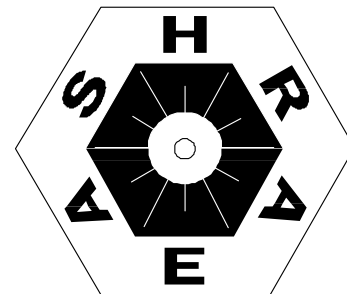
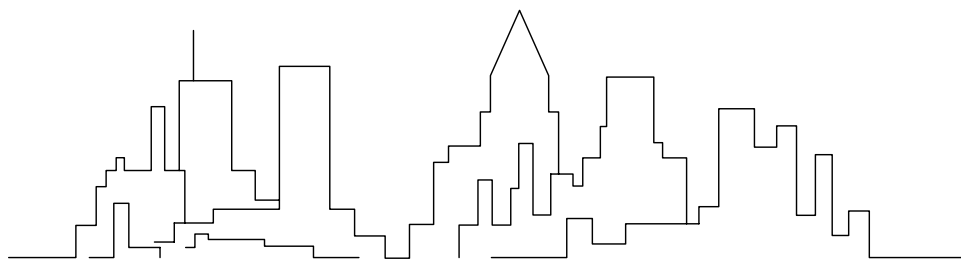


The EXCHANGER



Minnesota Chapter

www.mnashrae.org

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
McNamara Sales, 850 Cromwell Avenue, Saint Paul, MN 55114

VOLUME 12 NO. 5

PUBLISHED 8 TIMES ANNUALLY

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President's Corner

Submitted by Gary Grenzer, President

If you attended the January Chapter Meeting you are aware that we have begun the process of electing a new Board of Governors (BOG) for the ASHRAE year 2003-04. This is a 5-step process.

STEP 1: The Presidential Advisory Committee (PAC) was elected by members present to act as the Nominating Committee.

STEP 2: The Nominating Committee will, over the next 30 days, develop a list of candidates for all positions except President. The current President-Elect (Tom McNamara) will automatically move into the position of President. It has been a tradition for many chapters including the Minnesota Chapter for officers to progress from treasurer to secretary to president-elect. Also, traditionally, the candidate for treasurer is selected from one of the three BOG's. The PAC then has to select an individual from the Chapter membership to be added to the BOG. As this process continues year after year, most members elected to the BOG will progress through the officer positions and eventually serve as Chapter President.

STEP 3: At the February meeting the PAC will present their candidates and additional nominations will be accepted from members present at the meeting. The nomination process will be closed and a ballot will be prepared and published in the March Exchanger.

STEP 4: Election ballots will be counted at the April Chapter Meeting and the results will be announced .

STEP 5: Installation of officers occurs at the May Chapter Meeting.

The Minnesota Chapter has been and continues to be rich in individuals willing to volunteer to make a contribution of their time and talent to make the Minnesota Chapter one of the most successful throughout all of ASHRAE. I am personally confident that the PAC will find just such individuals to fill the positions described above.

The January meeting was a very interesting discussion about VFDs and motor bearings wear. Approximately 71 people attended. Dunwoody had a contingent of students and instructor Chuck Taft.

ASHRAE is this years sponsor for **E-Week**, the week of February 16th. The Minnesota Chapter will be presenting a full set of ASHRAE Standards to the Library on February 17th. Look for an announcement for details in this issue of the Exchanger and plan to attend. We hope for a good turn-out.

Minnesota Chapter Meeting Minutes

Submitted by Tom McNamara, Present-Elect

President Gary Grenzer called the meeting to order at 7:05. Next months meeting will be the Refrigeration Seminar February 11.

Gary introduced Professor Tom Kuehn, student advisor at U of M, to talk on Student Night. Tom thanked the MN Chapter for their help in funding the new Engineering Building that is now occupied. He thanked the Chapter for the continued support of the yearly scholarship grant that is given them. This past year the University student group took a tour of the University heating plant. They also set up small groups of 4 or 5 students that went out and worked with companies in this area for real time work experience. It was quite successful and they are going to do it again this spring. Any companies interested in hosting a group can contact Tom. Tom also stated his appreciation of the ASHRAE

Research funds the University receives which have helped the graduate students.

Gary announced that Dakota County is looking for part-time paid instructors. Anyone interested should contact Gary.

If you want to receive the Exchanger via e-mail you can sign up through Gary. It has been working well and is saving the Chapter money in printing and postage.

Gary introduced Bill Murray who spoke on History for Brent Verbridge. There will be a video shown before the March meeting, starting around 5:00, on Professor Flugg from the U of M. He developed methods of preserving food through refrigeration. There will also be a table display.

Gary reminded everyone of Engineer's Week coming up February 16 thru February 23. The MN Chapter is kicking it off February 17 by presenting to the U of M library of a complete set of ASHRAE Standards. We would like to have as many members present as possible.

Gary opened nominations to establish a nominating committee for the upcoming chapter elections. The PAC committee was nominated and approved by vote to head the nominating committee.

Gary Fischbach, Program Chair, introduced Jean Krause, Application Engineer at Greenheck Fan Co., who spoke on Motors, VFD's and Motor Bearing Failure. Her speech covered shaft voltage and bearing current - what they are, why are they harmful, where they come from, how to protect against them and who is responsible for the problems they cause. There was a lively question and answer discussion following the speech.

The meeting was adjourned around 8:15.

MN Chapter Awards Complete Set Standards to U of M

Submitted by Rick Hermans, Secretary

The Science & Engineering Reference Library of the University of Minnesota located in Walter Library on the east bank campus will receive a complete set of ASHRAE Standards for use by the Mechanical Engineering students, staff and public from the Minnesota Chapter of ASHRAE. The award will be presented for National Engineers Week on February 17, 2003 at 3:00pm in Walter Library. Representing the Library and receiving the donation will be Frank Elliott, Science & Engineering Reference Librarian/Bibliographer and Carol Zinda, who is leading the fundraising efforts for the Science & Engineering Library.

National Engineers Week is an annual event that increases public awareness and appreciation of engineers and their work. Participating in the event will be members of the student chapter of ASHRAE and the Department of Mechanical Engineering faculty.

The Minnesota ASHRAE Chapter Board of Governors voted to donate these ASHRAE Standards to the library as part of their continuing support to the education of engineering students. Minnesota ASHRAE also donates scholarship funds to the Mechanical Engineering Department each year. In addition, the Board has voted to provide a subscription service annually to make sure the Libraries copy of the Standards remain up-to-date.

The local program is sponsored by the Minnesota Chapter of the American Society of Heating Refrigerating and Air-conditioning Engineers. The public is invited to attend the presentation.

**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 March
Exchanger; February 14. All articles and
submissions must be in electronic format
and should be emailed to the Editor:**

Betsy Reed
Phone: 651-604-3125
Betsy-Reed@attbi.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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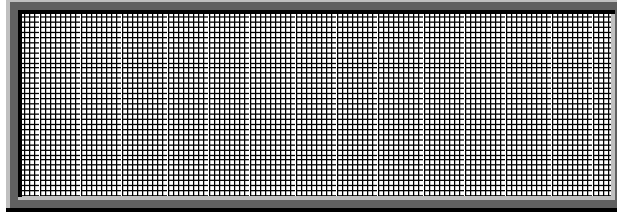
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Society and/or Chapter dues Paid?

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

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

**INSIDE: Insert: Refrigeration Seminar and Next Chapter
Meeting February 11, 2003**

Professional Directory can be found inside.....

**Nick Brecht, Heating & Ventilating Solutions
Erickson Industries, Inc.**

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.