

INFORMAIRE

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AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

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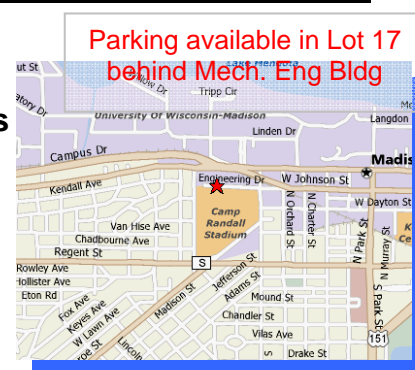
In this Edition:

Meeting Information	1	Historian	3	Program Schedule	7
Presidents Message	2	Membership	4	Chapter Contacts	7
Geothermal Session	3	CRC Region VI '07	4	Advertisers	8
ASHRAE Winter Meeting	3	Meeting Minutes	4		

DECEMBER EVENT

Submitted by: Gene Nelson

- DATE:** MONDAY Evening, January 8th, 2007
- LOCATION:** University of Wisconsin – Engineering Centers
Building - **Tong Auditorium**
1550 Engineering Drive, Madison, Wisconsin 53706
- TIME:** 4:00 – 4:30 Social Gathering
4:30 – 6:30 Tour
6:30 – 7:30 **Meeting and Dinner**
- TOPIC:** Tour of the UW-Microbial Science Building



The \$120.5 million new 330,000-square-foot Microbial Sciences Building will be a world-class, inter-college facility constructed to replace outdated and overcrowded facilities. It will coordinate University instructional and research efforts in the departments of Bacteriology, Medical Microbiology & Immunology, and Food Microbiology & Toxicology on the University of Wisconsin-Madison campus. Unique building features will include four levels of underground parking; interdisciplinary laboratory facilities for 47 research groups (500 lab personnel); 11 instructional labs with approximately 360 student stations and support facilities for the labs; a Vivarium (animal facilities) and a large, state-of-the-art international symposium auditorium. Included are nine BSL-3 labs and six BSL-3 Ag suites. The building will also include three general assignment classrooms. The general contractor is C.D. Smith.

PLEASE BRING YOUR OWN HARD HAT AND SAFETY GLASSES. Or let Gene Nelson know if you need to borrow a hard hat and glasses.

SPEAKERS: Gregg Achtenhagen , Ring & DuChateau
Dave Guberud, Ring & DuChateau
Patti Kaufmann, Ring & DuChateau
Jeff Doyle, North American Mechanical Inc

RESERVATIONS: Please RSVP to Gene Nelson at Affiliated Engineers (608-236-1232) or email gcnelson@aeieng.com no later than 5:00 p.m. Wednesday, January 3rd so sufficient meals can be arranged.

The INFORMAIRE is the MONTHLY JOURNAL of the Madison, Wisconsin Chapter of the American Society of Heating, Refrigeration and Air Conditioning Engineers. Statements in the publication are not an expression of the Society of the Madison Chapter and may not be reproduced without written permission of the Board of Governors. Editor: Mark Miller, mark.miller@mail.ashrae.org

Further information on the speakers for the Tour of the Microbial Science Building:

Greg Achtenhagen is a Principal and President of Ring & DuChateau located in Milwaukee, Wisconsin. As the HVAC engineer of record and HVAC project manager, Gregg's role on Microbial was to establish design concepts, system schematics, control strategies, prepare specifications, maintain quality control and supervise his engineer design staff. Gregg worked closely with the owner, architect and the City of Madison Fire Department utilizing computational fluid dynamics analysis to appropriately size the atrium smoke removal system to minimize project first costs.

Dave Guberud is the commissioning agent for the Microbial Science Building project. His responsibilities include development and implementation of pre-functional checklist and functional test documents for the HVAC system as well as managing and verifying usage of the plumbing, fire protection, electrical pre-functional checklist and functional test documents developed by their respective design engineers. The building contains numerous systems that interact with each other, non more interactive than the atrium smoke evacuation system, the commissioning process developed by Dave Guberud of Ring & DuChateau documents and tests these systems as one operating system. Dave Guberud's experience prior to coming on board to Ring & DuChateau was working for the past 20 years for two highly respected temperature control companies of various high level capacities.

As HVAC Project Engineer, **Patti Kaufmann's** primary role on Microbial was to coordinate all aspects of the HVAC design including overseeing energy calculations, equipment selections, ductwork layouts, piping layouts, schematics and details. During the construction phase, Patti was responsible for reviewing HVAC shop drawings; responding to contractor's request for information and construction field observations.

Jeff Doyle's official job title is Field Superintendent, however on this project he has assumed a portion of the project management duties and acts as an on-site Project Manager as well as fulfilling his role as the Field Superintendent. Jeff has been responsible for the shop drawing process, the coordination process, RFI correspondence, material, equipment, and manpower management, quality assurance, safety and a multitude of on site meetings.

