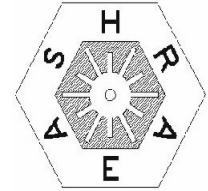


ASHRAE NEWSLETTER

March 2003

Long Island Chapter



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

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President's Message

I trust you all got as much out of Ms. Flehner's presentation as I did. It was very informative and touched on several key legal issues important to engineers, contractors and owners alike. Her presentation style was also one of the most dynamic I have ever seen. Many thanks go out to Andrew Braum, our program's chairperson, for arranging for Ms. Flehner to speak at our meeting.

March's topics and presentations will also be very informative. We hope that all of you can again be present and for those of you that couldn't make our last

meeting, we hope you will find the time to attend.

As most of you already probably know, Norm Maxwell will not be able to continue as 2004 CRC chairperson for personal reasons. Frank Morgigno and Alan Goerke have volunteered to co-chair the committee in Norm's absence. I trust you will continue to give your support and time to ensure the Long Island 2004 CRC will be special.

Many sub-committee openings are still available for you to participate. We can use your help; so please contact either Frank or Alan for more details.

Available slots for our annual golf outing on May 5 are filling up fast. Please call either Frank or Alan as soon as you can to guarantee your attendance at the event.

Now is also the time to start thinking about becoming more involved in our chapter for next year. We are looking for volunteers to be involved in one or several of our grass roots committees. Please contact me or any one of our Board Members if you are interested.

See you all in March.

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

CHAPTER MONTHLY MEETING

DATE: Tuesday, March 11, 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

DINNER LECTURE: ASHRAE Lecturer - See Pg. 5

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
President-Elect	Andrew Braum P.E.	(516) 785-9000	(516) 785-9148	asb@frigidyne.com
Vice President	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
Financial Secretary	Jeff Donahue, P.E.	(631) 563-4800	(631) 563-4807	jdcepc@aol.com
Treasurer	Craig D. Marshall P.E.	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
Secretary	John Nally	(631) 331-0215	(631) 928-4625	jn@atidfny.com
Board of Governors	Peter Gerazounis P.E.	(212) 643-9055	(212) 643-0503	pgerazounis@mgjassociates.com
Board of Governors	Steven Friedman	(212) 643-9055	(212) 643-0503	sfriedman@mgjassociates.com
Board of Governors	Ray Schmitt	(631) 585-6800	(631) 471-4950	therevrgs@aol.com

ASHRAE 2002/2003 COMMITTEES

Programs and Special Events	Andrew Braum P.E.	(516) 785-9000	(516) 785-9148	asb@frigidyne.com
Membership	Jeff Donahue, P.E.	(631) 563-4800	(631) 563-4807	jdcepc@aol.com
TEGA/Refrigeration	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
Newsletter Editor	Liset Pena	(212) 643-9055	(212) 643-0503	lpena@mgjassociates.com
Research Promotion	John Nally	(631) 331-0215	(631) 928-4625	jnally@atidfny.com
Historian	Steven Friedman	(212) 643-9055	(212) 643-0503	sfriedman@mgjassociates.com
Student Activities	Peter Gerazounis, P.E. Steve Friedman Ray Schmitt	(212) 643-9055 (212) 643-9055 (631) 585-6800	(212) 643-0503 (212) 643-0503 (631) 471-4950	pgerazounis@mgjassociates.com sfriedman@mgjassociates.com therevrgs@aol.com
Webmaster	Greg Chambers	(631) 331-0215	(631) 928-4625	gc@atidfny.com
Honors, Awards & Publicity	Mike Gerazounis, P.E. Alan Goerke P.E. Henry Schulman	(212) 643-9055 (631) 331-0215	(212) 643-0503 (631) 928-4625	mgerazounis@mgjassociates.com ag@atidfny.com
Nominating	Mike Gerazounis P.E.	(516) 482-3207	(516) 482-3790	mgerazounis@mgjassociates.com
2004 CRC General Chair	Alan Goerke Frank Morgigno	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atidfny.com fm@atidfny.com
Reception and Attendance	Ray Schmitt Mike Toder Steve Friedman Mike Mordetsky Greg Chambers	(631) 585-6800 (212) 643-9055 (631) 331-0215	(631) 471-4950 (212) 643-0503 (631) 928-4625	therevrgs@aol.com sfriedman@mgjassociates.com gc@atidfny.com
Golf Outing	Alan Goerke Frank Morgigno	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atidfny.com fm@atidfny.com

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March Chapter Meeting

Our technical session speaker will be Craig Marshall, P.E. of Accuspec. Craig will be discussing the various factors that should be considered when designing a laboratory airflow control system. Safety, Occupancy Comfort, Operating Cost and Control Systems will be some of the topics. Accuspec Inc. is a systems integrator of laboratory airflow control systems.

