

ASHRAE NEWSLETTER

September 2003

Long Island Chapter



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

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President's Message

On behalf of this years 2003-2004 ASHRAE Board, I'd like to begin by saying Thank You to Steven Stein, PE, our past President, for a job well done last year. Steve put a lot of time and effort into making our Long Island Chapter successful, and was recognized by our Region at this summer's Chapter Regional Conference in Rochester.

We have a very motivated energetic group of individuals charged to run the chapter this year.

I was very proud of our nine Long Island members that ventured to Rochester for the CRC. The workshops we attended will help us perform the tasks required by the chapter. It was

very informative as well as enjoyable to spend some quality time with the future leaders of The Long Island Chapter.

The Long Island Chapter is hosting this years CRC (Chapter Regional Conference). It is August 19 – 22, 2004. It begins Thursday with a Golf Outing. ALL members are welcome. Alan Goerke, PE and Frank Morgigno are co-chairmen of the CRC 2004.

Hats off to Craig Marshall, PE, John Nally, and Steve Friedman for grabbing the bull by the horns and switching the location of our monthly meetings. The Westbury Manor is a great place and we look forward to great years to come. We have decided to maintain the same cost for the meetings and offer our members more. More for the same price in 2003, sounds nice to me !

I would like to welcome all of our new ASHRAE board and chairpersons. Claudio Darras, PE is our new President Elect in charge of Programs, Craig Marshall is our new Vice President, John Nally is our new Financial Secretary and History Chairperson. Steven Friedman is our new Secretary, Peter Gerazounis, PE is our new Treasurer. Steve Giammona, PE is new to The Board of Governors and will handle Student Activities. Richard Gerbe will be the TEGA chairperson.

A special thanks to Liset Pena for her hard work with the newsletter. Steven Friedman, Mike Gerazounis, PE and Liset have all worked hard to make the newsletter a success. We are excited to move to the new technology and email the newsletter. This is one way we were able to provide a better venue for our monthly meetings

Our first meeting in September features Evans Lizardos, PE and John Lizardos, PE and Julian R. de Bullet an ASHRAE distinguished speaker who will discuss chiller related issues. Claudio Darras, PE is hard at work planning the year's activities.

It is my pleasure to serve you as this year's President. If you have any ideas or suggestions please feel free to contact me at any time.

Andrew S. Braum, P.E.
President
Long Island Chapter

CHAPTER MONTHLY MEETING

DATE:	Tuesday, September 9, 2003
TIME:	6:00 PM - Cocktails/Dinner 7:00 PM - Technical Presentation 8:00 PM - Dinner Presentation 9:00 PM - Conclusion
LOCATION: <i>* New Location</i>	Westbury Manor* South Side of Jericho Tpke. 25 Westbury, NY 11590 Directions on Page 4
FEES:	
Members -	\$30.00
Guests -	\$35.00
Student Members -	\$15.00

Reservations requested, but not required.
Call (516) 333-7117



L.I. Chapter Officers & Committees

ASHRAE 2003/2004 OFFICERS

POSITION	NAME	PHONE	FAX	E-MAIL
President	Andrew S. Braum, P.E.	(516) 785-4200	(516) 785-9148	asb@asbengineering.com
President-Elect	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
Vice President	Craig D. Marshall P.E.	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
Financial Secretary	John Nally	(631) 331-0215	(631) 928-4625	jn@atiofny.com
Treasurer	Peter Gerazounis, P.E.	(212) 643-9055	(212) 643-0503	pgerazounis@mgjassociates.com
Secretary	Steven Friedman	(212) 643-9055	(212) 643-0503	sfriedman@mgjassociates.com
Board of Governors	Steven Giammona, P.E.	(631) 592-2678	(631) 630-8883	sgiammona@jamesjlasala.com
Board of Governors	Michael Mordetsky	(631) 661-3136	(631) 661-3137	michael.mordetsky@us.belimo.com
Board of Governors	Steven M. Stein, P.E.	(212) 536-3850	(212) 764-7827	stein@derector.com

