



THE ILLINOIS INTERCOM

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Golfers Get Ready!

Illinois Chapter ASHRAE Annual Golf Outing is on Tuesday, September 21. This year our spectacular outing returns to St. Andrews Golf Club, in West Chicago.

Complete golf outing details and registration forms are enclosed in this newsletter.

Upcoming ASHRAE Events

August 24, 2004, Tuesday

Monthly Meeting — Membership Night
Review of Year Ahead
Rock Bottom Brewery, Chicago, Ill.

Sept. 16 - Nov. 18, 2004

HVAC Design Seminar Series
ITT Little Red School House
Morton Grove, Ill.

September 21, 2004, Tuesday

Annual Golf Outing
Rock St. Andrews Golf Club
West Chicago, Ill.

October 5, 2004, Tuesday

Afternoon Seminar:
Ventilation Effects on Efficiency, Mold & Comfort
Dinner Meeting — Student Night:
Legislative Funding Options
Avalon Banquets, Elk Grove Village, Ill.

October 21, 2004, Thursday

ASHRAE Tour: Tri-Gen Plant
McCormick Place, Chicago

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First Monthly Meeting!

Start the ASHRAE Year at "Rock Bottom"

If you want to make sure that the new ASHRAE year begins on a solid foundation, it makes perfect sense to hold your first event at a place with a name like "Rock Bottom." That's where we'll kick off the 2004-05 meeting season — at the Rock Bottom Brewery, located at One W. Grand Avenue, on Chicago's north side. (Parking lot is on north side of Grand Ave. east of State Street.) Homemade Rock Bottom beer, root beer and soda will be among the main refreshments served at this casual get together. Heavy appetizers and snacks are also planned.

New Illinois Chapter President Shawn Mansfield plans to talk about new educational, social and other events planned for the coming months. He'll also introduce our committees and all the opportunities for getting involved in the Illinois Chapter.

The kick-off meeting is mostly dedicated to having fun, so we are not only interested in seeing Illinois Chapter regulars at the meeting also new faces. So Aug. 24 has been declared "Membership Night." And in the spirit of introducing new people to ASHRAE, at this meeting *current members may bring one non-member guest free of charge.*

August 24 Meeting

Place: Rock Bottom Brewery
One West Grand Ave.
Chicago, IL (Southwest corner of
Grand Ave. & State St.; at entrance
to Red Line "EL" stop)

Time: 5:30 - 8:00 p.m.

Chairman: Matt Maddock

For reservations, call (708) 636-3604

The meeting cost for members is \$30 per person. Bring a guest and get your reservation in early. This will be a fun event you won't want to miss.

Reservations may be made by calling our 24-hour reservations line at (708) 636-3604. We hope to see you there!

PRESIDENT'S COLUMN

It is hard to believe that a brand new ASHRAE year has begun! I am very excited and proud to serve as this year's chapter president. I look forward to the challenge of continuing the strong lineage of leadership that has preceded me.

I have been active in ASHRAE since college and during this time have watched with interest the many dynamics of ASHRAE change. One recent change that has stood out to me is the general downturn in attendance at chapter meetings, particularly of specifying engineers and design-build contractors. We at ASHRAE are greatly concerned about this. At its roots, ASHRAE's primary goal is to EDUCATE and INFORM, and if we have no one to speak to, how can we fulfill this most basic function?

My aspiration as president this year is to start a process of putting the "E" back — and a "C" into — ASHRAE. The "E" of course stands for *Engineers*, the "C" is for *Contractors*. These two groups, the specifying engineer and the design-build contractor, benefit most from the information ASHRAE brings to members. Everything the Illinois Chapter of ASHRAE does this year will be directly linked to this goal.

To this end, we have put together a wonderful calendar of events for the coming months. We will start with a social kick-off meeting on August 24th, followed by our always well-attended Golf Outing on September 21st. These are part of a very strong calendar of technical seminars and tours and other educational opportunities. For example, a new and improved 10-week HVACR Basics evening seminar series starts in September; we'll also host an all-day 90.1 educational program in November. During the year, the Illinois Chapter will team with other professional groups, national organizations, and local universities to bring new and different educational opportunities to our members. Our *CTTC (TEGA)* and *Education* committees have worked hard to create a strong group of topics, speakers, and educational opportunities for our membership this year.

