

# INFORMAIRE

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AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

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April 2006

## *In this Edition:*

Meeting Information	1	Golf Outing	4	Meeting Minutes	6
Presidents Message	2	Membership	4	Satellite Broadcast	9
CRC Conference	2	Scholarship	5	Program Schedule	9
Student Activities	3	90.1 Seminar	5	Chapter Contacts	9
Nominations	3	Science Fair`	5	Advertisers	10

## APRIL MEETING *Student Night*

Submitted by: Chad Faber

**DATE:** MONDAY Evening, April 10th, 2006

**LOCATION:** Holiday Inn – Madison West  
1109 Fourier Drive, Madison, Wisconsin 53717

**TIME:** 5:00 – 6:00 Social Gathering  
6:00 – 6:45 Meeting and Dinner  
6:45 – 7:45 **PROGRAM PRESENTATION**

**TOPIC:** Energy Modeling Simulation

- Purpose of energy modeling
- ASHRAE's standards/guidelines as they pertain to modeling
- Energy model / model construction basics
- Simulation review

**SPEAKER:** Dan Pliner and Tim Meeker  
Mr. Pliner has been involved with energy conservation projects for over 16 years with involvement in Wisconsin Energy Initiative I and III. He has been involved with many different types of energy conservation projects from in depth existing building studies to new building design approaches where total building energy usage is evaluated.

Mr. Meeker has experience in HVAC design and project management for a wide variety of commercial, institutional, justice, and industrial projects. He actively involved in energy studies, building energy modeling, boiler system design, chiller system design, large piping and pumping system design, and large air handling system design for both new buildings and retrofit of existing buildings.

**RESERVATIONS:** Please RSVP no later than Wednesday, March 8<sup>th</sup> so we will have enough dinners.

There is no cost for Members or Students. For non-members the cost is \$30 for dinner and the featured program. Pay at the door. Please make checks payable to Madison ASHRAE Chapter. To make reservations, e-mail Chad Faber at [cafaber@pecllc.com](mailto:cafaber@pecllc.com) (preferred) or call (608) 225-0322.

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](mailto:mark.miller@mail.ashrae.org)

**PRESIDENTS MESSAGE**

Submitted By: Bruce Kimball

The Chapter Regional Conference (CRC) is going to be held in Saint Louis, MO on April 27-29. This is a great time to learn from other ASHRAE chapters, attend great seminars, and attend workshops on how to perform the various Board of Governor roles. The chapter has set aside some funds to offset personal expenses for those who attend, but the funds are limited so please submit a request if you are thinking of attending.

Speaking of chapter funds, each month the Board of Governors (BOG) meets to discuss chapter operation. All members are welcome to attend any BOG meeting. One of the agenda items at all BOG meetings is the chapter finances. For many years the chapter has had a large amount of money, over \$20,000, in an account. This year we made some significant changes to the financing of the chapter. In particular, the membership approved raising the chapter dues to \$80 per member with the understanding that the chapter meeting, dinner and speaker, would be free to members in good standing. The BOG recommended this change knowing that the dues increase would not become affective until we were many months into the 2005/06-year. As a result of this, the chapter has been consuming a significant amount of our reserve because many members are receiving this benefit without having been billed the dues increase. The BOG believes that the chapter money is YOUR money and giving it back to the members is acceptable. We have also seen some significant one-time costs associated with setting up for the 2007 CRC, and having an accountant review our chapter finances. The BOG voted to maintain the chapter dues at the \$80 level for the upcoming year. This amount is not projected to cover our anticipated budget. The BOG does not use the chapter meetings as a means to raise chapter funds. The cost of the meetings historically surpasses the amount collected, but we believe other fundraisers will provide adequate funds to supplement any budget deficiency. Our normal fundraisers include the Golf outing and seminars. Next year we will be hosting the CRC, which also, historically, raises funds for the chapter. The BOG tries to give you the best return on your time and money. We had a great seminar on applying the ASHRAE 90.1-2004, but we did not attempt to generate significant funds from this event as the BOG strived to educate the members instead of make a profit for the chapter. The golf outing is another event used to generate funds. This is always a great time to network and have some fun.