ASHRAE 2003/2004 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	E-MAIL
Programs and Special Events	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
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Research Promotion	Steven Friedman	(212) 643-9055	(212) 643-0503	sfriedman@mgjassociates.com
Historian	John Nally	(631) 331-0215	(631) 928-4625	jn@atiofny.com
Student Activities	Steven Giammona, P.E.	(631) 592-2678	(631) 630-8883	sgiammona@jamesjlasala.com
Webmaster	Alan Goerke, P.E.	(631) 331-0215	(631) 928-4625	ag@atiofny.com
Honors, Awards & Publicity	Michael Gerazounis, P.E.	(212) 643-9055	(212) 643-0503	mgerazounis@mgjassociates.com
Nominating	Michael Gerazounis, P.E.	(516) 482-3207	(516) 482-3790	mgerazounis@mgjassociates.com
2004 CRC General Chair	Alan Goerke, P.E. Frank Morgigno	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atiofny.com fm@atiofny.com
Reception and Attendance	Ray Schmitt	(631) 585-6800	(631) 471-4950	therevrgs@aol.com
August 2004 CRC Golf Outing	Alan Goerke, P.E. Frank Morgigno	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atiofny.com fm@atiofny.com

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Chapter Monthly Meeting - Program for 2003/2004

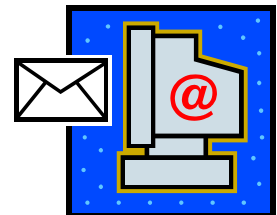
September 9, 2003 Technical Session - Choosing Chiller Technology Dinner Lecture - Chiller Plant Design, Variable Flow & Low Delta T Syndrome	February 22-28, 2004 NATIONAL ENGINEERS WEEK
October 14, 2003 MEMBERSHIP/STUDENT ACTIVITIES NIGHT Technical Session - Sand Filters & Centrifugal Separators Dinner Lecture - Available Cooling Tower Technology	March 9, 2004 STUDENT ACTIVITIES NIGHT Technical Session - To be announced Dinner Lecture - To be announced
November 11, 2003 RESEARCH PROMOTION NIGHT Joint Meeting with SMACNA Trade Presentation	April 13, 2004 Field Trip - To be announced
December 9, 2003 Holiday Party	May 11, 2004 REFRIGERANT NIGHT Technical Session - To be announced Dinner Lecture - To be announced
January 13, 2004 Technical Session - To be announced Dinner Lecture - To be announced	June 8, 2004 PAST PRESIDENTS & OFFICER INSTALLATION Technical Session - To be announced Dinner Lecture - To be announced
January 24-28, 2004 ASHRAE Winter Meeting and Trade Show Anaheim, CA	June 26-30, 2004 ASHRAE Annual Meeting Nashville, TN
February 12, 2004 Joint Meeting with NYC Chapter at UN International School, Manhattan. Special Presentation by Richard H. Rooley (ASHRAE President 2003-2004)	August 19-22, 2004 Chapter Regional Conference Region I Wyndam Wind Watch Hotel Islandia, NY

REMINDER TO ALL MEMBERS - FINAL NOTICE

As per our Summer 2003 membership notice this will be the last mailed issue of the ASHRAE Long Island Chapter Newsletter. Effective immediately all newsletters will be transmitted via email or fax. If you have not already replied with your email address or fax numbers please contact:

Ms. Liset Pena, Newsletter Editor
Email: lpna@mgjassociates.com
Fax: (212) 643-0503

Indicate Name, Address & All Contact Information. Thank you.



September Chapter Meeting - Program

You are cordially invited to our September 2003 Meeting



Technical Session Presentation

Choosing Chiller Technologies – Economic Approach
By Evans J. Lizardos, P.E. & John E. Lizardos, P.E.