The Illinois Chapter ASHRAE will offer some 83 HOURS of Continuing Education Hour opportunities for you and your staff to take advantage of. We are very aware of the recent changes in the State of Illinois Professional Engineering License certification program, and no other

group can provide you with these many hours of CEHs for the price. We hope that every engineering firm and design build contracting firm uses us to help their staffs stay current on the latest design standards, innovations, and licensing requirements.

To further enhance attendance, we plan to try a few new things this year. For instance, we moved a number of our monthly Monday seminars and meetings to Tuesdays in an attempt to reach out to more attendees. Our research has found Mondays to be a very hard day for many people to get away, so we are trying a different day of the week for a while. Since December is a busy month, with holiday parties galore and other commitments, we are going to meet for lunch instead of dinner.

I would like to challenge every member to get more involved in ASHRAE. WE NEED YOUR HELP! This organization is only as strong as its volunteers, and currently we are woefully short of active volunteer members. Participating on ASHRAE local committees is a wonderful way for yourself or your employees to get involved, expand your professional skills, hone leadership skills, and give something back to this wonderful industry. We need more volunteers from the engineering and contracting fields. Without the involvement of these two important groups, the perspective of our organization becomes skewed and the ultimate success of ASHRAE is impaired. We understand that time commitment is a concern of every volunteer. However, large committees allow for low individual time commitments; unfortunately, when you are short of volunteers either the time commitment becomes too great for the few or the work simply does not get done.

We have a great staff of committee chairs, but they need volunteers to help round out their committees so that their work can be done with minimal time demands — and done well. At our August 24 meeting, we will be looking for volunteers and will have opportunities for interested parties to meet and discuss what every committee is doing. We challenge every company to provide at least one member of their company to attend this meeting and explore and consider the opportunities available for participation in the Illinois Chapter.

I thank you for this opportunity and look forward to seeing you at this year's many ASHRAE events.

Shawn Mansfield, Illinois Chapter President
E-mail: smansfield@bornquist.com

2004 Annual Meeting Seminars To Be Available Online, DVD

For the first time, seminar presentations at ASHRAE's 2004 Annual Meeting, June 26-30, in Nashville will be recorded and synched with PowerPoints to create online and DVD products following the meeting. Seminars are presentations on a central or related topic with no

published papers.

These recordings will capture the PowerPoint presentations along with presenters' spoken remarks. The recordings also will include the question-and-answer periods from each presentation. ASHRAE will record more than 100 hours of content from some 50 seminars, comprising more than 175 separate presentations.

The presentations will be available in three formats:

- A 2-DVD set containing the seminar recordings and an interactive table of contents page that gives a brief description of each seminar and provides links to view the presentations. The cost of the DVD is \$199 (\$149, ASHRAE members). Customers can purchase the seminar recordings DVD and the ASHRAE Meeting CD together. The cost is \$299 (\$225, ASHRAE members).

- Individual seminars for purchase and download from ASHRAE's online

bookstore. The cost per seminar is \$49 (\$25, ASHRAE members).

- Complete online access to all seminar presentations through the ASHRAE.org bookstore. The cost is \$149 (\$99, ASHRAE members).

The DVD will be available in August with the online presentations available in July. A free download of Webex Player, needed to play the recordings, will be provided on the DVD and in the ASHRAE.org bookstore.

All About ASHRAE, PDHs & CEUs

The State of Illinois' Professional Engineering Practice Act of 1989 has been amended by Section 1380.325, Professional Development, dated 12 December 1990. Its provision allows ASHRAE and the Illinois Chapter of ASHRAE (among others) to be an "acceptable provider" of PDHs and CEUs.

One (1) Professional Development Hour (PDH) equals 50 minutes of instruction/participation in an ASHRAE seminar or meeting presentation. A Continuing Education Unit (CEU) is the equivalent of 10 PDHs.

