



THE ILLINOIS INTERCOM

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January, 2000

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Upcoming Events

January 10, 2000, Monday
Monthly Meeting
Refrigeration Night
Como Inn

January 31, 2000, Monday
(Feb.) Monthly Meeting
Excellence in Engineering Awards
Marriott-O'Hare

February 5-9, 2000
ASHRAE Semi-Annual Meeting
Dallas, Texas

March 13, 2000, Monday
Afternoon Seminar:
"Chilled Water System Design"
Monthly Meeting Topic:
"Greening' Your Building"
(Location to be determined)

April 10, 2000, Monday
Site Tour & Monthly Meeting
SMACNA Int'l. Training Institute
Bellwood, Illinois

April 29 - May 1, 2000
Chapters Regional Conference (CRC)
Green Bay, Wisconsin

May 8, 2000, Monday
Monthly Meeting
(Topic and location
to be determined)

January 10 Is Refrigeration Night 1st Winter Meeting Looks at Absorption Refrigeration Systems

What better month to feature ASHRAE's "coolest" topic and its periodic "Refrigeration Night" than January? Accordingly, we are pleased to present a thoughtful and detailed technical presentation on *Absorption Refrigeration Systems*. Our special guest and presenter for the evening will be Andy Nordeen, of The Trane Company. Andy is visiting us from Trane's offices in La Crosse, Wisc.

Refrigeration Night is the first of two meetings planned for January. To avoid a conflict with the ASHRAE (Society) Winter Meeting (Feb. 5-9 in Dallas), our monthly meeting for February will be moved up to Jan. 31, when we'll present our annual *Excellence in Engineering Awards*.

The Jan. 10 meeting is open to everyone. Members and guests are invited to attend. It will be held at the Como Inn restaurant, 546 N. Milwaukee Ave., Chicago.

For reservations, please call our 24-hour meeting reservations service at (708) 636-3604. (Please help us make an accurate guarantee at the Como Inn by calling in your reservation by noon on Friday, Jan. 7.) By making an advance reservation, you can also save \$5 off the regular meeting price of \$30.

January 10th Meeting

- Place:** Como Inn Restaurant
546 Milwaukee Avenue
Chicago, IL
(312) 421-5222
- Time:** 5:30 p.m. — Cocktails
6:30 p.m. — Dinner, \$30 at door
\$25 with reservation
- Topic:** "Absorption Refrigeration Systems"
- Speaker:** Andy Nordeen, Trane Company
- Chairman:** Peter Kurpiewski

For reservations, call (708) 636-3604.

Point your web browser to:
www.chicagosite.org/ashrae.html
for information about Illinois



Chapter membership, meetings
and other activities.

Wanted: Missing Trench Coat

Did you notice the coat you left with after last month at Zum Deutschen Eck wasn't the same one you wore to the meeting? If so, please call Shawn Mansefield, 773-774-2800. Shawn lost a black cashmere trench coat and may have worn your coat home. He'll be glad to arrange an exchange. Stuffed inside Shawn's coat were a brown scarf and black gloves.

Ventilation in the Dentist's Office?

The Illinois Chapter will sponsor a forum titled: "Is There a Need To Have an ASHRAE Standard on Ventilation Requirements for Dental Facilities?" Some members think there is a need. This is an opportunity for members to voice their concerns and help shape such a standard.

Ted Ritter, a committee member of TC 9.8, "Large Buildings Air Conditioning Applications," and Ray Deibert, IAQ national operations manager for Siemens Building Technologies Division and a member of the Illinois Chapter board of governors, will moderate the forum.

The forum will be held before our regular meeting on Jan. 10, 2000, at the Como Inn restaurant. It will begin at 4:30 p.m. and conclude at 5:30 p.m.

A forum is a vehicle for you to have input into the activities of an ASHRAE Technical Committee. This is your chance to have input. A chance for you to be heard. Please plan to attend and participate.

If you have any questions, contact Ted Ritter at 312-930-2255 or Ray Deibert at 847-215-1050, Ext. 5456.

TEGA Tour

April Meeting to Include Sheet Metal Technical Training Center Tour

The Chicagoland Sheet Metal Contractors Assn. and Sheet Metal Workers Local No. 73 Apprentice and Journeyman Technical Training Center will be the site of a tour to be held in conjunction with our April 10, 2000, meeting. Located in Bellwood, Ill., it is the sheet metal industry's newest state-of-the-art training facility.

Formerly a Lays potato chip distribution center, the converted site now houses the 40,000 square-foot, \$2.9 million training center that includes an air and hydronics laboratory, shop, welding room, service room, computer lab, blue print drafting room and pattern development room.

