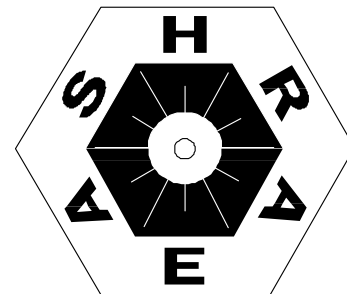
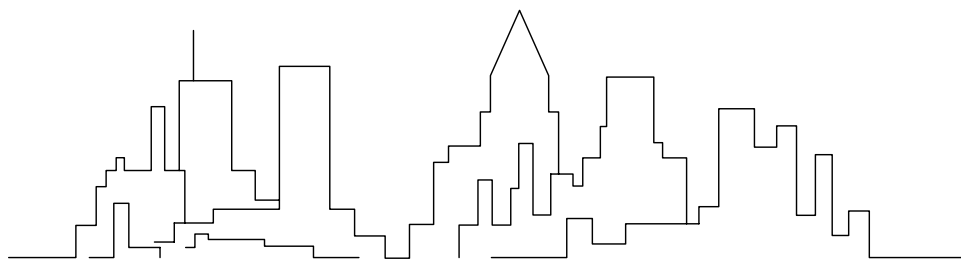


# The EXCHANGER



## Minnesota Chapter

[www.mnashrae.org](http://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. 6

PUBLISHED 8 TIMES ANNUALLY

OFFICERS		PHONE	FAX	EMAIL
<b>PRESIDENT:</b>	Gary Grenzer	763-525-3231	763-525-3289	ggrenzer@atsr.com
<b>PRESIDENT-ELECT:</b>	Tom McNamara	651-645-4681	651-645-4682	tmcnamara@mcnamarasales.com
<b>SECRETARY:</b>	Richard Hermans	612-335-5858	612-335-5888	rhermans@mncee.org
<b>TREASURER:</b>	Paul Quirin	952-401-1323	952-474-3928	quirinpe@teamtsp.com
<b>PAST PRESIDENT:</b>	Craig Johnson	651-771-2222	651-778-3911	craig.johnson@atkinsamericas.com

### BOARD OF GOVERNORS

Brian Shablow	612-819-3483	651-748-9370	bshablow@hallbergengineering.com
Curt Ratajczak	612-588-0823	612-588-6459	curtr@gorgen.com
Bob Linder	651-254-6881	651-771-0878	rjlinder@kfi-eng.co
Craig Johnson	651-771-2222	651-778-3911	craig.johnson@atkinsamericas.com

