

# INFORMAIRE

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AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS

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November 2004

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## NOVEMBER MEETING

Submitted by Bruce Kimball

**DATE:** Monday, November 8th, 2004

**EVENT:** KITCHEN HVAC DESIGN

**LOCATION:** Coliseum Bar and Banquet,  
232 Olin Avenue, Madison, WI

**PROGRAM:** 5:00 – 6:00 Social Gathering  
6:00 – 6:45 Meeting and Dinner  
6:45 – 7:45 Program Presentation

**SPEAKER:** Jay Woody, Regional Manager, Captive-Aire Systems, Inc.

**PROGRAM:** Jay Woody has over 13 years of experience in all aspects of kitchen Ventilation. His experience includes design, layout, electric control, direct and indirect fire heating make-up, DX cooling, fire suppression, energy analysis, testing and balancing, equipment service and trouble shooting. Jay has several thousand systems designed and installed in the Wisconsin area including corporate cafeterias, hospitals, schools, hotels, restaurants, churches, and many more.

**RESERVATIONS:** Cost is \$20 for members and guests and \$1 for students. Pay at the door. Please make checks payable to Madison ASHRAE Chapter. Please **RSVP by noon Wednesday, November 3<sup>rd</sup>** to Bruce Kimball at [kimball@strang-inc.com](mailto:kimball@strang-inc.com) (preferred) or call (608) 276-9200.

**MEAL CHOICE:** Please indicate your dinner selection when replying with **New York Strip, Broiled Salmon Steak** or **Chicken Apple Almond**.

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)

**PRESIDENT'S MESSAGE**

Submitted by: Tom James

What a great tour of the MG&E Cogeneration Power Plant at our October meeting!

A heartfelt Thank You to Tim Blienfernicht and his people for their time and expertise in allowing us to view this project at such an informative stage of the construction, and for the electronic presentation explaining the project. Thank also to Dan Dudley and Bruce Kimball for the planning and execution that made this tour such a great success!

Our November meeting will provide information that on designing kitchen hoods, with attention to all the challenges of providing acceptable air quality in a inherently difficult environment. I invite you all to attend.

The featured committee at the November meeting will be Resource Promotion. The Madison Chapter has been a very large contributor to this valuable function of ASHRAE in providing seed money for the ASHRAE research and education that allows us to progress as an industry. Your contributions to date are greatly appreciated, and I encourage you to continue to contribute via our monthly meeting raffles or directly to ASHRAE through Al Zeller.

Our student recruitment and support activities are in full swing. Any support you can provide via contacts, educational materials, speaking at student meetings, etc. would be very helpful. Specifically, Wayne Prior is requesting donations of old ASHARE handbooks that we can provide to support the student chapter at both the Engineering Libraries at Madison and Platteville, and as well as a dedicated ASHRAE Student Chapter desk being provided at the UW Madison. Wayne, or any member of the BOG will be pleased to accept your donation.

Thanks to everyone for their contributions to ASHRAE! See you at the meeting!

God Bless the soldiers whose sacrifices preserve our freedoms! God Bless the United States of America!

Respectfully Submitted,

*Tom James*- President, Madison Chapter

**MEMBERSHIP**

Submitted By: Matt Heil

	<u>July 2004</u>	<u>August 2004</u>	<u>September 2004</u>
<b>Members</b>	<b>216</b>	<b>217</b>	<b>219</b>
<b>Students</b>	<b>42</b>	<b>42</b>	<b>42</b>
<b>Delinquency</b>	<b>55</b>	<b>42</b>	<b>39</b>

We would like to congratulate Mr. James Temus from Strand Associates Inc., as a new ASHRAE Associate member. We would also like to congratulate three new student members: Ms. Robin Maly, Mr. Kurt Engelbrecht, and Ms. Katherine Edwards. Please help us on making them feel welcome to our organization.

We are continuing to concentrate on delinquent members. While doing this, we are finding that member's information in the ASHRAE database is not up to date. If your information has changed (for example; emails, work place, address, phone number, etc.), please either contact us or change it on

line. To change your information online go to <http://www.ashrae.org/>, go to the "Membership Resources" at the top, then proceed to the "Manage Your Membership" on the right side of the page, and click "Address Change" in the center of the page. Proceed to the link and fill out your information. Once again, if you send us your information, we are happy to take care of this for you. We only ask that you provide us with your member number if possible. We have found that the process is accelerated when dealing with customer service.

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.