The amendment states that the licensee must acquire 30 PDHs to qualify for a license renewal beginning 30 November, 2005. The licensee must also maintain a record of his PDHs for 6 years that includes, but is not limited to the following: "A log of activities that includes the date and number of hours claiming as PDHs, a brief statement of the subject matter, printed program schedules, registration receipts or other proof of participation." Toward this end, the Chapter receipt given for any meeting and seminar or a combination of the two shall, in the future, list the event, date, the amount paid and the PDH award. All other required information is to be obtained by the attachment of the applicable copy of the Intercom's program announcement (or other event flier) to the receipt.

Incidentally, the ASHRAE Learning Institute provides the Fundamentals of HVAC&R Series, a series of nine courses that provides an award of 3.5 CEUs for each of the courses. The annual and semi-annual Society and CRC meetings are PDH sources, along with participation in Society and Chapter committees.

The Professional Development amendment may be found at

www.ildpr.com. Bring up the Department of Regulation page followed by clicking Select a Profession and scrolling down to click the *Engineering Profession* (or Professional Engineer) box. On the resultant page, click *Professional Engineering Rules*. This will bring up the Practice Act of 1989 where it will be necessary to scroll down to the *Section 1380.325, Professional Development*.

For questions, call Bob Smeltzer, 847/948-0100.

Tom McNamara Wins ASHRAE Student Achievement Award

Thomas McNamara, P.E., was the recipient of the ASHRAE Student Activities Achievement Award at the recent Society annual meeting in Nashville. The award recognizes a chapter student activities chair for service related to the goals and growth of student activities at all levels. He is a member and past president (1986) of the Illinois Chapter.

While serving on the curriculum advisory

committee of Oakton Community College in Des Plaines, Ill., Tom felt that an existing two-year HVAC&R associate degree program could be improved to better meet the needs of the engineering design community. He conceptualized a two-year year associate of science degree program for community college students to obtain entry-level positions as HVAC&R engineering assistants.

Tom reviewed the existing community college curriculum and determined that the skill set priorities could be found in other departments and the two-year degree program already in place. He packaged the proposed program in the form to be presented in the college catalog and made multiple presentations to the curriculum advisory committee and the community college board of directors, working on this segment of the program for two years.

Although the program was not implemented, he was nominated for his effort in volunteerism for ASHRAE and the HVAC&R industry. Tom McNamara is a founder and a principal mechanical engineer, LM Consultants Inc., Vernon Hills, Ill.

Mike Kuk To Join Military Building Project in Iraq

Past president (2001) Mike Kuk has been one of the Illinois Chapter's most active members throughout his long affiliation. He was never too busy, however, for his "other" life. Since his college days at the Milwaukee School of Engineering, some 19 years ago, Mike has served in the Wisconsin Air National Guard. His part-time active duty has taken him to destinations all over the world, serving his country in a variety of capacities. Beginning August 17, he heads for the "wild blue yonder" again, this time on an extended mission in support of our troops currently stationed in Iraq.



Captain Mike Kuk will join a civil engineering squadron headed for Iraq. He'll be responsible for HVAC construction on a variety of new projects and upgrades for existing military bases in the country. "Whatever needs to be done," he said, "housing units, hangars, new construction." He anticipates this tour of duty to last about four months.

While overseas, Mike hopes to find time for ASHRAE, perhaps assisting the Society's efforts to establish an ASHRAE chapter in Iraq. He also hopes to keep in touch with the chapter via e-mail to share his experiences with everyone. Mike Kuk and past president Jim Vallort are members of ASHRAE's *Homeland Security Committee*.

Mike Kuk lives in Montgomery, Ill., with his wife Diane, daughter Samantha (6), and son Ian (3). We'll all miss Mike and wish for his speedy, safe return.

Upcoming Events

(continued from page 1)

November 9, 2004, Tuesday

Dinner Meeting: Test & Balance
Avalon Banquets, Elk Grove Village, Ill.

November 16, 2004, Tuesday

Seminar (full day): Designing to Meet and Exceed
ASHRAE 90.1
Location to be determined

December 7, 2004, Tuesday

Lunch Meeting: Fans & Ductwork Design
Rock Bottom Brewery, Chicago, Ill.

January 11, 2005, Tuesday

Afternoon Seminar: How to Design an Ammonia
System for Refrigerated Warehouse
Dinner Meeting — Past Presidents Night
Avalon Banquets, Elk Grove Village, Ill.

