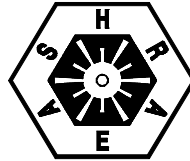


# THE BADGERAIRE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS, INC.

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A PUBLICATION OF THE WISCONSIN CHAPTER OF ASHRAE

Volume Number V February 2006

## **February Dinner Program: THE ROLE OF FILTRATION IN ATTAINING ENERGY EFFECTIVE AND SUSTAINABLE INDOOR BUILDING ENVIRONMENT**

**Thursday, February 16, 2006**

This month, we are pleased to have a joint meeting with PMC Milwaukee and SMACCA Milwaukee on indoor air quality. This presentation will discuss the understanding of particulate and gas phase filtration in the development and maintenance of acceptable indoor air quality; greening and sustainability; system cleanliness; and protection of occupants from incidents of accidental or criminal airborne exposures.

Our speaker for this presentation is H. E. Barney Burroughs (CIAQP, PM-ASHRAE). He is a technical consultant in the field of *Indoor Environmental Quality* and is a recognized expert in *Indoor Air Quality and Air Cleaning*. He is the President and CEO of **Building Wellness Consultancy, Inc.**, a consulting firm specializing in IAQ diagnostics and training, filtration, and related IAQ and Building Health, Safety, and Security issues. He is a prolific author of numerous papers/articles and is a lecturer on IAQ and frequently leads seminars on that and related subjects.

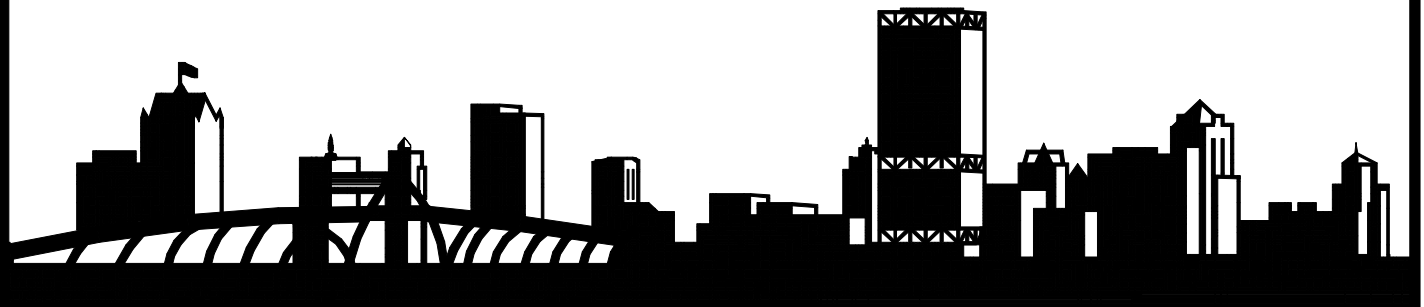
**Program Location**  
Midway Hotel  
1005 S. Moorland Rd.  
Brookfield, WI

Registration and Cocktails:	4:30 p.m. – 5:00 p.m.
Program:	5:00 p.m. – 6:30 p.m.
Dinner:	6:30 p.m. – 8:00 p.m.

The program cost of \$25.00 will include dinner. Checks should be payable to the “Wisconsin Chapter of ASHRAE”.

PLEASE MAKE YOUR RESERVATIONS ONLINE AT [WWW.ASHRAE-WLORG](http://WWW.ASHRAE-WLORG) OR TELEPHONE YOUR RESERVATION TO MAGGIE ROLL @ 414.778.7422. IF CALLING IN YOUR RESERVATION, PLEASE SPELL OUT YOUR LAST NAME ON THE MESSAGE. PLEASE HAVE YOUR RESERVATIONS IN BY CLOSE OF BUSINESS, MONDAY, FEBRUARY 13, 2006.

THANK YOU



### PRESIDENT'S COLUMN

I wanted to start this month's column by thanking Randy Dahmen from the Wisconsin Safety and Building for presenting at our chapter meeting last month on the update to the Wisconsin Building Code. Randy brought attention to the many aspects of from the various codes and guidelines integral to International Building Code as adopted by Wisconsin. Kudos to the ASHRAE MSOE student chapter and Michelle Haines (membership chair) who arrange the meeting and held on the MSOE campus....which brings up the emphasis for the month of February...National Engineer week!

February 20<sup>th</sup> thru the 26<sup>th</sup> is recognized as National Engineers week. It is week set aside to promote the engineering profession and to educate youngsters on the career aspects related to the various types of engineering. So promote your profession and encourage our youth to learn more about engineering in any way you can.

