

ASHRAE NEWSLETTER

Long Island Chapter



May 2003



American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

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President's Message

The field trip to the New York Jets inflated practice field at Hofstra University was very informative and well attended. The dinner was good as well! Of particular interest to me was the use of a gas driven supply fan to back-up the electrically driven fan in case of a power failure. Andrew Braum did a great job describing the design and installation of the HVAC systems and for setting up the event. Many thanks go out to Andrew.

As in the past, we have sold out the golf outing; however, space is still available to attend the dinner.

Please contact me if you plan on attending the outing on May 5th.

We also have our usual monthly meeting scheduled for May 13, 2003. It is refrigeration night and we have two good lectures lined up. Please show your support to the chapter by attending the meeting.

Space is still available for volunteers to participate as committee members for next year. Please contact me as soon as possible if you are interested.

On May 3rd, Andrew Braum and myself will be attending

a preplanning meeting for the main CRC meeting in August. We will be discussing elections for regional positions and any changes to national rules and regulations affecting our region and chapter. I will give an update from the meeting when we meet on May 13th.

I look forward to seeing you all both at the golf outing and at our monthly meeting.

Steven M. Stein, P.E.
President
Long Island Chapter

CHAPTER MONTHLY MEETING

DATE: Tuesday, May 13, 2003

TIME: 6:00 PM - Cocktails
7:00 PM - Dinner
8:00 PM - ASHRAE Lecturer
9:00 PM - Conclusion

FEES:
Members - \$30.00
Guests - \$35.00
Student Members - \$15.00

Reservations requested, but not required.
Call (516) 785-9000



L.I. Chapter Officers & Committees

ASHRAE 2002/2003 OFFICERS

POSITION	NAME	PHONE	FAX	E-MAIL
President	Steven Stein, P.E.	(212) 536-3850	(212) 764-7827	stein@derector.com
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Programs and Special Events	Andrew Braum P.E.	(516) 785-9000	(516) 785-9148	asb@frigidyne.com
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May Chapter Meeting

Ken Carerra, a Geothermal Consultant, will be discussing geothermal applications in residential, commercial and institutional applications.

Roger Dieffenbach, ASHRAE Region 1 Director, will be installing our new officers for the 2003-2004 term.

Chapter Monthly Meeting Program for 2002/2003

September 10, 2002

Technical Session - Chiller Advances
Dinner Lecture - VAV Systems

October 8, 2002

MEMBERSHIP/STUDENT ACTIVITIES NIGHT

Technical Session - AutoCad Updates
Dinner Lecture - Wireless Monitoring

November 12, 2002

RESEARCH PROMOTION NIGHT

Joint Meeting with SMACNA
Dinner Forum - Construction Productivity

December 11, 2002 (Tuesday)

Holiday Party

January 14, 2003

Technical Session - Radiant Technology
Dinner Lecture - ROI Return

January 25-29, 2003

ASHRAE Winter Meeting and Show
Chicago, Illinois

February 11, 2003

Dinner Lecture - Distinguished Lecturer
Members Survival Guide

March 11, 2003

STUDENT ACTIVITIES NIGHT

Technical Session - Laboratory Exhaust/VAV Design
Dinner Lecture - Propane-Air Fuel Systems

April 8, 2003

Field Trip - Jets Inflated Practice Field

May 5, 2003

GOLF OUTING

May 13, 2003

REFRIGERANT NIGHT

Technical Session - Geo Thermal
Dinner Lecture - Refrigerant Piping

June 11, 2003

PAST PRESIDENTS & OFFICER INSTALLATION

Technical Session - Legal Collections
Dinner Lecture - Energy Code Update

June 26-30, 2003

ASHRAE Annual Meeting
Kansas City, Missouri

TEGA/Refrigeration

Technical Program for 2003 ASHRAE Annual Meeting

Concerns about mold and mildew and their effect on indoor air quality (IAQ) are a strong focus of the technical program at the ASHRAE 2003 Annual Meeting, June 28-July 2, Kansas City, Mo., at the Hyatt Crown Center. Ninety programs will be presented.

Mold and the HVAC&R industry is addressed by representatives of ASHRAE, the Chartered Institution of Building Services Engineers, the Mechanical Contractors Association of America, the National Environmental Balancing Bureau, the Refrigeration Service Engineers Society and the Sheet Metal and Air Conditioning Contractors' National Association, in a seminar. They will provide short position statements followed by a question and answer session.

Legal issues and liability concerns stemming from IAQ and mold are explored in another seminar. Speakers will share ideas for preventing problems, dealing with complaints, finding experts and consultants for testing and remediation, communicating with building occupants and remediating problems.

Mold issues in two types of buildings are addressed in seminars. A mold and mildew in commercial and institutional buildings session addresses ventilation, infiltration and other causes. Moisture generation in these buildings that is not controlled to the required dew point promotes mold, mildew and deterioration.

Mold and mildew control in residential construction examines possibilities of cures and mitigation.