**PRODUCT DIRECTORY**

Submitted By: Mark Miller

*Attention Members and Vendors;*

Production and distribution of the Product Directory will take place this year, I assure you. I am working on completing it and have done a lot of work to prepare for finalizing it. Other priorities have distracted me from accomplishing my goal of October, but I am not giving in. Advertisers that were in the 2000 version, will be contacted to be a contributor again. If you or someone you know would want to be included in the Product Directory, contact me, Mark Miller at [mark.miller@mail.ashrae.org](mailto:mark.miller@mail.ashrae.org) or (608) 835-1944. I hope to have my letters out this month, with the deadline for returning to me before the end of November.

All members and advertisers will receive a copy of the Product Directory. Additional copies will be available for a nominal fee.

Thanks.

*Mark Miller, Newsletter Editor*

**RESOURCE PROMOTION**

Submitted By: Al Zeller

The December Meeting will be our annual Donor Recognition Night for all Honor Roll Contributors.

**MADISON ASHRAE CHAPTER  
RESOURCE PROMOTION 2003-2004**

**HONOR ROLL**

**\$1,367**

Madison ASHRAE Chapter with Resource Promotion Raffle Proceeds

**\$1000**

Charles and Joan Dorgan  
Hooper Corporation/General Heating & Air Conditioning  
Research Products Corporation

**\$750**

Affiliated Engineers, Inc.

**\$500**

Angus Young Associates  
Heating, Piping, Cooling Council  
Marshall Erdman & Associates

**\$400**

American Family Insurance Group

**\$350**

Madison Trane  
Temperature Systems, Inc.

**\$300**

Carnes, Inc.  
Sub-Zero Freezer Company

## INFORMAIRE

### \$250

Arnold & O'Sheridan  
Environmental Systems Analysis, Inc.  
North American Mechanical, Inc.  
Pearson Engineering  
Strang, Inc.

### \$200

Capitol Mechanical, Inc.

### \$150

Bruce Boiler Burner & Equipment Inc.  
Commercial Air  
Hunzicker Riley  
Madison Johnson Controls Inc.  
Prior Engineering Services

### Other Contributors:

Harker Heating & Cooling  
Hein Engineering Group  
Madigan Refrigeration & Energy Systems  
Pharo Heating Company  
Whiteside Facilities Engineering  
Norman Benz  
George Bridwell

### \$100 for Individuals

Chad Faber  
Tom James  
Bruce Kimball  
Mark Miller  
Dr. John Mitchell  
Ron Tilley  
Steven Tredinnick  
Al Zeller

Ken Hunzicker  
Professor Sanford Klein  
Thomas Malesevich  
Gene Nelson  
Michel Robert  
Dr. Kurt Rolle

*Al Zeller, Resource Promotion Chairman*

## MEETING MINUTES

Submitted by: Gene Nelson

### BOG MEETING:

- PRESIDING OFFICER:** Tom James, President
- CALL TO ORDER** (Time & Place) September 30, 2004 4:12 p.m.  
J.T. Whitney's Pub & Brewery  
674 S. Whitney Way  
Madison, Wisconsin
- ROLL CALL** Tom James, Bruce Kimball, Chad Faber, Rob Stone, Mike Gall, Wayne Prior
- APPROVAL OF MINUTES**  
**Motion** Tom James motioned to accept the August 2004 BOG meeting minutes.  
**Second** Chad Faber  
**Vote** Unanimous
- REPORTS**  
**Student Chapter Committee** Wayne Prior came to discuss student activities. Planned activities include participating in the upcoming Walnut Street Co-gen plant tour with the Madison ASHRAE Chapter and an ASME student chapter tour. Many students interested per Mike Gall at Careers Fair. Mike will get name from UW Engineering Career Personnel to Wayne Prior for promotion of ASHRAE.  
Things that can be done at Chapter meetings to promote ASHRAE to students include getting the number of students then do prizes, subs, etc. Wayne would like to promote co-op/intern opportunities. He would like to get commitments from companies who are looking for co-op/interns.

