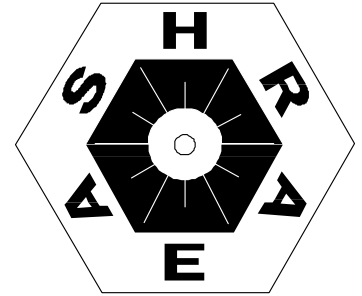
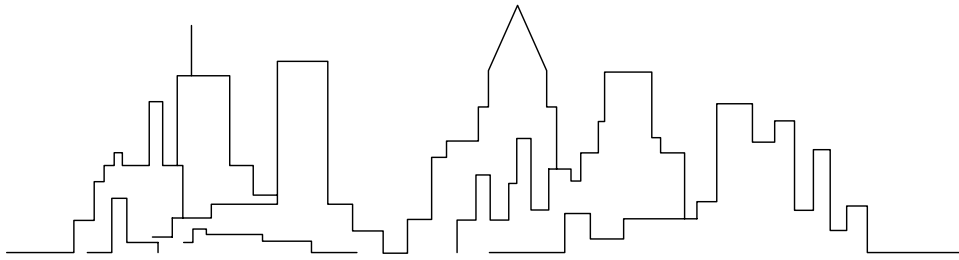


The EXCHANGER



Minnesota Chapter

www.mnashrae.org

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

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Regional Historian	Bill Murray	763-784-7490	763-786-8571	murraysbp@att.net

President's Corner

Submitted by Gary Grenzer, President

As May quickly approaches, let me recount the years activities. The Minnesota chapter has had a strong program again this year. The meetings, seminars and tour have been diverse and interesting. Thanks to the efforts of the Program Chair and Seminars Chairs, those who have attended have been treated to exceptional programs at meetings and seminars throughout the year.

The Chapter continues to promote students in the form of an annual Scholarship at the U of M and donation of handbooks to Dunwoody students. Our two sections also provide scholarships in their regions. This year the chapter completed its 5 year donation cycle to the U of M mechanical Engineering building fund with the last \$2,000 dollar annual donation. The Chapter also began a new tradition by offering a complete set of ASHRAE Standards to Walter library at the U of M. These standards will not only aid the engineering students, but also will be available to the chapter ASHRAE membership at large.

The TEGA committee continues to actively review and update position papers, review handbook chapters and sponsor TEGA awards judging and advancement.

Our research (resource) promotion is in full swing at this time. I sincerely hope that each of our members will continue to support ASHRAE's research program. This is one of the areas that our organization has distinguished itself in this industry.

We look forward to and eagerly anticipate the upcoming June Golf outing. As usual this event is not only entertaining it also provides a good portion of funding for our scholarship and research contributions through the hole sponsorship signs. Please thank all the representative firms that help to make this event a success.

Thank you to all the committees that have made this year a success.

Minnesota Chapter Meeting Minutes

*Submitted by Rick Hermans,
Chapter Secretary*

The April meeting was held in conjunction with the Annual Education Seminar at the Double Tree Park Place Hotel. The Seminar had average attendance: 45 for the seminar, 27 for the lunch, and 12 guests, speakers and tabletop product representatives.

The first session was Bill Cutter, of Rep Rite Burk, who spoke on "Air and Dirt Elimination; Hydronic System Problems and Solutions".

The second session featured John House, from the Iowa Energy Center who spoke on "Emerging Tools for Diagnostics and Commissioning". Mr. House also spoke after the break on "NBCIP: A National Initiative on Better Building Controls".

The final session was presented by our own Barry Bridges of Sebesta Blomberg & Associates, who spoke on "Update on BACNet and Open Protocols".

President Gary Grenzer called the business meeting to order at 12:32 pm. Gary asked for any election ballots to be turned in during the meeting.

He announced the next meeting will be on May 13th and is this years CenterPoint Energy meeting. It will feature Frank Balistreri of CenterPoint Energy and Jeff Haase of the State of Minnesota's Commerce Department. Their program will be "The State of Minnesota's Perspective on Distributive Generation".

Craig Johnson, the communications committee chair and past president asked for chapter members who would like the Exchanger sent by e-mail to send their address to him. Craig can be e-mailed at craig.johnson@atkinsamericas.com.

Gary announced the CRC is this month on April 24-26 at Cedar Rapids. The seminars available are a good source of PDHs for continuing education. See their web site at <http://zeus.ia.net/~cvashrae/crc2003.html>

Ted Tio reported on the TEGA committee review of the Handbook chapter on Education facilities. A poster report was given during the seminar.

Bob Linder reported on Resource Promotion committee. A poster board was presented at the seminar which listed all contributors to date. Gary Fischbach will be assisting Bob next year on RP. Tom Olson reminded all present to use the dues registration process to make your donation.

George Rothenberger asked any one who has spoken at a school to report to him so the chapter can be credited.

President Grenzer asked for any corrections to the roster to be sent to him so we can publish errata in the next Exchanger.