February 5-9, 2005

ASHRAE Winter Meeting
Orlando, Florida

February 15, 2004, Tuesday

Afternoon Seminar: Understanding & Specifying
Web-Enabled Controls
Dinner Meeting: Engineering & Scholarship
Awards Presentation
Rosewood Banquets, Rosemont, Ill.

March 7, 2005, Monday

Afternoon Seminar: VFD & Motor Selection
Dinner Meeting — Student Night:
UIC Presenters
Parthenon Restaurant, Chicago, Ill. (Greektown)

April 4, 2005, Monday

Afternoon Seminar: Condensing Boiler & Venting
Technologies
Dinner Meeting: Retrofitting an Existing
Refrigeration System
Avalon Banquets, Elk Grove Village, Ill.

May 2, 2004, Monday

Afternoon Seminar: Energy/Heat Recovery
Technologies
Dinner Meeting: Local Building Code Review
Holiday Inn Apparel Mart, Chicago, Ill.

Illinois Chapter ASHRAE 2004-2005

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President-ElectMatthew R. Maddock
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"The Chapter Cannot Act for the Society"

OUTSIDE ASHRAE...

Of Interest to the Local Engineering Community

The Sept. 14 dinner meeting of SEAIOI (Structural Engineers Association of Illinois) will feature a presentation by R. Shankar Nair of Teng & Associates on the progressive collapse of structures. Progressive collapse is the collapse of all or a large part of a structure precipitated by damage or failure of a relatively small part of it. Examples of progressive and disproportionate collapse and approaches for the prevention of these disasters, including code provisions and governmental user-agency standards, will be discussed. The dinner will be held at Lawry's Prime Rib, 100 E. Ontario, Chicago. Parking is available on the Northwest corner of Ontario and Wabash for \$8.00 after 4:00 p.m. A cash bar will open at 5:15 p.m. and dinner will be served at 6:00 p.m. The program is expected to begin at 7:00 p.m. The cost of the dinner is \$40 for SEAIOI members and \$45 for non-members. Contact Donna Childs at (312) 372-4198. For information: www.seaioi.org

On Thursday, Sept. 30th and Friday Oct. 1st, the Illinois Institute of Technology (IIT) will host an international symposium on building sustainable communities. The symposium will cover major developments in public policy, urban planning and codes, green technology, construction & engineering, architecture, urban communities and design. World-renowned speakers from Chicago and the Netherlands will exchange information and interact with participants. For information: e-mail Helen Kessler hjkessler@rcn.com.

The U.S. Department of Energy is sponsoring a workshop Oct. 7-9, on how to use the most powerful computer modeling program (WUFI-ORNL) available for wall designs. It will cover conditions and remedies of moisture that have had devastating effects on modern construction. New techniques and applications to eliminate mold and other problems will be introduced. The workshop will be held at Allerton Crowne Plaza, 701 N. Michigan Ave., Chicago. To register, contact Jacqueline Hardman, e-mail: jackiebh@section08.com or phone (909) 699-0116.

All Public Buildings to be LEED Certified

Mayor Richard M. Daley recently announced that Chicago will become the most environment friendly city in the U.S. as its newly constructed public buildings will be LEED-certified by the U.S. Green Building Council (USGBC). The certification will assist the City of Chicago with its efforts to conserve energy, reduce costs and ensure healthier indoor environments.

(From ASHRAE's *The HVAC&R Industry*;
For more information on green buildings
and LEED, visit the USGBC Chicago
Chapter website: [www.usgbc.org/chapters/
Chicago](http://www.usgbc.org/chapters/Chicago).)

Ron Vallort Is New Society President

Illinois Chapter member Ronald Vallort, P.E., Fellow ASHRAE, is the new international Society president.

As ASHRAE's president, Ron directs the Society's board of directors and oversees the executive committee. During his term, he is emphasizing the widespread benefits of refrigeration for survival and ASHRAE as the strongest link in the cold chain.



He said, "We need to advance the technology of refrigeration to enable all the people of the world to enjoy its benefits. And this refrigeration should be more economical and foolproof to construct and operate, while still being friendly to the earth."