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- Motion** Chad Faber made a motion to contribute \$10.00 per student to support Wayne's recruitment meeting that is now scheduled for Monday, Nov. 1st.
- Second Vote** Bruce Kimball seconded the motion.  
Unanimous  
Wayne asked members to bring old ASHRAE handbooks for students. Wane asked the BOG members to speak at schools. Maybe Wane and Mike Gall will speak a the UW (Pi Tau Sigma). Also scheduled for Science Fair judging.
- CTTC Committee** The CTTC committee would like to sponsor a seminar this coming year. The committee is looking for ideas. They will talk to the Wisconsin Chapter for ideas. The committee needs committee members for this seminar. It was suggested to have a distinguished lecturer. Could get list of topics from satellite broadcasts or last year's survey. Goal is to have a seminar in February. We could get 25 PAOE points for speaking to government officials, including school boards, about ASHRAE.
- Treasurer's Report** We had 24 members that paid for the cafeteria plan. Chad brought up the cost for the Internet service. We are currently paying \$24 per month to use TDS for our webpage, however the board has approved using our Regional site for our webpage. We will continue to use TDS until we have confirmation that we are up and running from Zach Obert.
- Motion** Bruce Kimball motioned to accept the August 2004 treasurer's report.
- Second Vote** Tom James  
Unanimous
- Programs** Bruce said the tour of the MG&E Co-gen plant was set for Oct. 11th. Bruce discussed types of gifts to be given for speakers/Owner. Ideas include plaques, shirts.  
We are planning a joint tour of Epic in early spring with ASPE (Plumbing Engineers. Bruce will work with Sarah Balz of ASPE to coordinate.
6. **OLD BUSINESS** None.
7. **NEW BUSINESS**
- Chapter Goals** Tom James reported that the CRC committee is getting started. Monona Terrace requires 18 months notice.  
Tom would like to discuss the following topic at the November meeting.
1. Should we have tech sessions before chapter meetings?
  2. Should vendor displays be allowed before Chapter meetings?
- Next BOG Meeting** Next date to be determined.
8. **ADJOURNMENT** 5:18 pm  
*Reported By: Mike Gall filling in for Gene Nelson.*

### Chapter Meeting:

1. **PRESIDING OFFICER:** Tom James, President
2. **CALL TO ORDER (Time & Place)** October 11, 2004 4:40 p.m.  
WARF Building - Room 132/  
MG&E Walnut Street Co-Gen Plant/  
Best Western Inntowner  
Madison, Wisconsin
3. **PROGRAM** Tim Bliefernicht present a technical summary of Madison Gas & Electric/University of Wisconsin co-venture. The system consists of two 47 MW gas turbine/generator sets, heat recovery boilers, two 34 MW steam turbine/generator sets, and a 20,000 ton electrical centrifugal chiller plant. The \$180 million plant provides up 500,000 pounds per hour steam and 20,000 tons of cooling to the university while providing MG&E up to 150 MW of electrical output. Catalytic reactors keep the NOX levels below

- 2.5%. Overall plant efficiency can approach 70% compared to a standard 30 to 35% efficiency for a standard power plant.  
The presentation was followed by a tour of the 80,500 square foot MG&E Walnut Street Co-Gen Plant.
4.     **PRESENTATIONS**  
Tom James presented Jeff Boldt with a Gold Ribbon for History Award, which was originally presented to our chapter at the CRC. Jeff Boldt presented Mike Meteyer with a Gold Ribbon for History Award for his efforts in producing a tremendous history of Marshall Erdman. .  
Research and Promotion committee held their monthly raffle for an overnight stay at the Wilderness Lodge in Wisconsin Dells. The prize was donation. 100% of the raffle monies will go to the Research and Promotion Fund.
5.     **ADJOURNMENT**  
7:40 pm  
*Reported By:*                     *Gene Nelson.*

**COMMITTEE ASSIGNMENTS**

Submitted by: Mark Miller

**Historical Committee: Jeff Boldt, Chairman**

Perminder Ahluwalia  
Harold Balch  
Alexander Barghout  
Kurt Beilman  
Jeffrey Boldt  
Eric Brodsky  
Liz Brown  
Jon Buitter  
James Campbell  
Ashok Chopra  
Mahmood Darvish  
Peter Davis  
Daniel Dettmers  
Charles Dorgan

Frederick Elder  
Dave Esser  
William Fink  
Brian Gallagher  
Scott Grefsheim  
David Jones  
Kevin McGarry  
Phillip Michalski  
Benjamin Miller  
Gene Nelson  
Zachary Obert  
Roger Porter  
Frank Raufeisen

Stephen Rowland  
Gerald Schnelle  
Vicky Sievert  
Matthew Steensrud  
David Stockland  
Anton Tenwolde  
Ronald Thomas  
Eric Truelove  
Lynn Wallace  
Allen Wilkins  
Brian Winterle  
Ronald Wroblewski  
Hajime Yoshida  
Peter Zielski

**Membership Committee: Matt Heil, Chairman**

David Bien  
Paul Bohme  
Suzanne Bowen  
Michael Broge  
Brian Debaker  
John Delany  
Jim Doll  
David Easter  
Brady Farrell  
Bradley Heeres  
Matt Heil

Michael Hein  
Pat Higgins  
James Kraus  
Charles Kurth  
Robert Lamuro  
Ryan Marks  
Wesley Marquardt  
Timothy McDowell  
Timothy Meeker  
Dwayne Murphy

Ron Nagy  
John Nelson  
Donald Neumeyer  
Scott Olsen  
Jerry Packham  
Jeffrey Parker  
Paul Sikir  
Mark Springer  
Richard Wagner  
Scot Whitney