The impact of duct systems on IAQ is addressed in a seminar. Ducts and duct failure can have a profound impact on IAQ. Pollutants are transported from buffer spaces and outside buildings through ducts. Ducts also

can serve as a source of pollutants from chemistry on duct services.

IAQ needs in humid environments are debated in a forum. It attempts to address questions including "what are the optimum ventilation methods to tightly control indoor space humidity levels and do the methods change for humid climates," and "what about air cleaners and other technologies being touted as solutions."

The technical program is comprised of 48 seminars (application-oriented presentations without papers), 13 symposia (presentations with papers on a central subject), 26 open-discussion forums, two technical sessions (paper presentations) and a poster session. A total of 86 papers will be presented.

Registration for the ASHRAE 2003 Annual Meeting is \$500 (\$295, ASHRAE member) prior to May 23. For more information or to register, visit <http://xp20.ashrae.org/MEET/KC-MeetMenu.htm>.

HVAC&R Industry eNewsletter

A weekly newsletter is available from Society with current news in the HVAC&R industry, new developments, meeting schedules, and other ASHRAE information, read about a lead story that investigates breaking industry news, and a feature story that takes an in-depth look at an industry topic in every issue.

It also has contains quick links to ASHRAE's online technical information, member-oriented ASHRAE content, and other site features.

Best of all, it's free to both ASHRAE members and non-members. To sign up for it go to the ASHRAE website (or directly to: <https://membership.ashrae.org/template/CreateMember>).

You may be check other ASHRAE e-mails at: <http://>

resourcecenter.ashrae.org/store/ashrae/lists.html

ASHRAE Issues Guidance on Protecting Public Health, Safety

A new risk management strategy for building owners to use in determining their level of risk in regard to extraordinary incidents has been issued by ASHRAE.

The report, Risk Management Guidance for Health, Safety and Environmental Security Under Extraordinary Incidents, was presented at ASHRAE's 2003 Winter Meeting held Jan. 25-29. The report, along with the executive summary, is available in PDF format online at ASHRAE.org at <http://xp20.ashrae.org/frame.asp?ABOUT/homelandsecurity.htm>.

The report addresses health, comfort and environmental security issues involving air, water and food technologies that are within the scope of ASHRAE. Extraordinary incidents are those caused by intentional, accidental or natural events.

There currently are some 4.7 million existing buildings in the United States. While the level of risk may be low for most, all owners should determine their risk and decide what steps to take to address that risk, according to ASHRAE.

"The recommendations contained in this report are designed to help building owners determine their risk in protecting public health and safety," said ASHRAE President Donald Colliver, Ph.D., P.E. "The risks associated with extraordinary incidents can be reduced by proper operation and maintenance of building systems."

The report provides:

- Methods for risk management strategy, which can be used to balance the desired level of ex-

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TEGA/Refrigeration (Cont'd)

posure against risk for specific buildings and shows how to evaluate their effectiveness. The report notes that owners are responsible for determining their own risk.

- Information on infrastructure support, constraints and vulnerabilities, including support and constraints both outside and inside buildings that can impact the effectiveness of air, water and food processing controls during normal and extraordinary operating conditions.
- Guidance for owners of existing buildings and for designers and owners of new buildings.

"Building occupants have come to expect 100 percent reliability from the infrastructure that serves them," said James Woods, Ph.D., P.E., chair of the ad hoc committee that prepared the report. "Most are not aware of how vulnerable and interdependent these systems are. This report addresses that vulnerability and suggests measures to reduce the risk of disruptions."

The report also addresses aspects of building performance that affect health and safety under extraordinary incidents. These include occupant egress, visitor access, building envelopes, entrance paths for contaminants, refuge areas and decontamination zones, chemical, biological and radiological protection, fire protection, smoke removal, air and water filtration, maintenance of air quality, and food and water processes that involve refrigeration within enclosed facilities.

Among the findings and conclusions in the report are:

- The health, comfort and productivity of building occupants should not be compromised in the name of reducing building vulnerability to extraordinary incidents.
- If the risk of terrorist attack is judged to be sufficiently high, a

greater number of redundant or backup features may be desirable and justifiable.

- Outdoor air intakes should be located so that they are protected from external sources of contamination and away from publicly accessible areas in order to minimize obstructions near the intakes that might conceal a device.
- Integrating the control sequences of HVAC systems for normal and extraordinary periods of operation is a critical design issue.
- Plans and drills for responses to extraordinary incidents are essential to the health and safety of the occupants and the first responders.

The report was written by the Society's Presidential Ad Hoc Committee for Building Health and Safety Under Extraordinary Incidents, which was appointed after the attacks of Sept. 11, 2001 and subsequent events.

The report is a follow-up to the report released in January 2002 by ASHRAE that has been nationally recognized by the Office of Homeland Security as one of the four most important guidance documents published since Sept. 11, 2001.