**Hussein Badani (Sam)**  
**Wisconsin Chapter of ASHRAE President**  
[Sam.Badani@triadengineering.com](mailto:Sam.Badani@triadengineering.com)

### MEMBERSHIP NEWS

Please welcome the following new members:

Scott Altenberger  
 Todd Brandhauer  
 Paul Beck  
 Donna Catalano  
 Jeffrey Daoust  
 Mark Johnson  
 Andrew Lange  
 Scott Scholz  
 Dustin Stephany  
 Nicolas Thiltgen

### FROM OUR TEGA CHAIR

It is time once again to gather up your best designs and submit them for our Chapter Technology Awards. As you know, Lev from IBC Engineering has received Regional and National Recognition for his work. It is not difficult to submit; the forms are available from the ASHRAE website or e-mail me at [Jlucchesi@Buttersfetting.com](mailto:Jlucchesi@Buttersfetting.com). We have not received a lot of applications in the past, and we will not hesitate to submit projects to the Regional Committees for review. Please consider your work worthy of local recognition! Maybe even Regional or National Recognition!

On another note, We Energies has some new programs to help sell energy efficient equipment to customers. Targeted customer groups include multifamily building owners (four units or more), small commercial building owners, and not-for-profit organizations. To qualify, they must be gas customers of We Energies. Small commercial customers must use less than 40,000 therms per year or less. There is no limit for multi-family buildings and Not-for-Profit customers. The contractor must be a Trade Ally of We Energies. Contact Kevin J. McKinnon, Program Mgr. We Energies Incentive Programs for further details or myself and I'll forward available info to you.

**Joe Lucchesi, P.E.**  
**Tega Chairperson**  
[jlucchesi@buttersfetting.com](mailto:jlucchesi@buttersfetting.com)

The Madison Chapter of ASHRAE will be holding a Seminar on ASHRAE Standard 90.1-2004. This seminar will be held on Tuesday, March 21<sup>st</sup> at the Sheraton Madison Hotel. For more information on this program, please go to their website at [www.ashraemadison.org](http://www.ashraemadison.org). You can also contact Mike Gall at (608) 275-7013 for more information and registration.

**ASHRAE CHAPTER MEETINGS**



**November – Bill Coad**

At the November meeting we were fortunate to have Bill Coad, ASHRAE Distinguished Lecturer, speak to the Chapter. Bill did double time for us with an afternoon session on the evolution to complexity of the VAV system and a dinner session addressing the ethics of energy. The topics are related by the requirement for good engineering.

In the first session, Bill presented a history of the VAV system from a design targeted to provide energy savings with good ventilation performance at low cost; it became a complex system that did none of those things well. Bill then described an alternative, the dedicated outdoor air systems in combination with a space temperature control system. The lesson offered is that ‘the key to good design is simplicity’.

In the second session, Bill addressed our energy situation and the key role of the mechanical engineer. I don’t want to summarize this. Bill’s thoughts and challenges to engineers are something that should be taken straight from the source:

“food for the mechanical slave is fossil fuels . . . it’s all a house of cards, bound to fall . . .”

“energy efficient buildings can cost less . . . with good engineering work.”

“it’s time for the engineer . . . our quality of life is supported by our productivity and that is delivered by engineers . . . incorporate the

ethics of energy conservation and environmental preservation in everything we do . . . assume the leadership role.”

Those are words of wisdom and challenge for us in the engineering community. The members participating in the meeting thought so too. The after dinner discussion was a bit more animated than usual!



**January – Randy Dahmen**

“A Chat on the Wisconsin Commercial Building Code 2006”

Talk about a tough luncheon topic! As always, Randy succeeded in bringing our members up to speed on the latest in code issues in his entertaining way that keeps everyone on track and alert. Thanks for a great job Randy.

Those who didn’t attend this session have doomed themselves to reading about it and then trying to figure out just what it means. It has got to be a much easier read after a dose of insight from Randy! It seems to me that Engineering Managers who believe Bill Coad’s advice that engineers deliver productivity would make it mandatory attendance at next year’s session for their entire team . . . why not the rest of the chapter sessions this year? Have you checked the topics – joint session on shared challenges with AIA and one with CSI, Indoor Air Quality, Sustainability, and WE Energies – looks like something to catch onto to make something great happen in your business and our community.

WISCONSIN CHAPTER OF ASHRAE  
 MAGGIE ROLL  
 10101 INNOVATION DR., SUITE 200  
 MILWAUKEE, WI 53226



MEETING DATE / THEMES	LOCATION	TOPIC	SPEAKER
February 16, 2006 <i>Joint meeting with SMACCA and PMC</i>	Midway Hotel, Brookfield	The Role of Filtration in Attaining Energy Effective and Sustainable Indoor Building Environment	Barney Burroughs
March 16, 2006	TBA	Legal Issues – Implied Warranties Found in Contract Documents	TBA
April 19, 2006 1:00-4:00pm	Webcast	Sustainability and the Building Environment	Joe Van Belleghem, CA, Kevin Hydes, P.Eng., P.E., Hal Levin, Malcolm Lewis, P.E., and Jean Lupinacci
April 20, 2006 Student Day	TBA	WE Energies	TBA
May 18, 2006	TBA	Laboratory Exhaust Systems	TBA

All meetings will be held the third Thursday of every month, except December.

\*Please note: This is a tentative schedule; topics may be subject to change.