### COMMITTEES

### CHAIRS

<b>COMMUNICATION</b>	Craig Johnson	651-771-2222	651-778-3911	craig.johnson@atkinsamericas.com
<b>CRC ACTION</b>	Tom McNamara	651-645-4681	651-645-4682	tmcnamara@mcnamarasales.com
<b>EDUCATION SEMINAR</b>	Jim Douglas	952-938-1588	952-938-1480	jimd@twgi.com
<b>EXCHANGER</b>	Betsy Reed	651-639-9606	651-639-9618	betsy-reed@atbi.com
<b>GOLF</b>	Jim Burns	651-686-8580	651-686-8588	jburns@bjmulcahy.com
<b>HISTORIAN</b>	Brent Verbridge	763-425-7226	763-425-7336	brentv@uhlcompany.com
<b>HOUSE (co-chairs)</b>	Jason Kelly	763-746-2090	763-746-3633	jason.kelly@h-v-solutions.com
	Matt Brecht	763-746-2090	763-746-3633	matt.brecht@h-v-solutions.com
<b>LIFE SAFETY</b>	Curt Ratajczak	612-588-0823	612-588-6459	curtr@gorgen.com
<b>MEMBERSHIP</b>	Gene Sieve	952-820-2791	952-820-2760	genes@dunhamassociates.com
<b>NORTHERN LIGHTS SECTION</b>	Dan Lenertz	701-282-9500	701-282-2329	danl@thermairsalhes.com
<b>P.A.C.</b>	Craig Johnson	651-771-2222	651-778-3911	craig.johnson@atkinsamericas.com
<b>PRODUCT DIRECTORY</b>	Kevin Herrema	651-481-8000	651-481-8621	kevinh@svl.com
<b>PROGRAM</b>	Gary Fischbach	612-588-0823	612-588-6459	garyf@gorgen.com
<b>PUBLICITY</b>	Ron Klick	612-588-0823	612-588-6459	ronk@gorgen.com
<b>RECEPTION</b>	Craig Johnson	651-771-2222	651-778-3911	craig.johnson@atkinsamericas.com
<b>REFRIGERATION</b>	Brian Shablow	651-748-4354	651-748-9370	bshablow@hallbergengineering.com
<b>RESEARCH PROMOTION</b>	Bob Linder	651-254-6881	651-771-0878	rjlinder@kfi-eng.com
<b>ROCHESTER SECTION</b>	Dave Thiel	507-281-8016	507-281-8688	
<b>ROSTER</b>	Gary Grenzer	612-525-3231	612-525-3289	ggrenzer@atsr.com
<b>SCHOLARSHIP</b>	Craig Johnson	651-771-2222	651-778-3911	craig.johnson@atkinsamericas.com
<b>STUDENT ACT.</b>	George Rothenberger	612-752-8735	612-338-4840	grothenberger@setterleach.com
<b>SUSTAINABLE DESIGN</b>	Jim Keller	651-639-9606	651-639-9618	jkeller@gausman.com
	Brian Shablow	651-748-4354	651-748-9370	bshablow@hallbergengineering.com
<b>TEGA (co-chairs)</b>	Ted Tio	612-359-4634	612-338-4840	ttio@setterleach.com
	Tim May	952-918-8072	952-918-8080	tmay@minnair.com
<b>WEBMASTER</b>	Al Tillmann	612-761-5422	612-761-3321	allen.tillmann@target.com

### REGIONAL OFFICERS

<b>Regional Treasurer</b>	Richard Harju	763-784-9522		harju@mail.ashrae.org
<b>Nominating Committee Alternate</b>	John Rieke	651-771-2222	651-778-3911	jrieke@atkinsbenham.com
<b>Regional Historian</b>	Bill Murray	763-784-7490	763-786-8571	murraysbp@att.net

## President's Corner

*Submitted by Gary Grenzer, President*

How can I become president of the Minnesota Chapter? Have you ever wondered what it takes to ascend to the office of chapter president? Most of the candidates begin by volunteering for one or more of the many committees. As a Chair person, who regularly attends the Board of Governors meetings, (the chapters business meetings) a candidate demonstrates a willingness to contribute time and effort to the chapter. Nominees to the Board of Governors usually are promoted from the ranks of committee chairs.

Once on the Board, a candidate is usually re-elected to the Board for up to 3 years, at which time the candidate advances to the post of Treasurer, then Secretary, President Elect, President and finishes as Past President. As you can see, it is a long as interesting road to the Chapter Presidency. In Retrospect the time I have served on the Board and as Chapter officers has passed quite quickly. I recommend that anyone should volunteer, get on a committee, you could be President some day.

I would like to recognize the following students who attended the January meeting which was student night. Betti Iwanski, Bryn Lansgren, Anthony Lach, Gordon Parriott and Diana Smith. The Chapter welcomes them and invites them to attend the March meeting.

The refrigeration seminar was very informative with five refrigeration subjects. PDHs are available at these seminars. We have one more seminar coming up in April. Mark your calendars for the March 11<sup>th</sup> meeting, legal issues with mold in buildings.

## Minnesota Chapter Meeting Minutes

*Submitted by Rick Hermans, Secretary*

President Gary Grenzer called the Chapter to order at 12:25. This meeting was in conjunction with the Annual Refrigeration Seminar. Total attendance for the Seminar and lunch was 71 including our five excellent speakers.