Ron served on the Society's board of directors as president-elect in 2003-04, treasurer in 2002-03, vice president in 1998-2000 and as director-at-large in 1992-96. He is a member of the Presidential Ad Hoc Committee for Building Health and Safety Under Extraordinary Incidents, TC 10.1, Customer-Engineered Refrigeration Systems, TC 10.5, Refrigerated Distribution and Storage Facilities, and TC 10.9, Refrigeration Application for Foods and Beverages.

He has served as chair of Regions Council, the Finance Committee, the Refrigeration Committee, the ASHRAE Learning Institute, Technology Council, the ASHRAE Planning Committee and the Research and Technology Committee.

Ron has held all leadership positions in the Chicago Chapter in addition to being active in the Illinois Chapter. He has received the Exceptional Service Award, the Distinguished Service Award and a Regional Award of Merit. Ron is past chair of the International Association of Cold Storage Constructors and the International Institute of Ammonia Refrigeration.

He was awarded a bachelor of science in 1964 and a master of science in mechanical engineering in 1965 from the University of Illinois.

Ron and his wife, Carolyn, reside in Oak Brook, Illinois. They have two sons, Joe and his wife, Maria, and granddaughters, Katrina and Elena, and Jim and his wife, Joel, and grandsons, Sean and Robert.

ASHRAE Society President's Message —

Refrigeration: Technology for Survival

A great challenge awaits ASHRAE. The future of Planet Earth depends upon refrigeration. And the advancement of refrigeration depends on ASHRAE. What must we do to meet this challenge?

Our Technical and Standards Committees Must Examine the Impact of Their Work on Humanity. I encourage our technical committee members to ask themselves this question when discussing research, programs or information for the Handbook: "How does this impact our industry and the public?" We should examine the Handbooks to see if they address all the needs of the cold chain. Standards should be formulated that address the needs of the cold chain with an awareness of energy efficiency and creative energy utilization.

Individual Members Must Apply Innovative Technologies. In some countries, up to 50 percent of crops fail to make it to the first phase of the after-harvest food chain. ASHRAE members must find ways to develop and construct the most energy efficient, low cost refrigerated transport and storage facilities possible. At the same time, we must not lose sight of the environmental impact of current and future refrigeration facilities. The problems of global warming and ozone depletion must be further addressed. Creative, practical thinking is needed to use all energy sources, not just the obvious ones.

We Must Look Outside to Strengthen Ourselves. ASHRAE's foundation can be strengthened by reaching outside of our own Society to take advantage of the capabilities of other related societies and organizations. Cooperation and networking through joint seminars, research and other activities enables ASHRAE to enhance its basis of knowledge and its persuasive ability, while at the same time increasing the capability of related disciplines and industries to improve the world we live in. We must also encourage governmental bodies to promote incentives for the use of advanced technologies, not establish deterrents.

Our Chapters Must Reach into their Communities. Chapters must help their members learn about innovative technologies and successful applications. Chapter Technology Transfer Committees should lead this effort. Chapters should educate the public about the vital role that ASHRAE plays in establishing the quality of life. Student Activities Committees should use the humanitarian benefits of refrigeration as a means to interest young people in our industry. Resource Promotion Committees should keep the vital importance of our mission in mind when calling on contributors

We Must Accept Our Challenge Globally. By engaging in meetings and conferences at all levels, locally, nationally and internationally, we can collect within ASHRAE best practices globally so that engineers in developing and war-torn countries can draw from a cumulative knowledge base. By creating a global network of technological solutions, the peoples of all countries can benefit from the rewards that refrigeration, heating and air-conditioning technologies make possible.

Planet Earth has a promising future because of ASHRAE. The creative power of ASHRAE and the ability to shape the future is driven by you, the members of ASHRAE. Your efforts will ensure that ASHRAE truly is the strongest link in the cold chain enabling refrigeration to be the technology of survival.

Ronald P. Vallort, P.E.
ASHRAE President 2004-05

To emphasize President Vallort's commitment to advancing the technology of refrigeration he is asking us to provide seminars on low temp or industrial refrigeration and organize a tour of a refrigeration plant. The Illinois Chapter TEGA committee is also committed to this and our program for 2004-2005 includes these items.

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