Dinner Presentation

Chiller Plant Design, Variable Flow and Low Delta T Syndrome
By Julian R. de Bullet

Date:	Tuesday, September 9, 2003
Location:	WESTBURY MANOR (516) 333-7117 - <u>New Meeting Location</u> Jericho Turnpike (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY
Directions:	<p><u>From Southern State Parkway:</u> Take Exit 22 North (Meadowbrook Parkway) Northbound. See next paragraph).</p> <p><u>From Meadowbrook Parkway Northbound:</u> To Northern State Parkway Westbound (N.Y.) to exit 31 (Glen Cove Road - Hempstead). Bear right on Exit (Mineola-Hempstead) and go south on Guinea Woods Road for 4/10 of a mile to 2nd traffic light. Turn left onto Jericho Turnpike 25 and continue east for 3/10 of a mile.</p> <p><u>From Long Island Expressway 495 Eastbound:</u> Take Exit 39 South make a right (Glen Cove Road) and continue south on Guinea Woods Road for 1.8 miles. Turn left onto Jericho Turnpike 25 and continue east for 3/10 of a mile.</p> <p><u>From Long Island Expressway 495 Westbound:</u> Take Exit 39 South make a left on Guinea Woods Road for 1.8 miles. Turn left onto Jericho Turnpike 25 and continue east for 3/10 of a mile.</p> <p><u>From Northern State Parkway Eastbound:</u> Bear right toward Meadowbrook Parkway to exit 31 (Glen Cove Road). Turn left and proceed to Jericho Turnpike and turn right and continue eastbound for 3/10 of a mile.</p> <p><u>From Northern State Parkway Westbound:</u> Take Exit 31A (Glen Cove Road-Jericho Turnpike). Bear right and turn right onto Jericho Turnpike 25 eastbound for 3/10 of a mile.</p> <p>Manor located on your right. Watch for sign on right side of road--"Welcome to Westbury Manor." Turn right at sign and continue to parking area at end of driveway.</p>
Presentations:	<p>With the variety of chiller options in today's market, it is imperative to determine which approach will provide the lowest operating costs over the long term. This first presentation will cover a procedural method for factoring in the variables involved in the chilled water decision for a given Project.</p> <p>The second presentation will offer advice and guidance on how to design cost effective and reliable chilled water systems, utilizing variable flow design in compliance with ASHRAE 90.1.</p>
About our Speakers:	<p><u>Evans J. Lizardos, P.E.</u>, founder and president of Lizardos Engineering Associates, P.C., is an ASHRAE fellow and past President of ASHRAE LI Chapter.</p> <p><u>John E. Lizardos, P.E.</u>, is Vice President of Lizardos Engineering Associates, P.C.</p> <p><u>Julian R. de Bullet</u>, past ASHRAE Vice President, past President of ASHRAE National Capital Chapter, ASHRAE Distinguished Lecturer with over 25 years of experience in the HVAC industry.</p>

Board of Governor - Meeting Minutes

A meeting of the Board of Governors was held on 6/10/03 at the Milleridge Inn. Present at the meeting were: Steven Stein P.E., Andrew Braum P.E, Craig Marshall P.E., Claudio Darras P.E., Steven Friedman, Peter Gerazounis P.E., Ray Schmitt, John Nally and Abe Rubenstein P.E. The meeting was called to order at 5:10 PM and the following was discussed:

Steve Stein opened the meeting and called for committee reports:

Treasury Report – Craig Marshall provided checking account statement and status. Current balance is \$ 14,726.61 less the June meeting expense from the Milleridge. Craig identified the two IRS forms that need to be filed and noted that we have up to five months after the end of our fiscal year to file. Craig made a motion that we use an account for the first time filing and the motion was approved by the board. Craig will follow up with the accountant and get the filing done before the new treasurer takes over.

History – Steve Friedman updated the PAOE points. We have approximately 375 points to date.

Programs - Andrew Braum reported that we have approximately 725 PAOE points. This years programs are finished. Andrew reviewed the upcoming CRC meeting, attendees, registration, etc. Andrew set tentative board turnover meeting for Tuesday July 8th at the Milleridge.

TEGA – Claudio Darras reported that we have approximately 1000 PAOE points, all information has been submitted to Society and he has finished for the year.