The focal point of the Technical Training Center is the Air Testing and Balancing Lab, an 8,000 square-foot lab

with more than \$500,000 worth of HVAC and other training equipment.

Graduates of the Testing and Balancing courses receive hands-on training on a number of HVAC systems, including a low pressure multi-zone system; low pressure return/exhaust system; a variable volume supply system with 11 VAV boxes, five with direct digital controls and six with pneumatic controls; residential furnace and air conditioning system; industrial exhaust system; and a pressure duct leakage system.

Watch future *Intercoms* for additional details about this upcoming event.

Chapter Extends Scholarship Deadlines

The deadline for applying for Illinois Chapter scholarships has been extended to Jan. 15, 2000. The scholarship committee will accept scholarship applications for 1999-2000 until this date.

Applications may be obtained by contacting Chapter headquarters (708-636-5819). They may also be downloaded from the Illinois Chapter website [www.chicagosite.org/ashrae.html]. Scholarship winners will be announced a few weeks after the Jan. 15 deadline.

Illinois Chapter scholarships are given to deserving high school and college students interested in pursuing studies in engineering, science or mathematics that are fundamental for a career in the HVAC field. Past awards have ranged from \$500 - \$1,000 for students.

ASHRAE Denies Appeals to Standard 90.1-1999

ASHRAE has denied all appeals filed against publication of its revised energy conservation standard for new buildings.

ASHRAE's Board of Directors met Oct. 29 to consider an appeals panel recommendation that appeals against ASHRAE approval of ASHRAE/IESNA Standard 90.1-1999, "Energy Standard for Buildings Except Low-Rise Residential Buildings," be denied.

"ASHRAE/IESNA Standard 90.1-

1999 was developed through a consensus process whereby industry-wide participation in the standard's development was invited. This standard reflects the consensus achieved after considering all comments from different segments of the industry," said ASHRAE President Harley W. Goodman, Jr., P.E.

"The end result, Standard 90.1-1999 is easier to use, can be applied by code organizations and helps ensure more energy efficient buildings," Goodman said.

Four sets of appeals were filed after the Board voted in June to publish the standard. Those appeals included objections to the proposed standard's building envelope and water heater efficiency sections. Other appeals suggested the standard does not incorporate advanced unit power density levels for lighting and that rules for demonstrating compliance with the standard using the whole building method were weakened.

ASHRAE's efforts to ensure due process and consensus building leading to the decision to publish ASHRAE/IESNA Standard 90.1-1999 also were appealed.

Also at the Board meeting, ASHRAE voted to put ASHRAE/IESNA Standard 90.1-1999 on continuous maintenance, whereby it will be updated continuously through addenda.

ASHRAE now will publish the stan-

Illinois Chapter Online

[www.chicagosite.org/ashrae.html]

Here's a look at what you'll find...

ASHRAE's mission and purpose

Membership in ASHRAE and in the Illinois Chapter (download forms)

NEW! Update your address online

Information about (and directions to) this month's Illinois Chapter meeting

NEW! Online program registration

Calendar of upcoming events

Seminar fliers

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dard and forward it to the American National Standards Institute (ANSI) for approval as an American National Standard.

When Standard 90.1-1999 is applied to office or retail buildings, it should produce site energy savings of about 16 percent and source energy savings of about 20 percent above the previous 1989 standard.

Standard 90.1-1999 is written in mandatory, enforceable language, which federal, state and local government agencies can adopt into building codes. Designers planning buildings less than 25,000 square feet and no taller than two stories should find the new standard much easier to use. Technical information for those buildings has been consolidated to about a page.

Positions Available

HVAC Technical Sales — Engineered Air offers a career opportunity as a HVAC Technical Sales professional, for a professional engineer or someone with equivalent experience in the HVAC industry. Successful candidates will be given the necessary training to provide engineering assistance to architects, engineers, HVAC contractors and owners. For information, contact Steve at (630) 960-4957.

Energy Engineer — National company in energy management, performance contracting, and energy efficiency. Offer excellent benefits. Opportunity for advancement. Limited travel. Responsibilities include analyzing existing commercial, industrial, university and government facilities; evaluating energy consumption; defining project scope; determining cost estimates; evaluating energy cost savings; HVAC design; and communicating with contractors. Candidates should have a BS in Mechanical or Electrical Engineering, previous project experience, and a solid engineering, design or construction back-

ground as well as excellent communication skills and knowledge of HVAC systems, lighting upgrades and cogeneration. For information, contact Cathy Wolf, Energy Industry Consultant, Management Recruiters of Ann Arbor, Tel: (734) 769-1720; Fax: (734) 769-0035, Email: cathy@mrrannarbor.com.