Gary announced this years Chapters Regional Conference (CRC) will be held in Cedar Rapids, Iowa on April 24-26, 2003.

Gary called on Craig Johnson to report on the work of the nominating committee. The nominating committee was appointed at the last chapter meeting and is comprised of the Presidents Advisory Committee (PAC). Members are: John Rieke, Peter Potvin, Phil Dugan, Matt Holland, Jim Porath, Dan McCarty, and Chaired by Craig Johnson. The chapter President for 2003-2004 will be **Tom McNamara** according to the chapter by-laws the President-elect automatically becomes President.

The PAC recommends the following candidates:

President-elect	Rick Hermans
Secretary	Paul Quirin
Treasurer	Curt Ratajczak
Board of Governors	Brian Shablow
Board of Governors	Bob Linder
Board of Governors	Jim Douglas

Craig opened the floor for additional nominations. It was moved and seconded to close nominations. The motion was approved by a unanimous voice vote.

Gary called on Rick Hermans to report on the EWEK event. Rick reported the Chapter will present a complete set of ASHRAE Standards to the Engineering and Science Library at the University of Minnesota on Monday February 17<sup>th</sup> at 3:00 pm at Upson

Hall in Walter Library. The public is invited. These standards will be available for reference by the public by contacting the library or appearing in person. The library resources can be found on their web site at <http://sciweb.lib.umn.edu>.

Gary called on Tim Manz from the State Building Codes Office for an announcement. Tim reported that the Administrative Law Judge has ruled favorably on the proposed changes to the State Building Code and Residential Building Code. There were some few edits made to the State Plumbing Code. These codes, along with the general administrative sections of the rules are now before the Governor for his signature. The permissive language in Section 1300 regarding professional registration requirements for building construction documents was left intact. Tim announced that the Statement of Need and Reasonableness (SONAR) is nearly complete for the Mechanical and Fuel Gas Codes and will be announced soon. In preparation for changes to the Mechanical and Fuel Gas Codes, the Building Codes and Standards (BCS) Division is presenting seminars beginning March 26 and repeating every Wednesday for eleven weeks in various locations around the State. Specific dates and times are available by visiting the BCS web site at <http://www.admin.state.mn.us/buildingcodes/education/education.html>. BCS is also presenting a seminar on BOILER CODE REQUIREMENTS on March 4<sup>th</sup> and 5<sup>th</sup> at the Red Lion Hotel in St. Paul, MN. More information is available on their web site. The BCS is also beginning the process of revising the State Energy Code by forming an Energy Code Advisory Committee whose first meeting was on February 12, 2003. Several Chapter members are involved in this committee. Any input from the Chapter membership to this Advisory Committee is appreciated and be forwarded to the Board of Governors.

Brian Shablow introduced the lunch speaker, Mr. Mike Thompson, Manager of Large Tonnage Chillers for Trane. Mike spoke on the environmental impact of the various refrigerants used in comfort cooling applications.

The business meeting was adjourned at 12:45 pm.

## State Code Update

*Submitted by Tim Manz, MN Building Codes and Standards Division*

The 2003 Minnesota State Building Code is in the final stages of the rulemaking process and is expected to be published and effective early in March 2003. The code will become effective 5 working days after publication, and includes the 2000 International Building Code (IBC), 2000 International Residential Code (IRC), 2000 International Fire Code (IFC) and several other codes. To view the reports from the Office of Administrative Hearings on the various rules, refer to the website [www.oah.state.mn.us](http://www.oah.state.mn.us) and look for the appropriate Administrative Law Judge (ALJ) report you are interested in.