Our dinner speaker will be Kal Feinberg, P.E. of G.A. Fleet Associates. Kal will discuss how propane-air fuel systems can be used in lieu or back-up for natural gas energy sources. (See page 5 for more detail).

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

Board of Governors - Meeting Minutes

A meeting of the Board of Governors was held on 2/11/03 at the Milleridge Inn. Present at the meeting were: Steven Stein P.E., Andrew Braum P.E., Russ Stuber, Joseph Ting, Gregg Chambers, Craig Marshall P.E., Claudio Darras P.E., Erick Pulido, Alan Goerke P.E., Ray Schmitt, Mike O'Rourke and John Nally. The meeting was called to order at 5:15 PM and the following was discussed:

Steve Stein opened the meeting and called for committee reports:

Golf – Alan Goerke reported that arrangements were proceeding on schedule. Andrew had advertisement flyers printed up and some were distributed at the meeting. The outing will be limited to 128 golfers. Alan advised the board about the hole in one prize and the associated insurance cost of \$400.00. A motion was made to approve the insurance purchase and was carried.

CRC - Steve announced that Norm Maxwell will be stepping down from the CRC Chair position due to personal reasons and that Frank Morigino and Alan Goerke have offered to serve as the new chair and co-chair. Alan had copies of the hotel contract available and noted that we would have to renegotiate the number of rooms guaranteed, based upon information we received from other hosting chapters. He will also be notifying the hotel on the contact person change. Don Stahl has submitted a preliminary budget. A general meeting of the CRC committees is being planed

for the first week in March, the date and location to be determined and announced.

Newsletter - Steve announced that Norm has also stepped down from this position and that MGJ, Mike Gerazounis has offered to serve as editor for the remainder of this year. All articles for the March issue to be forwarded to MGJ this week.

Treasury Report – Craig Marshall stated that we have \$ 9,000.00 in the checking account and \$ 6,800.00 in the Merrill Lynch Fund. Craig provided copies of a proposal from an account to audit our books once per year. The proposal is being considered. Joe Ting indicated that we have to file with the IRS because of the amount of gross receipts. Joe noted form 990, and stated that information is available in appendix L. Craig will obtain all the information and respective forms and have for review at the next meeting.

Programs - Andrew Braum reported that the programs for the upcoming months were confirmed and that our field trip to the Jets training facility was also confirmed. Andrew indicated that prior reservations for the field trip would be required for security reasons. Andrew also noted that our e-mail communications have been good in keeping the board informed.

Tonight's distinguished speaker had arrived and was set for the presentation. Andrew has also been in contact with John Rice from the NY City chapter regarding a joint meeting, which is to be coordinated.

Website – Greg Chambers will be working with MGJ to get a electronic copy of the newsletter for our website. Eric Pulido has volunteered to assist with the website.

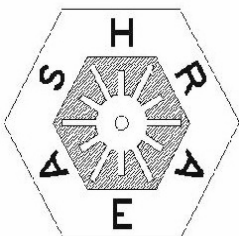
Research Promotion – John Nally reported \$ 4,560.00 recorded donations to date, which represents approximately 47% of the chapter goal. John also indicated that we have qualified in the required three bonus categories for the minimum PAOE points. The committee will continue soliciting donations.

TEGA – Claudio Darras reported that we have exceeded the PAOE point Parr and that we are continuing to accrue points.

Other items – Mike O'Rourke informed us of a new HVAC program that will be offered at Suffolk Community College. The program will need industry support and Mike urged the board's participation. Mike announced that there will be a fund raiser dinner held on April 25th, and he requested a copy of our chapter's mailing list. The board approved his request. Andrew suggested a possible scholarship from our chapter, this will be considered. Steve announced the engineers week dinner, we will be purchasing a table of 10 for our chapter. Any board or chapter members interested in attending please let Steve know.

Meeting adjourned 6:10 PM

John D. Nally
Secretary



Dinner Lecture - Propane-Air Fuel Systems

Our dinner speaker will be Kalman N. Feinberg, P.E. Mr. Feinberg is a graduate engineer from New York University with a Master of Science Degree in Mechanical Engineering. He is a licensed Professional Engineer registered in the States of New York, New Jersey, Connecticut, Virginia, and Kentucky.

He has been involved in the design, analysis, operation, and optimization of energy consuming systems in buildings since the beginning of his engineering career in 1972.

The talk will discuss how propane-air fuel systems can be used as a substitute / backup for natural gas. These systems produce a fuel that burns on natural gas burners without requiring any modifications to the burners. Consequently switch-over from natural gas to propane-air can be accomplished "on-the-fly" while the burners are firing, without any interruption.