Thank you to all who continue to support our chapter. We, at the Board level, will continue to do our best to serve you.

**Chapter Regional Conference CRC**

Submitted By: Mark Miller

**Region VI Regional Chapter Conference is April 27<sup>th</sup> - 29th!**

The annual Region VI Conference is taking place in St. Louis, MO at the end of April. Registration is available on their website at <http://crc.ashrae6.org>. Early registration discounts ends on Friday, so get registered soon. This year's conference will be held at the Hilton-St. Louis Frontenac. The technical sessions are the most attractive feature of these conferences if you are not involved in the Chapter operations. The Technical Sessions are titled "**Temperature Controls Systems: Why They Don't Work**" and include a keynote address by William Coad, PE, Past Society President as well presenters from a consulting engineer, contractor, owner and a commissioning agent.



## INFORMAIRE

Committee Chairmen are strongly encouraged to attend to exchange ideas with other chapters, as well as participate in workshops on Saturday morning. The ideas generated will help with your committee activities and provide effective means to work within our local Chapter.

Feel free to contact any of our Board Of Governors about the CRC and the importance to our local operations.

### STUDENT ACTIVITIES

Submitted By: Wayne Prior

**April is our second** meeting honoring the students. We are inviting the students interested in the HVAC industry from the Madison and Platteville campus to join us.

We typically give out past ASHRAE handbooks to the students who come. This year we are short on handbooks. We are looking for your old ASHRAE handbooks to be passed on to the student members. If you have any handbooks collecting dust on your shelf I ask you to bring them to the April meeting or call me (Wayne Prior @ 288-8338) and we will arrange to pick them up. Your donation is greatly appreciated.

We are also looking for companies interested in hiring students for the summer, on a part time basis or as an intern. Students can pay for them selves with little guidance as well contribute some new ideas. An experience such as this can influence a young person for a lifetime. Please keep this in your mind as you look at your workload and let me know if you have any thoughts. I would gladly arrange to connect you with a student.

Sincerely,

**Wayne D Prior, PE**

### STUDENT ZONE

Submitted By: Benny Skelton

ASHRAE Region VI announces the launch of the Student Zone (<http://studentzone.ashrae6.org/>). The Student Zone has been created to help students in Region VI Chapters find jobs, scholarships, and learn about the HVAC&R industry. The Student Zone currently offers a message board and a blog for posting stories, comments, questions, etc. One of the more exciting features is the addition of the e.Mentoring system (<http://studentzone.ashrae6.org/ementor.php>). This is a free program open to all student members in the Region.

Students register by entering basic contact information and they will be assigned to a mentor somewhere in the Region. This is a great opportunity for students interested in learning about HVAC&R industry and making the transition from school to career. We have several mentors signed up and waiting, so register today, it only takes a minute and it's free!

In the coming weeks we will be posting a free resume board for students to post their resume. Several employers from all over the country have asked about the resume board and are anxiously awaiting its launch.

**Benny Skelton** ASHRAE Region VI  
e.Committee Chair  
[webmaster@ashrae6.org](mailto:webmaster@ashrae6.org)

**NOMINATIONS**

Submitted By: Wayne Prior

The nominating Committee has selected the following individuals as nominees for the 2006-2007 Madison Chapter of ASHRAE officers:

Past President	<i>Bruce Kimball</i>
President	<i>Chad Faber</i>
President Elect	<i>Gene Nelson</i>
Treasurer	<i>Tim Meeker</i>
Secretary	<i>Rob Stone</i>
Member at Large	<i>Mat Heil</i>
Member at Large	<i>Manus McDevitt</i>

Elections will take place at the June meeting following the Golf Outing.