Dinner: Box lunch (Turkey & cheese, ham & cheese, beef & cheese, tuna salad, and veggie croissant sandwiches, cookies or brownies, coffee, soda and bottled water, no choice required.

There is no cost for Members or Students. Non-members cost is \$30 for dinner and the featured program, which is paid at the door. Please make checks payable to [Madison ASHRAE Chapter](#).

Madison Chapter of ASHRAE "No Show" Policy: In an effort to control meeting costs, members who fail to show and fail to cancel by **NOON FRIDAY** the week before, will be asked to contribute \$30 to recover the meal costs incurred by the Chapter. Checks are made out to [Madison ASHRAE Chapter](#) and mailed to Tim Meeker, c/o JDR Engineering, 2809 Fish Hatchery Road, Suite 201, Madison, WI 53713.

PRESIDENTS MESSAGE

Submitted By: Chad Faber

Happy New Year. I would like to thank Gene Nelson and Marcie Marquardt for putting on a great December meeting. The joint meeting with the Madison Area Sheet Metals Contractors had 102 attendees. I would also like to thank the panelists for a great discussion on Value Engineering.

Just a reminder, if you signed up for a meeting and you are unable to attend, you must let Gene Nelson know 24 hrs in advance, or you will be asked to pay for your meal. In the first four meetings this year, we have had a total of 18 'no-shows'. That is nearly \$400.00 our Chapter has paid for wasted meal costs. Since we are a non-profit organization, it is important we keep our costs down and recover these losses. If you owe for a meeting missed, please send a check to the Treasurer Tim Meeker or bring it to the next month's meeting.

The winter meeting and AHR Expo this month is January 29-31 in Dallas Texas. There are over 1700 exhibitors that will occupy a 347,000 sq ft exposition center. This is a great opportunity to network, see

INFORMAIRE

new and improved products, and attend ASHRAE seminars. If you would like more information you can find it on the ASHRAE website www.ashrae.org.

Hope to see you all at this months meeting

Sincerely

Chad Faber,
Madison Chapter President

GEOTHERMAL LUNCH & LEARN

Submitted By: Manus McDevitt

The **Energy Center** is hosting a Lunch and Learn on “**Design Considerations for Commercial Geothermal Heating & Cooling Systems**” on **Thursday, February 15, 2007**. The presentation will be provided by Manus McDevitt of Sustainable Engineering Group, LLC. It will cover the fundamentals of geothermal heat pump technology including a discussion of when geothermal is appropriate for a commercial project and when it is not. The presentation will also include system design considerations including some typical methods for a variety of space types such as schools, offices, banks, museums and other commercial applications. Life cycle costs of commercial geothermal systems are an important part of the selection process and a number of calculation methods will be covered.

The **Energy Center** is located at 455 Science Drive, Madison, Wisconsin.
Also see <http://www.ecw.org/wps/lunchlearn>.

ASHRAE WINTER MEETING

Submitted By: Mark Miller

The ASHRAE Winter Meetings are coming up at the end of January as well the notorious HVAC&R Exposition of products. Many of us think of the event as the AHR Expo, however there are many activities that directly affect our Society during these meetings. Keep watch of your e-mails for announcements and results of this meeting. Consider registering, just to get the information about the event.



If anyone attends and would like to report back to the Madison Chapter, let Chad Faber, our President know and he can arrange to have some time at one of our monthly meetings. Likewise, let me know of any information that you would like to publish in the newsletter. Thanks!

HISTORIAN

Submitted By: Jeff Boldt

Last month we featured the history of the Carnes Company. Our chapter is leading the region in history PAOE points, but we need one more history to meet PAR and repeat as the chapter with the highest point total.

Please contact me if you have any interest in publishing a history of your company or of a HVAC system you designed. Histories do not need to be as deluxe as the Carnes one that we featured last month, and I can do most of the writing if you can provide the information.

Respectively submitted,

Jeff Boldt
boldtjg@kjww.com

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MEMBERSHIP Submitted By: Matt Heil

	Dec	Jan 2006	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Members	239	242	246	248	245	245	246	229	232		
Students	28	27	27	25	23	23	25	18	19		
Delinquency	29	29	32	30	28	28	25	34	33		

The membership information is not available again this month. We will look forward to it being included in next month INFORMAIRE.

Sincerely, **Matt Heil**

CRC 2007 **Sailing Into the Future** Submitted By: Mark Miller

The Chapter Regional Conference (CRC) has had exciting development during the past month as more details are put in place. Mike Meteyer has assembled a great combination of presenters relating to sustainability in our industry by providing three tracts' of topics for Friday's Technical Sessions. The Monona Terrace will be an excellent facility with their U.S. Green Building Council leadership role in our community.



Budgeting is being assembled as meal planning, tours and entertainment is details are being gathered. We are looking for entertainment ideas as well as companion activities for guests of the attendees. We welcome your ideas and assistance in putting these things in place.