Craig Johnson announced the results of the election. The Board and officers next year will be:

President	Tom McNamara
President Elect	Rick Hermans
Secretary	Paul Quirin
Treasurer	Curt Ratajczak
Members at large:	
	Bob Linder
	Brian Shablow
	Jim Douglas

Education Seminar chairman Jim Douglas introduced the lunch technical presentation. Our speaker was David Eijadi, AIA, of The Weidt Group, who spoke on the topic "Minnesota Sustainable Building Guide (MSBG)"

David spoke about the State legislation requiring State buildings to follow the Sustainable Building Guide. A project has been started known as B3 to write the Guide. The planned deadline is January 15th, 2004 but may slip due to State budget problems.

David described the LEED certification process and the expected Minnesota modifications needed to make the Guide a performance based document. The Guide will also provide tools to assist designers to achieve the performance indices. A planned July 1st publication date is also on hold for now. Benchmarking is a prominent part of the Guide and may be referenced to the present Minnesota Energy Performance targets of 100 kBTU/sf-yr of site energy. A copy of the Beta Draft

version of the Guide is available at www.csbr.umn.edu/B3.

Adjourned at 1:40 pm.

Student Activities

Submitted by George E. Rothenberger, Student Activities Chair

The University of Minnesota Student Branch toured the U of M Southeast Steam Plant on Dec 10, 2002. Michael Nagel, Energy Procurement Administrator for the U of M, led the tour. The plant includes a new 900 psig Circulating Fluid Bed Boiler, two 1940's vintage 450 psig boilers (pulverized coal and moving grate), a packaged gas/oil 900 psig boiler, and a 15MW high speed cogen turbine. Six students plus Tom Kuehn and George Rothenberger attended.

The U of M Student Branch toured ThermoKing Company on Feb 11, 2003. Mike Weiss, experimental engineer, ThermoKing, led the tour. Three students plus Tom Kuehn and George Rothenberger attended.

On Feb 17, 2003 the U of M Student Branch participated in the donation of the complete bound set of ASHRAE Standards to the U of M Walter Library. This represents a \$1,600 value donation by the Mn Chapter of ASHRAE. Attending were U of M head Librarian, Frank Elliott, Science & Engineering Reference Librarian/Bibliographer, Mn Chapter ASHRAE President, Tom Kuehn, three students including the Student Branch president Theron Loeffler and many other ASHRAE members including myself. The presentation concluded with refreshments and a tour of the library. This function was held in conjunction with National Engineer's Week.

Dunwoody Institute is planning a tour of ThermoKing's training and technical departments this spring. Dunwoody continues to have an active student branch.

Mike Woolsey of Precision Air Products has agreed to pitch in on the Student Activities Committee. He was in attendance at the Feb 17 Walter Library presentation. Thanks for the help, Mike.

This is a reminder that all ASHRAE members who perform career talks in a classroom can earn Presidential Award of Excellence (PAOE) points for the Mn Chapter. Please tell us your name, the date of the presentation, the name of the school, approximate attendance, and a brief note on your topic. The Minnesota Chapter of ASHRAE gets the points and this translates to recognition for the Chapter that it is meeting the ASHRAE President's goals for the society. I can get brochures, science kits and videos from ASHRAE if you wish some material for career talks. Let me know in advance if you wish this assistance from ASHRAE.

On another topic, I take donations of ASHRAE books and have given them to the branches this year. Thanks for your donations of books. You can contact me at grothenberger@setterleach.com or by phone at 612-752-8735.

A Note from the Chapter Historian

*Submitted by Brent Verbridge,
Chapter Historian*

History Night was well attended, and I want to thank all of you who were able to make it. The video interview of Professor Pflug is available in our archive if anyone is interested in viewing it.

Roster Address Corrections

Change Atkins Benham to **Atkins Americas, Inc.**

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MINNESOTA CHAPTER

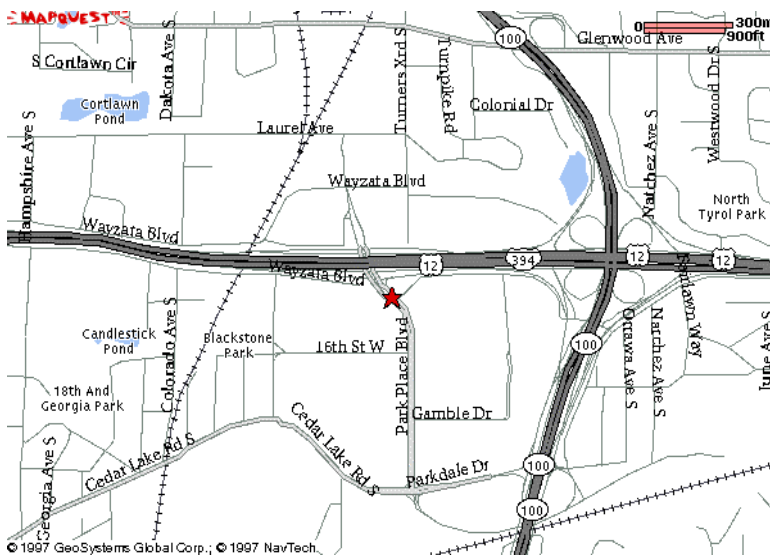


AMERICAN SOCIETY OF HEATING, REFRIGERATING
AND AIR-CONDITIONING ENGINEERS, INC.