Sincerely,

**Wayne D Prior, PE**

**GOLF OUTING**

Submitted By: Michel Robert

The weather is warming up and the date is getting nearer to the annual ASHRAE Golf Outing. Make sure your calendar is clear and start your exercises to be ready for the event of the year. The date is **June 12, 2006**. The format will be the same as previous years, and we will return to **Stoughton Country Club**. The golf course and the clubhouse are ready after recovering from the tornados last year.

Watch for the details to follow.

**Golf Committee Chair-Michel Robert (608) 275-7501**

**MEMBERSHIP**

Submitted By: Matt Heil

2005	June	July	August	September	October	November	December	January 2006	February
Members	232	226	229	233	234	238	239	242	246
Students	23	22	22	24	31	30	28	27	27
Delinquency	17	62	51	42	34	31	29	29	32

We would like to congratulate **Mr. John Steinhoff, Mr. Trevor Smith, Mr. Edward Schnaubelt** from Trane Company, and Mr. Bruce Senti as our new ASHRAE members. Please help us on making them feel welcome to our organization.

Members can now pay for up to three years of membership or associate membership in one transaction and receive a 10% discount on the second or third year of payment. If you pay for two years of membership, you will get a \$15 discount off the total payment. If you pay for three years of membership, you will get a \$30 discount off the total payment. Please note that multiyear payments must be made by phone or mail. Chapter dues payments will be accepted at headquarters with society dues payments only if chapter payments are made in the same multiyear increments. For example, when a member pays two or three years of society dues, he will need to pay chapter dues at the same time to headquarters in the same two or three years increments.

Applications for new members can be filled out on line at <http://www.ashrae.org/>, or I would be happy to email you an application.

**SCHOLARSHIP COMMITTEE**

Submitted By: Mitch Hagens

***SCHOLARSHIP COMMITTEE MEMBERS NEEDED!***

The Scholarship Committee would like to add two new members. The only qualifications are membership in ASHRAE (including the Madison Chapter) and an interest in promoting our industry to local engineering students. The current committee consists of Dick Pearson, Harry Sulzer, Tim Shedd and Mitch Hagens.

The workload of this committee is very minimal. We evaluate scholarship applications from students and determine who will receive ASHRAE scholarships. All of this work is done via email, so there are ***no committee meetings***. Each committee member spends about 3 hours a year on this work, during the months of April through June of each year.

I have been on this committee for the past 14 years and have found it to be a very easy and rewarding way to serve ASHRAE. If any of the following “hit home” with you, please give me a call or send me an email.

***Top 5 Reasons to Join the Scholarship Committee.***

- 1. I like to give away money.***
- 2. I don't like meetings.***
- 3. We need to attract new engineers to the HVAC industry.***
- 4. I want to serve on an ASHRAE Committee, but I'm really busy.***
- 5. Did I mention that I like to give away money?***

*Thank you,*

***Mitch Hagens***, Scholarship Committee Chair Phone: (608) 241-4328

Email: mhagens@naminc.com

**90.1 SEMINAR**

Submitted By: Mark Miller

The 90.1 Seminar held last month at the Sheridan Madison Hotel was a great success. **Jeff Boldt**, PE with KJWW Engineers did a great job providing our members and guests with an overview of the requirements for designing energy efficient buildings under the 90.1 Standard. The printed versions of the Standards were available to purchase at a reduced price. **Ingrid McMasters** of KJWW provided an informational session on lighting and power along with Jeff Boldt's discussion on Service Water Heating, HVAC, Energy Cost Budgets, and special impacts on healthcare.



**ELEMENTARY SCHOOL SCIENCE FAIR**

Submitted By: Mark Miller

**Oregon Elementary Schools**, held a Science Fair on March 18<sup>th</sup> at the Prairie View Elementary School. Members, **Wayne Prior**, **Robb Stone** and **Mark Miller** helped evaluate the projects and talk with first through fourth graders about their Science Projects. Volcano's to electrical circuits were displayed and described to the evaluators and guests. The Oregon PTO extend their thanks to the Madison Chapter of ASHRAE members for volunteering their time for the students.