The current round of adoptions does not include the proposed Minnesota Mechanical Code, which will adopt the 2000 International Mechanical Code (IMC) and the 2000 International Fuel Gas Code (IFGC) with amendments. The Notice of Intent to Adopt the proposed Minnesota Mechanical Code will be published in the State Register in the next few weeks. Refer to the website [www.admin.state.mn.us/buildingcodes](http://www.admin.state.mn.us/buildingcodes) for updated information on the adoption of codes. If you have any questions regarding these issues, please contact the Building Codes and Standards Division at (651) 296-9929.

**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 April  
Exchanger; March 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.

### SYSTEMS MANAGEMENT & BALANCING OF MINNESOTA, INC.



**WALT KALEN T.B.E.**  
PRESIDENT

199 Coon Rapids Blvd.  
Suite 111  
Coon Rapids, MN 55433

763-717-1965  
Fax 763-717-1997  
E-mail: smbomn@aol.com



**Fabric Duct Systems, Inc.**

3530 East 28th Street  
Minneapolis, MN 55406

Phone: 612.721.2401  
FAX: 612.721.0143  
E-mail: [bwarner@qsox.com](mailto:bwarner@qsox.com)  
Website: [www.qsox.com](http://www.qsox.com)

**Bill Warner, P.E.**  
General Manager



**ERICKSON**  
INDUSTRIES, INC.

Design, Sales & Manufacturing of Insulated Enclosures  
for Environmental, Warehouse and Food Processing Applications

Representing: MSS Clean Room Technology, Inc.  
Environmental Specialties, Inc.

P.O. BOX 237  
RIVER FALLS, WI 54022  
[www.erickson-industries.com](http://www.erickson-industries.com)

Phone (715) 426-9700  
(800) 729-9941  
Fax (715) 426-9701  
e-mail: [sales@erickson-industries.com](mailto:sales@erickson-industries.com)

### HEATING & VENTILATING SOLUTIONS

**Nick Brecht**  
Sales Engineer

Office: 763.746.2090  
Toll Free: 866.746.2090  
Cell: 612.578.6112  
Fax: 763.746.3633

Email: [nick.brecht@h-v-solutions.com](mailto:nick.brecht@h-v-solutions.com)  
Website: [www.h-v-solutions.com](http://www.h-v-solutions.com)

2240 Edgewood Avenue South, Suite 101 - St. Louis Park, MN 55426



Commercial and Industrial Metal Fabricators

2335 Nevada Avenue North  
Golden Valley, MN 55427  
Main 763.595.4FAB (4322)  
Fax 763.591.5564  
[www.eganco.com](http://www.eganco.com)



**Pat McGuire**

**L. E. Ribar Company, Inc.**

"Serving Your Heating & Ventilation Needs"

**Solaronics, Inc.**  
GAS INFRA-RED HEATERS



[www.solaronicsusa.com](http://www.solaronicsusa.com)

2107 Como Avenue S. E.  
Minneapolis, MN 55414

Phone: 612-331-6954  
Fax: 612-331-6957  
Email: [pat@eribar.com](mailto:pat@eribar.com)



**Steve Ribar**

**L. E. Ribar Company, Inc.**

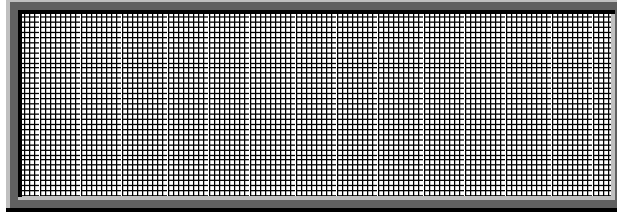
"Serving Your Heating & Ventilation Needs"



[www.berner.com](http://www.berner.com)

2107 Como Avenue S. E.  
Minneapolis, MN 55414

Phone: 612-331-6954  
Fax: 612-331-6957  
Email: [steve@eribar.com](mailto:steve@eribar.com)



**Society and/or Chapter dues Paid?**

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

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

**INSIDE: Insert: Next Chapter Meeting March 11, 2003**  
**Insert: Education Seminar and April Chapter Meeting**  
**Insert: 2002/2003 Election Ballot**

## **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.**