Refrigeration Engineer — for Fortune 500 retailer based in Minneapolis. Duties include designing and engineering refrigeration and cold produce systems for large retail grocery stores along with coordinating construction. Some travel may be required. Requirements include 5+ years in Refrigeration Engineering and a degree in Mechanical Engineering. A thorough understanding of the retail construction process is a must and some form of project lead or management exposure is important. Prefer CAD design experience. Benefits include 401K, full insurance coverage. Full relocation package is included. Pay range will fall in the \$50 - \$80,000 range, depending on qualifications. Call, fax, or e-mail: W. Solberg at the Nycor Group. Tel: 800-675-6527, Fax: (612) 835-2883, Email: wades@nycor.com.

Welcome to Our Newest Members

It is not often enough that we take the time to welcome new members into the Illinois Chapter, who are the driving force and life blood of our organization. Accordingly, we welcome the following new chapter members into the ASHRAE experience, and congratulate them on becoming members of this fine organization.

To fully benefit from their membership, we encourage them to attend our next monthly meeting, on January 10 at the Como Inn.

Wayne Apgar	Automatic Switch Co.
Kevin J. Barr	Barr Technical Sales Inc.
Frank J. Bauer	Jones Lang LaSalle
Gary Benson	New York Blower Co.
James R. Bess	Consulting/Construction Svc.
Paul Beukema	Applied Partners and Solutions
Douglas E. Brannon	Elgin Community College
John Brody	Maund Richards & Associates
Michael Bronakowski	Trane Company
Gildardo Bucio	Unicom Energy Services
David Chlystek	Cal Controls Inc.
James P. Coates	LaSalle Partners Engineering
Gordon Colditz	Laco Mechanical Service
Vernes Dervovic	Sebesta Blomberg
Warren Ebbens	Johnson Controls
Bruce R. Ebner	ASC Services Co.
John A. Elliott	Elgin Community College
Michael W. Emory	Neuco Inc.
James Falat	Falat Mechanical Inc.
Harry Fidler	Asco General Controls
Walter R. Fieber	American Drug Stores
Julian L. Friedman	Advance Mechanical Systems
David Brett Gist	Scotsman Ice Systems
Mark S. Graham	National Roofing Contractors
Masud U. Haque	
Otis Hedlund	Siemens Building Tech.
Jim Heemer	The Austin Co.
Robert T. Heiberger	
William Heidorn	General Motors Corp.
Clifford T. Hill	Marriott Hotels
Eric Hogberg	Siemens Building Tech.
Eric S. Huber	Metro Design Associates

Leonard J. Kafer
 James J. Kansteiner
 Rayad Khatib
 Farhad Khoiee
 Dave Knapp
 Kevin J. Knight
 Les Krepton
 W. Peter Kurpiewski
 Francis G. Ladonne
 Lawrence W. Lang
 Fred R. Lindenmuth
 Tony Lukasz
 Stephen Maas
 Carrie Maranco
 Peter Michalakos
 Jerry Mikutis
 Robert Miller
 Lou Morin
 Pang Kui Ng
 James T. Otenbaker
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 Daniel Quirk
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 Andrew E. Russ
 Michael Russ
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 John Sikaras
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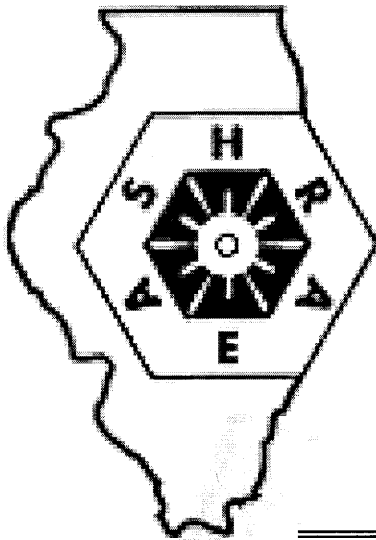
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Illinois Chapter ASHRAE
P.O. Box 42-8020
Evergreen Park, IL 60805-8020



Illinois Chapter ASHRAE Educational Seminar

Chilled Water System Design

February 24, 2000

Bell & Gossett Little Red Schoolhouse
8200 N. Austin Avenue Morton Grove, Illinois

8:00 AM - 4:00 PM

Limit: 50 Attendees

Lunch Provided

Price: \$50.00 Member

\$60.00 Non-Member

Topics Covered:

- System Types
- Design Criteria
- Balancing
- Variable Speed Systems
- Air Management



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