Consider helping in one of the roles listed and step forward.

*Reception/Hospitality
Companion Activities
Recording Secretary*

*Advertising/Publicity
Workshops
Transportation*

*Facilities
Registration/Attendance
Photography*

Thank you, **Tom James/Mark Miller**

MEETING MINUTES Submitted By: Robb Stone

1. **PRESIDING OFFICER:** Chad Faber, President
2. **CALL TO ORDER (Time & Place)** November 15, 2006 4:00 p.m.
The Great Dane Pub
2980 Cahill Main
Fitchburg, Wisconsin
- ROLL CALL**
Chad Faber, Gene Nelson, Tim Meeker, Robb Stone, Bruce Kimball, Matt Heil, Al Zellar
3. **APPROVAL OF MINUTES**
Motion
Gene Nelson motioned to accept the October 2006 BOG meeting minutes.
Second
Tim Meeker

4. **Vote**
REPORTS
Treasurer's Report
- Unanimous
- Tim Meeker issued the treasurer's report and reviewed for the BOG. The BOG had no additional comments or revisions. Tim Meeker reported that no checks were received during the month of October from society. The board felt that the majority of the income is obtained in the spring with the end of the year being light. Gene Nelson requesting a summary of member dues received since July. We are currently \$6,800 negative on the year. We have received only \$1,700 of the anticipated \$16,000 from society. Tim Meeker will research where the money is being held up. The treasurer's report will be forwarded to the audit committee for review, comment, and approval.
- Robb Stone
Gene Nelson
Unanimous (Pending approval by the audit committee)
- Matt Heil reported on new business within the membership committee. Part of the issue with the lack of income is related to new members. The application from society only requires \$150 dues which includes \$30 in chapter dues. The chapter dues are supposed to be \$80, which would bring the total application dues to \$200. New membership chair for next year will be Dan Bergman of Masters Building Solutions. Matt will begin training Dan immediately. Members with ASHRAE membership cards will be admitted to meetings without payment. Paul Erikson has volunteered to assist on the CTTC committee.
- Motion**
Second
Vote
- Membership Committee**
5. **CTTC Committee**
OLD BUSINESS
- None.
6. **NEW BUSINESS**
December Meeting
- Meeting date is December 11, 2006.
- Awards will be given out at the December meeting. Past presidents to be contacted and notified of the meeting.
- Four \$50 restaurant gift certificates will be given out as door prizes at the meeting.
- The December meeting will be a joint meeting with the contractors. The meeting bill will be split in half. Cost will include two free drinks to each attendee. Guests (by invite) will not be charged at the door.
- PAOE Points**
- The website is back up and running. Members are encouraged to log on to update PAOE points. The new log-in requirements of the website require an email address and you will be asked to create a password.
- Chapter Website**
- Names and email addresses of members were inadvertently put on the website. This has been corrected and the information has been removed. Website lists vendors only now.
- Seminar**
- Potential seminar with ECW and ASHRAE teaming. Chad recommends pursuing this option. Consideration should be given as to whether this should be a technical session.

Full Circle

Board agrees that this should be kept separate from the CRC, however, it should be an energy related seminar.

Al Zellar reported that this year, all board members are required to make a personal contribution to ASHRAE research in order to receive the Full Circle Award.

ASHRAE is looking for a \$100 donation per board member.

PAOE points are awarded for reaching the goals.

It was decided that each officer is encourage to contribute at their own discretion.

CRC 2007

A sponsorship letter has been prepared for review by the board. A final review is expected to be done by Tom James prior to issuance.

Noted Comments:

- Create a check box form
- Include a self addressed, stamped envelop.
- Consider looking into the acceptance of credit cards.
- Minimum goal is \$6,000.

It was decided that a dedicated CRC meeting is needed. Chad to initiate.

Next BOG Meeting December 20, 2006, 4 p.m. at The Great Dane Pub in Fitchburg

7. ADJOURNMENT

Motion to adjourn: Chad Faber

Second: Robb Stone, Unanimous

5:20 p.m.

INFORMAIRE

PROGRAM SCHEDULE Submitted By: Gene Nelson

	Topic	Location	Speaker (s)	Theme
Jan 8	Tour UW Microbial Building	1550 Engineering Drive	Patti Kauffmann, Ring & DuChateau	
Feb 12	Engineers Without Borders	Campus Location To be Determined	Students with Engineers Without Borders	Membership Night, Student Night
Mar 12	LEED Case Study	To be Determined	Dan Green, A&O	Membership Night, IAQ
Apr 9	Chiller Plant Optimization	To be Determined	Steve Tredinnick, AEI	Student Night
May 14	Chilled Beams	To be Determined	Chris Lawrence, Trox	
Jun 11	Golf Outing	Stoughton Country Club		Social

CHAPTER CONTACTS

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Advertisers Wanted!

Contact Mark Miller

at

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(Address Correction Requested)