**Program Committee: Bruce Kimball, Chairman**

Alexander Barghout  
Thomas Benell  
John Bloemer  
David Bradley  
Thomas Cappellin  
Steve Carlson  
Carroll Ed

Chad Dorgan  
Rick Flock  
Clyde Fuhrmeister  
Rick Heeren  
Clark Heinzelman  
David Hoepker

John Ipsen  
John Jaschinski  
George Jolivette  
Bruce Kimball  
Kevin Lichtfuss  
Manus Mcdevitt  
Michael Meteyer

**Program Committee: Bruce Kimball, Chairman (con't)**

Tim Millar	Gerard Rabas	Daniel Stoil
Mark Miller	Don Roberson	Keith Swartz
Kneale Nemmetz	Wesley Roberts	Gary Turner
Robert Plasschaert	Scott Saunders	Douglas Van Leuven
Daniel Pliner	Alan Schultz	Bruce Wallbaum
James Procknow	David Shaw	Jeff Walter
		Len Warmanen

**Resource Promotion: Al Zeller, Chairman**

Nathan Blair	Todd Jekel	Gregory Schnelle
James Corkery	Tao Jia	Doug Schorr
Daniel Dehnert	Jim Kreston	John Schulz
William Dries	Roger Lautz	Troy Schwenn
David Ersland	Alan Lord	Donna Sheehan
Chad Faber	Thomas Malesevich	Angela Straseske
Robert Francis	Timothy Mcdowell	Charles Thimmesch
David French	Hans Noel	Anthony Tomaz
Matthew Friedlander	David Orr	Philip Van Styn
Kevin Grabner	Roger Pasch	Jamie Wagner
Richard Hackner	Larry Reese	Timothy Wendt
James Hardin	Jon Scafe	Joel Zabel

**CTTC Committee: Mike Gall, Chairman**

Joy Eileen	John Ipsen	Greg Quinn
Alexander Barghout	Tadeusz Jaroszczyk	Gerard Rabas
Brian Basken	Jaspal Sarabjit	Gregory Rees
Thomas Benell	George Jolivette	Terrence Riker
John Bloemer	Bruce Kimball	Wesley Roberts
David Bradley	James Kropp	Scott Saunders
Clark Brenner	Jonathan Lachance	James Schey
Thomas Cappellin	Lambert Lasecki	Daniel Schmitz
Scott Carlson	Kevin Lichtfuss	David Shaw
Ed Carroll	Zhili Gerald	Craig Smith
Kristine Cotharn	Berni Mattsson	Robert Smith
Chad Dorgan	Manus Mcdevitt	Keith Swartz
Benjamin Eyring-Green	John Menz	Richard Thompspon
Scott Freye	Tim Millar	Donn Trieloff
Clyde Fuhrmeister	Mark Miller	Gary Turner
Gall Mike	Svein Morner	Jeffrey Uhrig
Daniel Green	Kneale Nemmetz	Bruce Wallbaum
Rick Heeren	George Penn	Jeff Walter
Clark Heinzelman	Robert Plasschaert	Len Warmanen
Joe Hennessy	Daniel Pliner	Steven Wise
David Hoekstra	Jeff Pollei	Nicholas Zwaska

**Student Membership Committee: Wayne Prior, Chairman**

Peter Barr	Nick May	Timothy Shedd
Jason Beren	John Mitchell	Richard Skrivanie
Kermit Berg	Timothy O'Brian	Shawn Steinhoff
James Elleson	Brant Olson	Robert Stone
Chad Grindle	Edward Ornes	Dean Tompkins
Brian Hanold	Wayne Prior	Ruth Urban
Sanford Klein	Kurt Rolle	Jack Wunder
Lou Landucci	Lynn Schlager	

# INFORMAIRE

## PROGRAM SCHEDULE

Submitted By: Bruce Kimball

	Topic	Location	Presenter	
Nov 8	Kitchen HVAC Design	Coliseaum Bar and Banquet	Jay Woody Captive-Aire Hood	Resource Promotion
Dec 13	Contractor Forum "10 ways to improve plans and Specs" (Christmas party)	TBD	General, Mechanical, and Control contractors	Past President
Jan 10	Air and Water Heat Exchangers	TBD	Doug Bergman (Trane)	TEGA / CTTC Membership
Feb 14	Energy Efficient Laboratory Design	TBD	John Nelson (AEI)	Historical
Mar 14	Tour, Refrigeration facility	TBD	TBD	Student and Joint with RETA
Apr 11	Tour EPIC	EPIC	AEI	Joint with ASPE
May 9	Acoustics-101	TBD	Jim Yerges	
Jun 12	Golf Outing	Stoughton Country Club		Social

## CHAPTER CONTACTS

### OFFICERS:

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