**MEETING MINUTES**

Submitted by: Tim Meeker

1. **CALL TO ORDER  
(Time & Place)  
ROLL CALL**

March 22, 2006 4:06 p.m.  
Babes Bar and Grill, Madison, Wisconsin  
Chad Faber, Mike Gall, Mitch Hagens, Matt Heil, Tom James, Bruce Kimball, Tim Meeker, Gene Nelson, Wayne Prior, Robb Stone
  
2. **APPROVAL OF MINUTES**

Motion Chad Faber motioned to accept the February 2006 BOG meeting minutes.

Second Tom James

Vote Unanimous
  
3. **REPORTS**

**Treasurer's Report**

Gene reported that there was not a lot of financial activity last month. We cashed in a CD for more chapter operating capital, including down payment on the Monona Terrace for CRC 2007. We have approximately \$13,000 in operating capital. Gene and Tim need to meet with the CRC committee to be kept abreast with CRC 2007 budgets and required operating capital. This meeting should be scheduled soon. Gene would like the audit committee to review the current treasurer's report as soon as possible.

Motion Chad Faber motioned to conditionally accept the March 2006 BOG treasurer's report pending the audit committee review and approval.

Second Tom James

Vote Unanimous

**Scholarship Committee**

The BOG asked Wayne and Mitch to attend the BOG meeting to get a better grasp of how the Scholarship Committee functions and the challenges they face. There are currently (4) members on the Scholarship committee (the committee is always looking for new members). Mitch will write something for insertion into the INFORMAIRE and make a small presentation at the next Chapter meeting. The Scholarship Committee offered the following information, including answers to several BOG questions:

  - The purpose of the Scholarship Committee is to encourage students into this profession.
  - The Madison Chapter serves UW-Madison and UW-Platteville. The Wisconsin Chapter serves the Milwaukee area. There is an understood agreement between Chapters that scholarships will not be offered "across lines".
  - The number of scholarship requests between UW-Platteville and UW-Madison students varies by year. Recently, there have been more requests by Madison students.
  - Scholarship applicants must have demonstrated an interest in this field to be considered. This is the #1 criterion (academics are #2).
  - Current student/job trends include:
    - Many students have multiple engineering job experience thru co-ops and internships before graduation.
    - There are many opportunities for students to obtain engineering related experience thru co-ops and internships.
    - Scholarship applicants have multiple engineering job experience.

- The Scholarship Committee does not get a lot of feedback for scholarship recipients after 1-2 years. We don't have any hard numbers on percent of students that actually go into the profession (we suspect that they do, as their work experience indicates significant interest in the field).

Since the HVAC profession is not "pushed" at either the UW-Platteville or Madison campuses, a discussion followed with ways to further promote the profession at each campus:

- Have the Chapter attend a career fair on campus. Mitch will send Bruce information on campus career fairs.
- Have Chapter members help teach or support a class on campus.
- Use the Chapter as a "matchmaker" between students and firms
  - Have a Chapter "booth" during an employer fair. Students could submit resumes to the Chapter, with the Chapter then distributing to Madison firms.
- Make a presentation at an ASME meeting.
- Start a local mentoring program for students.
- Expand the scholarship program to 2-year schools.
- Increase the scholarship amount.

The BOG thanked Mitch and Wayne for the information and their hard work on the Scholarship Committee. This discussion will be tabled and discussed at future BOG meetings for further direction.

**Nominating Committee**

Robb Stone has accepted nomination to move into the Secretary position.

The committee has an individual in mind for nomination to the BOG. The committee has to approve first.

All current BOG members interested in moving to the next position officer position need to send Wayne written acceptance.

**CRC 2007 Committee**

Things are moving rapidly for the committee.

The graphic to be used in conjunction with CRC 2007 is completed. The theme for CRC 2007 is "Sailing into the Future". This graphic and theme will be distributed at CRC 2006 in St. Louis as a "teaser" for the 2007 CRC.