These systems are economical, reliable, safe, easy to operate and maintain, efficient and environmentally friendly.

Research Promotion

A special thanks to everyone who has helped with the Research Promotion committee. Your efforts have proved fruitful as we have reached 50% of our target goal. But the real thanks goes to the 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
ADE Systems Inc.
Lizardos Engineering Associates
Control Solutions Group Inc.
EMTEC Consultants Inc.
Robert Derector Associates, Inc.
James Lasala & Associates, Inc.

If you have not made a contribution yet, please consider a small donation to ASHRAE Research. Help support the industry that helps support you.

John Nally
Research Promotion Chair

Refrigeration

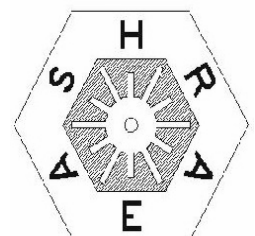
Climate Change - The US Senate adjourned before voting on an Energy Bill. Several new Climate Change initiatives have been produced for the new Senate, but are not expected to progress. The Dept. of Energy hosted 4 workshops countrywide directed towards input to improve 1605b reporting (voluntary reporting of greenhouse gas emissions). California passed a bill to regulate GHG emissions from autos, SUVs and light trucks in 2007.

Some experts predict that company executives could be liable for failing to address global climate risk. The first ever lawsuit alleging harm from global warming was filed in San Francisco US District Court August 27.

Ozone Depletion - The US Senate ratified both the Montreal and Beijing Amendments to the Montreal Protocol, which cover HCFC trade and production controls.

The US HCFC Allocation Rule was published on January 21st, effective immediately. It limits rights to produce or import HCFCs, allows for a petition process for HCFC-141b continued use, allows production and export to other countries and greatly expands record keeping and reporting requirements. EPA allocated 100% of the US baselines for both production and consumption.

Claudio Darras, P.E.
Refrigeration Chair



General Meeting Minutes

The regular monthly meeting was called to order by Steve Stein at 7:00 PM. Introductions were made and Andrew Braum provided a programs update and later introduced the guest speaker. The lecture featured a distinguished speaker, Maralynne Flehner, ESG, who offered "The ASHRAE Members Survival Guide" a legal information seminar.

Those in attendance were: (see listing below)

Meeting adjourned 9:00 PM

John D. Nally - Secretary

Craig Marshall	Accuspec
Claudio Darras	AKF Eng
Erick Palido	AKF Eng - Student
Alex Weiss	Alex Weiss
John Nally	ATI
Greg Chambers	ATI
Alan Goerke	ATI
Mike O'Rourke	Best Climate Control
Ron Kilcarr	Best Climate Control
Jeff Daniels	Cameron Engineering
Gary Pluschaw	Cameron Engineering
Ken Sullivan	DL Engineering
Ed Koufbero	Empire Industrial Sys
Tony Musumeci	EMTEC
Andrew Braum	Frigidyne
Angelo Garcia	Future Environment
Ken Horan	Jacobsen & Horan Eng
Thomas Nakashian	Lizardos Eng
Richard Gerbe	Lizardos Eng
Eric Berkowitz	McQuay NY
Joseph Ting	Nominating Committee
David Kwalbrun	Pavane & Kwalbrun
Paul Leon	PL Engineering
Steven Stein	Robert Derector Assoc
Russ Stuber	RVC Chapter
Leonard Locascio	Skanska USA
Steve Carrol	STR
Joe Farruggia	Ultimate Power
Ron Milano	Ultimate Power
Ron Giglio	Xtraire Inc
Jason Giglio	Xtraire Inc
Ray Schmitt	Wales Darby
Steve Bergman	Wing Supply Corp

**ASHRAE
GOLF OUTING
MAY 5, 2003!**

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'Rouke
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

TEGA

ASHRAE's Energy Standard can now be read for free online.

The complete ANSI/ASHRAE Standard 90.1 -- Energy Standard for Buildings Except Low-Rise Residential Buildings can be viewed in "read only" format. This new feature from ASHRAE allows users to preview the entire standard before buying.

ASHRAE Standard 90.1-2001 adopted for ICC Energy Code

The ASHRAE energy conservation standard will be included in the 2003 version of the International Energy Conservation Code (IECC). ASHRAE/IESNA Standard 90.1-2001, Energy Standard for Buildings Except Low-Rise Residential Buildings, was approved for inclusion in the Code by the International Code Council (ICC) on Oct. 3.

Effectiveness of UV Lamps in Circulating Air Ductwork

New research from the Air-Conditioning and Refrigeration Technology Institute (ARTI) examines the efficacy of germicidal ultraviolet (UVGI) lamps to inactivate representative environmental microbial aerosols in ventilation ducts. The results provide important information for designers, practitioners and forensic scientists. The final report can be downloaded without charge from the 21-CR website at www.arti-21cr.org.

