved in the chapter.



**Mid Columbia Chapter Planning Meeting for 2004-2005
July 29, 2004, Bamboo Garden**

Attendees:

Michele Friedrich*	Steve Strecker
Bing Liu*	Sriram Somasundaram
Jeff McCullough*	Rich Evans
Kari McDaniel*	Sue Brown
Dale Green*	Carl Brennaise*

(*BOG members)

The first meeting for the 2004-2005 year was held at Bamboo Garden. Agenda items and decisions for the upcoming year follow:

PAOE POINTS FOR 2003-2004: Michele announced that all PAOE points need to be entered by July 31 for 2003-2004. Steve, Jeff and Carl confirmed that all points had been entered.

POSITIONS FOR 2004-2005:

A. Current Positions:	President:	Michele Friedrich
	President Elect:	Dale Green
	Secretary:	Bing Liu
	Treasurer:	Kari McDaniel

B. Committees & Other Positions:

- TEGA and programs committees are disbanded and have been integrated with the Chapter Technology Transfer Committee (CTTC).
- CTTC will be chaired by Dale Green. Sriram Somasundaram who had volunteered to head the TEGA Committee will instead help Dale Green with CTTC.
- Membership Promotion Committee will be chaired by Steve Strecker.
- Student Activities Committee will be chaired by Jeff McCullough
- Resource Programs Chair: No chair has been identified yet. If you are interested, please contact Michele.
- Honor & Awards Chair: Steve Strecker will chair honors and awards but is looking for others to assist him on this committee.
- Chapter Website will be lead by Kari McDaniel (with assistance from John Sutton to get website up and running).
- Chapter Newsletter will be lead by Bing Liu. Bing will be looking for a replacement for newsletter editor.

PROGRAMS AND CALENDAR FOR 2004-2005:

- 9/14, First Program Meeting: Mike Brambley, PNNL will speak about T.C. ? research and programs. Dale will make reservation at Library for the meeting.
- Workshop Ideas: Corrosion Control, Building Commissioning, Green Building Design - LEED Beginner Workshop
(ACTION: Bing Liu to investigate rates & availability LEED Training Class for estimated 30 attendees and report back to BOG.)

BUDGET ITEMS:

- A. 2003- 2004 Budget: Steve Strecker will perform an audit of budget and bookkeeping as performed by Bing Liu, 2003-2004 Treasurer.
- B. 2004- 2005 Budget:
- Michele Friedrich put forth a motion to increase the CRC Lodging & Registration line item for this year's budget from \$800 to \$1000. The motion was unanimously approved by all voting members.
 - Carl Brenneise put forth a motion to investigate changing term on the chapter's \$5000 CD from 1 yr to 3 yrs. Motion was unanimously approved by all voting members.
(ACTION: Kari McDaniel to investigate rates and report back to BOG.)
 - After discussion and an examination of income and expenses from 2003-2004, a 2004-2005 budget was presented which is the same as the 2003-2004 budget with the following changes: 1) Expenses for chapter dues is increased from \$300 to \$320, 2) Income from local chapter dues is increased from \$1125 to \$1500, and 3) Expenses for CRC Lodging & Registration is increased from \$800 to \$1000. A motion was passed to approve the budget as presented below and it was unanimously approved by all voting members.

ASHRAE Project 2004 -2005 Budget			
Expense Per Year		Income Per Year	
CRC Travel	\$ 1000.00	Total Dues Income Collected from ASHRAE	\$ 1,500.00
		Expected Interest Income CD 11/02 - 11/03	\$ 75.00
Dues		Monthly Dinner	\$ 1,890.00
Tri-city Technical Council (TCTC)	\$ 25.00	Christmas Dinner	\$ 750.00
Region XI	\$ 320.00		
Monthly News Letter			
Postage	\$ 45.00		
Monthly Meeting Dinner	\$ 1,470.00		
Monthly Meeting Expenses			
Speakers	\$ 400.00		
Christmas Meeting Supplement			
Spouse	\$ 276.00		
Member	\$ 690.00		
Total Expected Expenditure	\$ 4,226.00	Total Expected Income	\$ 4,215.00
Budgeted Deficit	\$ <11.00>		

- C. 2005- 2006 Budget: Michele Friedrich put forth a motion to increase the chapter dues members pay to Mid-Columbia chapter from \$25 to \$30. The motion was unanimously approved by all voting members.

NEXT BOG MEETING: Meeting to be Tuesday, August 31th. Location TBD.

Respectfully Submitted,

Kari McDaniel,
Treasurer 2004-2005