The committee has reserved the Monona Terrace Community and Convention Center and Hilton. Rooms at The Concourse have also been reserved for a "less expensive" lodging alternative.

The committee is reluctant to try and organize a "bus tour" type of event, due to potential logistics. The Overture Center may present a nice tour/event.

Mark and Tom are working out committee lists with the current pool of volunteers.

Gene and Tim will start to get involved on the financial end, working with the committee.

The CRC 2007 website is not up and running yet, but should be soon.

**4. OLD BUSINESS  
90.1-2004 Seminar Review**

The Standard 90.1-2004 seminar was reviewed and discussed. Preliminary financial numbers indicate that the Chapter will have approximately \$2000 in income from the seminar. Mike will forward final numbers to Gene.

There were 10 no-shows for the seminar (70 people signed up, 60 people in attendance). It was determined that we will try to collect money from the no-shows. Mike will send out an email to these individuals requesting payment. Mike will also let Gene know who still owes money.

The seminar and associated logistics were discussed “post-mortem”. The purpose of the discussion was to generate comments/ideas to make future seminars better. BOG comments generated include:

- In general, the seminar was a good idea. Make a seminar an annual event.
- Have an ASHRAE welcoming committee, consisting of BOG members.
- Have nametags available for seminar attendees and organizers.
- In general, the BOG was pleased with the presentation, with the following comments:
  - More general “overview” of 90.1 would have been beneficial.
  - Some areas of 90.1 were skimmed over a little too much, including envelope information. The seminar was marketed to more than HVAC engineers, including some architects and facility managers and this information would have benefited these individuals.
- Mike could have used more help in organizing the seminar
- For future seminars, the BOG should review the following items before the seminar begins:
  - Seminar concept.
  - Presentation outline.
  - Power point presentations.
  - Handouts.

We still have approximately 15 copies of Standard 90.1-2004 and the associated User’s Manual available. Contact Mike if interested (and attended the seminar) before they are returned.

The BOG thanked Mike Gall & Jeff Bolt for their hard work in putting the seminar together.

Chad and Bruce need to register by April 1<sup>st</sup> to receive the early bird discount. The BOG has already budgeted money for attendance.

Chad encouraged people to attend CRC as it has a lot of good information. Try and at least attend the Saturday seminars.

The April meeting is also Student Night.

None to report.

April 17, 2006, 5 p.m. at Babes Bar and Grille.

## CRC 2006

### April Chapter Meeting

### 5. NEW BUSINESS

### Next BOG Meeting

ADJOURNMENT 5:16 p.m.

**SATELLITE BROADCAST/WEBCAST**

Submitted By: Mark Miller

The spring Satellite Broadcast/Webcast of 2006 is still on for April 19<sup>th</sup>. "Sustainability and the Building Environment" produced by ASHRAE will be another valuable event to experience. More information is available at the official webpage [www.ashrae.org/greenbuildingsbroadcast](http://www.ashrae.org/greenbuildingsbroadcast).

Presenters and moderators, frequently asked questions, on-line registration dates, agenda and ASHRAE "Green" publications, courses, and Distinguished Lecturers will be found there. Comments and questions can be directed to Rosy Douglas at [rdouglas@ashrae.org](mailto:rdouglas@ashrae.org) or (678) 539-1128.

**PROGRAM SCHEDULE**

Submitted By: Chad Faber

	<b>Topic</b>	<b>Location</b>	<b>Presenter</b>	<b>Event</b>
<b>Apr 19</b>	<b>Sustainability and the Building Environment</b>		Satellite Broadcast/Webcast	
<b>May 8</b>	<b>Schoeps Tour of Cold Storage Facility</b>		Paul Thompson, Schoeps	
<b>Jun 12</b>	<b>Golf Outing</b>	Stoughton Country Club		Social