Meeting Notice – Tuesday, May 13 (Lunch Meeting) Meeting Sub-Topic: *Installation of Officers*

The State of Minnesota's Perspective on Distributive Generation

Frank Balistreri, CenterPoint Energy & Jeff Haase, State of MN Commerce Department



Location:

Doubletree Park Place Hotel

Minneapolis

1500 Park Place Blvd.

Minneapolis, MN 55416

(763) 542-8600

Fax: (763) 542-8068

Time: 12:00 – 12:15 pm Social Hour
12:15 – 12:45 pm Lunch and
Business Meeting
12:45-1:30 pm Presentation
1:30 pm Adjourn

Program: The State of Minnesota's Perspective on Distributive Generation by Frank Balistreri of CenterPoint Energy and Jeff Haase of the State of MN Dept. of Commerce.

Cost: The cost of the lunch and program is **\$25.00** (students **\$15.00**) when reserved in advance. Without an advance reservation, the cost is \$28.00.

Reservations: Call Jason Kelly at 763-746-2090 or email jason.kelly@teammss.com by *Thursday, May 8th*. Make checks payable to MN Chapter of ASHRAE. **If you choose to mail your check in advance**, please send it to Jason Kelly, Heating and Ventilating Solutions, 2240 Edgewood Ave So. Suite 101, St. Louis Park, MN 55426

Parking: Free parking available at the hotel.

Directions: See the map above, or call the hotel at 763-542-8600 for dinner

**Minnesota Chapter
2002-2003
Meeting & Event Calendar**

- **October 8, 2002(Tuesday) Dinner**
Meeting Sub-topic: None
TOUR: ADC
- **November 12, 2002 (Tuesday)
Seminar/Lunch**
Meeting Sub-topic: Membership
Health & Life Safety Seminar
- **December 10, 2002 (Tuesday) Lunch**
Meeting Sub-topic: Research &
Promotion
New Kitchen Exhaust Requirements
- **January 14, 2003 (Tuesday) Dinner**
Meeting Sub-topic: Student Night
Motors, VFD's & Bearing Wear
- **February 11, 2003 (Tuesday)
Seminar/Lunch**
Meeting Sub-topic: History
Refrigeration Seminar
- **March 11, 2003 (Tuesday) Dinner**
Meeting Sub-topic: Membership
Legal Issues Regarding Mold
- **April 8, 2003 (Tuesday)
Seminar/Lunch**
Meeting Sub-topic: Research & Promotion
Education Seminar
- **May 13, 2003 (Tuesday) Lunch**
Meeting Sub-topic: Installation of
Officers/Past Presidents Day
Reliant Energy Day
- **June, 2003**
Golf Outing

ASPE Meeting Schedule

*Submitted by Renae Torborg, ASPE
Newsletter Co-Editor*

- **September 18, 2002**
Fire Protection – History and Product
Improvements
- **October 16, 2002**
Commercial Clothes Washing
- **November 20, 2002**
Valves
- **December 18, 2002**
History of Plumbing
- **January 15, 2003**
Fuel Oil Systems
- **February 19, 2003**
Roof Drain Systems
- **March 19, 2003**
Green Building Design – Waterless
Urinals
- **April 16, 2003**
Compressed Air System Piping
- **May 21, 2003**
Elections & Awards; MN Plumbing Code
Comparison

**Publication deadline for the October
Exchanger; August 22. All articles and
submissions must be in electronic format
and should be emailed to the Editor:**

Betsy Reed
Phone: 651-604-3125
ereed@gausman.com

Professional Directory

Submitted by Betsy Reed, Editor

Business cards will be printed in *The Exchanger* for a fee of **\$10.00 per issue**. Requests to appear in the Professional Directory must be placed for the entire publication year, which typically consists of 8 issues, or for the balance of the publication year. Fees for a partial year will be pro-rated at the above rate. No single issue requests will be considered.

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Bill Warner, P.E.
General Manager



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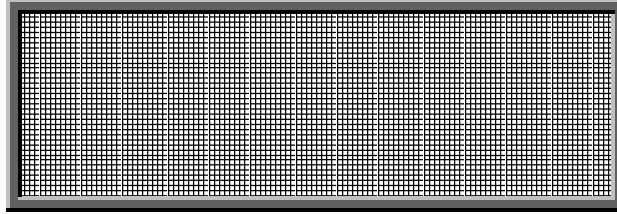
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Society and/or Chapter dues Paid?

First **Yes/No** on Mailing Label = Society Dues

Second **Yes/No** on Mailing Label = Chapter Dues

INSIDE: Next Chapter Meeting May 13, 2003 (Lunch)
Insert: Golf Outing Registration Form and Map
Insert: Research Contributors

Professional Directory can be found inside.....

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Walt Kalen, Systems Management & Balancing of Minnesota, Inc.

Bill Warner, Fabric Duct Systems, Inc.

Pat McGuire, L.E. Ribar Company, Inc.

Steve Ribar, L.E. Ribar Company, Inc.