ASHRAE Forms Technical Committee on Sustainability

Finding ways to reduce the impact of buildings on the environment is the goal of a newly formed technical committee of ASHRAE. Technical Committee 2.8, Building Environ-

mental Impacts and Sustainability, which held its first meeting at ASHRAE's 2003 Winter Meeting in Chicago.

ASHRAE Proposes Locations for Outdoor Air Intakes

Requirements for the location of outdoor air intakes are specified in a proposed addendum to the ASHRAE ventilation standard. Minimum separation distance requirements between common outdoor contaminant sources, such as exhaust vents and loading docks, and outdoor air intakes are specified in Addendum AA, which also sets requirements intended to limit rain intrusion & entrainment, and for bird screening.

Claudio Darras, P.E.
TEGA Chair

Student Activities

March's dinner meeting is our second of two (2) Student Nights. We will be inviting college students from the area to attend. For those who are currently student members or in the process of applying, the chapter will pick up their cost for dinner. If you know of a college student interested in joining us, please extend the invitation. Promoting student attendance is important for many reasons.

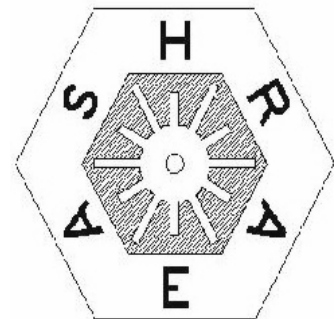
These students are the future of our chapter so please help me welcome them. Greet them during cocktails, invite them to sit at your table and share your knowledge and experience. Remember, they are also potential recruits for summer intern-

ships or full time positions when they graduate.

March 11, 2003 is also the deadline for submitting applications for the ASHRAE Long Island Chapter Bud Maxwell & Frank Pyne Scholarship. Every year, our chapter awards up to two (2) \$1,000 scholarships to the successful students who are well rounded and show an interest in pursuing an engineering career.

Anyone interested in obtaining a copy of the application can contact me.

Peter Gerazounis, P.E.
Student Activities Chair



ASHRAE
Long Island Chapter

4th Annual LI/NYC ASHRAE GOLF OUTING

Monday – May 5th, 2003

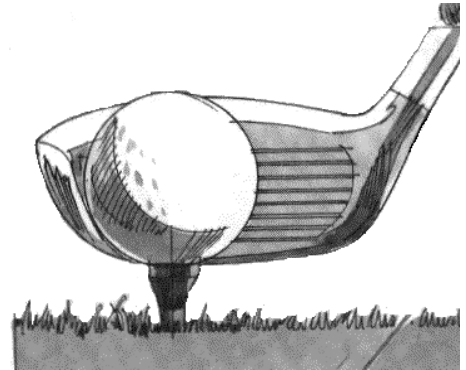
Place: Cherry Valley Club
Garden City, NY

Brunch: 11:00 am

Shotgun Start: 12:30 pm

Reception: 5:30 pm

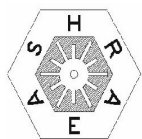
Dinner: 6:30 pm



*Proper golf attire and shoes are required.
Locker room and shower privileges are included.*

CHECKS MUST BE IN BY APRIL 23, 2003

Name: _____	Company: _____
Address: _____	Phone: _____
City, State, Zip _____	Fax _____
Guest 1: _____	Company: _____
Guest 2: _____	Company: _____
Guest 3: _____	Company: _____

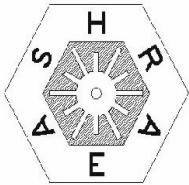


Please make check payable to:
ASHRAE – Long Island Chapter

Mail checks to:

Applied Technologies Inc.
Attn: Alan Goerke
415 Oser Avenue
Hauppauge, NY 11788
Fax: (631) 968 -4625

Golf & Meals:	\$250pp x _____	= \$ _____
Reception and Dinner:	\$120pp x _____	= \$ _____
Sponsor Dinner:	\$1,000 <input type="checkbox"/> YES	= \$ _____
Sponsor Lunch:	\$ 500 <input type="checkbox"/> YES	= \$ _____
Sponsor Reception:	\$ 500 <input type="checkbox"/> YES	= \$ _____
Sponsor Prizes:	\$ 500 <input type="checkbox"/> YES	= \$ _____
Sponsor Beverage Cart:	\$ 500 <input type="checkbox"/> YES	= \$ _____
Sponsor Hole:	\$ 200 <input type="checkbox"/> YES	= \$ _____



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100 West 32nd Street, 4th Floor
New York, NY 10001