**CHAPTER CONTACTS**

**OFFICERS:**

		<b><u>Phone</u></b>	<b><u>Fax</u></b>	
<b>PRESIDENT:</b>	Bruce Kimball	(608) 276-9200	(608) 276-9204	<a href="mailto:kimball@strang-inc.com">kimball@strang-inc.com</a>
<b>PRESIDENT-ELECT:</b>	Chad Faber	(608) 225-0322	(608)	<a href="mailto:cafaber@pecllc.com">cafaber@pecllc.com</a>
<b>TREASURER:</b>	Gene Nelson	(608) 238-1232	(608) 238-2614	<a href="mailto:gcnelson@aeieng.com">gcnelson@aeieng.com</a>
<b>SECRETARY:</b>	Tim Meeker	(608) 821-8500	(608) 821-8501	<a href="mailto:tmeeker@arnoldandosherridan.com">tmeeker@arnoldandosherridan.com</a>
<b>PAST PRESIDENT:</b>	Tom James	(608) 845-6411	(608) 845-6470	<a href="mailto:TJames1229@aol.com">TJames1229@aol.com</a>
<b>BOARD OF GOVERNORS:</b>	Matt Heil	(608) 833-7000	(608) 833-6996	<a href="mailto:mheil@henneman.com">mheil@henneman.com</a>
	Rob Stone	(608) 277-1728	(608) 821-8501	<a href="mailto:stone@jdreng.com">stone@jdreng.com</a>

**COMMITTEES:**

<b>CRC DELEGATE:</b>	Bruce Kimball	(608) 276-9200	(608) 276-9204	<a href="mailto:kimball@strang-inc.com">kimball@strang-inc.com</a>
<b>CRC ALTERNATE:</b>	Chad Faber	(608) 836-8055	(608) 836-5818	<a href="mailto:cafaber@pecllc.com">cafaber@pecllc.com</a>
<b>CTTP:</b>	Mike Gall	(608) 270-0370	(608)	<a href="mailto:MGall@mastershvac.com">MGall@mastershvac.com</a>
<b>GOLF:</b>	Michel Robert	(608) 270-0370	(608)	<a href="mailto:MRobert@mastershvac.com">MRobert@mastershvac.com</a>
	Doug Bergman	(608) 270-0370	(608)	<a href="mailto:DBergmann@mastershvac.com">DBergmann@mastershvac.com</a>
<b>HISTORIAN:</b>	Jeff Boldt	(608) 223-9600	(608) 233-9601	<a href="mailto:boldtjg@kjww.com">boldtjg@kjww.com</a>
<b>MEMBERSHIP:</b>	Matt Heil	(608) 833-7000	(608) 833-6996	<a href="mailto:mheil@henneman.com">mheil@henneman.com</a>
<b>NEWSLETTER:</b>	Mark Miller	(608) 835-1944	(866) 422-2290	<a href="mailto:mark.miller@mail.ashrae.org">mark.miller@mail.ashrae.org</a>
<b>PROGRAM:</b>	Bruce Kimball	(608) 276-9200	(608) 276-9204	<a href="mailto:kimball@strang-inc.com">kimball@strang-inc.com</a>
<b>REFRIGERATION:</b>	Terry Riker	(608) 271-7500	(608) 327-2363	<a href="mailto:triker@tsihvac.com">triker@tsihvac.com</a>
<b>RESOURCE PROMOTION:</b>	Al Zeller	(608) 241-9342	(608) 837-0278	<a href="mailto:azeller@capitolmechanical.com">azeller@capitolmechanical.com</a>
<b>SCHOLARSHIP:</b>	Mitch Hagens	(608) 241-4328	(608) 241-2710	<a href="mailto:mhagens@naminc.com">mhagens@naminc.com</a>
<b>STUDENT ACTIVITIES:</b>	Wayne Prior	(608) 288-8338	(608) 288-8388	<a href="mailto:prioreng@mcleodusa.net">prioreng@mcleodusa.net</a>
<b>WEBMASTER:</b>	Zach Obert	(608) 249-9322	(608) 249-0307	<a href="mailto:zacko@weccusa.org">zacko@weccusa.org</a>

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