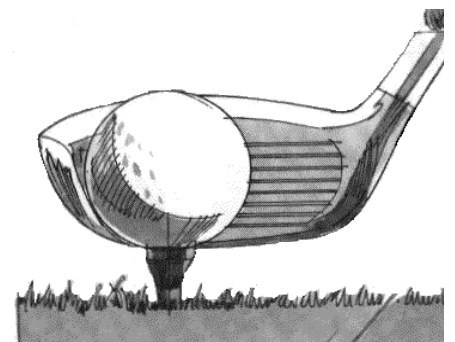
Special Events - Annual Golf Outing

The 4th annual NY/ LI Golf Outing has once again been sold out. We are hoping for some nice weather for our May 5th date. Thanks to the support of our sponsors, we are able to make this outing a memorable one. See next month's bulletin for the highlights and summary of the outing.

Alan Goerke, PE
Golf Outing Co-Chairman

Field Trip Attendance

Claudio Darras	AKF Engineering
Erick Pulido	AFK Engineering
Alan Goerke	ATI
Bob Leventhal	B&B Leventhal
Ron Kilcarr	Best Climate
Joe Costanzo	Best Climate
Mike O'Rourke	Best Climate
Andrew Braum	Frigidyne
Jerry Sewitch	Frigidyne
Meyer Braum	Frigidyne
Steven Giammona	JLA
Joseph Leno	JLA
Brian Bateman	JLA
Kenneth Trypac	LIPA
Fritz Tate	LIPA
Peter Gerazounis	MGJ Associates
Steven Friedman	MGJ Associates
Walter Stark	Nautica
Henry Schulman	Retired
Steven Stein	Robert Director Assoc
Steve Carrol	STR
Glenn Gorelik	Twincos Supply
Ken Freilich	Twincos Supply
Steve Bergman	Twincos Supply
Joe Ciriello	Twincos Supply
Ron Giglio	Xtraire Inc
Jason Giglio	Xtraire Inc



Student Activities

Students are always welcome to attend our meetings. If you know of a college student interested in joining us, please extend the invitation.

These students are the future of our chapter so please help me welcome them. Greet them during cocktails, invite them to sit at your table and share your knowledge and experience.

Students are also potential recruits for summer internships or full time positions when they graduate. I've already received interest from local firms seeking interns for this summer. If you are seeking interns, email me and I will forward your information to the local schools.

Peter Gerazounis, P.E.
Student Activities Chair



Long Island Chapter Past Presidents

1958	H. Campbell, Jr. PE	1980	Ralph Butler, PE
1959	Clyde Alston, PE	1981	Robert Rose, PE
1960	Sidney Walzer, PE	1982	Timothy Murphy, PE
1961	Sidney Gayle	1983	Leon Taub, PE
1962	William Kane	1984	Raymond Combs
1963	Louis Bloom	1985	Edward W. Hoffmann
1964	Milton Maxwell	1986	Jerome T. Norris, PE
1965	Will Reichenback	1987	Abe Rubenstein, PE
1966	Joseph Minton, PE	1988	Michael O'Rourke
1967	Irwin Miller	1989	Mel Deimel
1968	Walter Gilroy	1990	Robert Rabell
1969	Charles Henry	1991	Gerald Berman
1970	William Wright	1992	Donald Stahl
1971	Louis Lenz	1993	Ronald Kilcarr
1972	Ronald Levine	1994	Gerald Griliches
1973	Henry Schulman	1995	Walter Stark
1974	Myron Goldberg	1996	Joe Marino
1975	John N. Haarhaus	1997	Norm Maxwell, PE
1976	Richard K. Ennis	1998	Alan Goerke, PE
1977	Kenneth A. Graff	1999	Frank Morgigno
1978	Evans Lizardos, PE	2000	Michael Gerazounis, PE
1979	Albert Edelstein	2001	Ray Schmitt

Research Promotion

A special thanks to everyone who has helped with the Research Promotion committee. You have done a great job but there is a long way to go. For the past two (2) months donations have stopped. I suspect the economy and general business climate has a lot to do with this but folks need to remember that Research Promotion can be considered seed money for our HVAC future. With technical, environmental and legal issues on the forefront, we as a community need to support the efforts of those finding the answers.

Thank you to the following contributors:

Mr. Raymond Schmitt	Mr. Howard Weitzman
Mr. Fred Weber	Mr. Arthur Huebner
Mr. Michael Gerazounis	Mr. Peter Gerazounis
Mr. Frank Morgigno	Mr. Joseph Marino
Mr. Jeffrey Donahue	Mr. Michael O'Rourke
Mr. John Nally	Mr. John Cronin Jr.
Mr. Marcel Bally	Mr. Robert Kane
Mr. John Fanneron	Mr. Richard Arote
Mr. Ronald Kilcarr	Mr. Jose Betancourt
Mr. Claudio Darras	Mr. William Mahon
Mr. Craig Marshall	Mr. Rick Gaska
Mr. John Mazza Jr.	Mr. Steven Friedman
Mr. Steven Stein	Mr. Andrew Braum
Mr. Douglas Constantine	

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Robert Director Associates Inc.
James Lasala & Associates Inc.

If you have not made a contribution yet, please consider a small donation to ASHRAE Research. Please help seed our future.

John Nally - Research Promotion Chair



ASHRAE
Long Island Chapter

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