Research Promotion – John Nally reported that the committee has collected approximately \$ 7,400.00 to date and that we will need additional funds to make the minimum 80%. John asked the chapter to make a donation. Craig Marshall suggested a \$ 500.00 donation, a motion was made and carried. John projected the PAOE points at 570.

Newsletter - The board discussed electronically mailing the newsletter in lieu of convention mail. This will save approximately \$ 650.00 per month. MGJ will send out a postcard mailer to notify current newsletter recipients of the change and ask for e-mail data. Hard copies via convention will still be available if selected.

CRC 2004 – Alan Goerke handed out copies of the tentative hotel contract. Alan stated that the contract would have to be renegotiated for lower room guarantees and several other items. These per the suggestions of Judy Marshall from Society. Alan suggested a tentative CRC meeting of all committee people to be held directly after the July 8th turnover meeting.

Meeting adjourned 6:10 PM

John D. Nally
Secretary



Research Promotion

I would like to welcome everyone back to another exciting year of ASHRAE. This year promises to bring a nice change to our local chapter and future events. One of the most important aspects of our engineering careers is the ever changing technology and keeping up with these challenges. As most of you know, ASHRAE provides a guideline for which consulting engineers rely on to base their design work. The amount of research and information provided in the published ASHRAE handbooks is a result of funds contributed by supporters like yourselves and can only survive with your help.

Hopefully this year will be very prosperous for the engineering, contracting and general construction community. Please make your donations to ASHRAE research promotion as our careers and industry depend on it. For those of you who have already taken the initiative and made your donations, thank you for your continued support. All personal and company checks can be made out to ASHRAE Research Promotion and sent to MGJ Associates 100 West 32nd Street, New York, NY 10001 to my attention.

We sincerely look forward to seeing you at our monthly chapter meetings. Again, thank you for your continued support of ASHRAE and our local chapter.

Steven Friedman
Research Promotion Chair

General Meeting Meetings

The regular monthly meeting was called to order by Steve Stein, PE at 7:00 PM. General introductions were made. Andrew Braum presented Steve Stein, PE with a certificate from Society for his dedicated work as chapter president. Andrew later introduced Alan Goerke PE from ATI who spoke on precision cooling for data centers.

Meeting adjourned 8:45 PM

John D. Nally - Secretary

CRC 2004 Committee Report

The Long Island Chapter representatives recently returned from the Chapter's Regional Conference in Rochester. Now it is our turn to host next year's meeting in August. Fifteen (15) chapters from the Northeast region will be attending. We are having the event at the Wyndham Wind Watch Hotel in Islandia. The preliminary agenda is for a golf outing at the Hamlet Golf Club on the premier Thursday afternoon. That night we are planning a wine reception showcasing the wines of a Long Island vineyard.

Some of the other activities we are planning is a tour of Sagamore Hill, the Cradle of Aviation Museum and Old Westbury Gardens. A few of these visits will take place during meeting hours. The events are open to our membership. With everyone's help and support we can make this a great and memorable event.

Alan Goerke, P.E. - CRC 2004 Co-Chairman

Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1981	Robert Rose, PE
1959	Clyde Alston, PE	1982	Timothy Murphy, PE
1960	Sidney Walzer, PE	1983	Leon Taub, PE
1961	Sidney Gayle	1984	Raymond Combs
1962	William Kane	1985	Edward W. Hoffmann
1963	Louis Bloom	1986	Jerome T. Norris, PE
1964	Milton Maxwell	1987	Abe Rubenstein, PE
1965	Will Reichenback	1988	Michael O'Rourke
1966	Joseph Minton, PE	1989	Mel Deimel
1967	Irwin Miller	1990	Robert Rabell
1968	Walter Gilroy	1991	Gerald Berman
1969	Charles Henry	1992	Donald Stahl
1970	William Wright	1993	Ronald Kilcarr
1971	Louis Lenz	1994	Gerald Griliches
1972	Ronald Levine	1995	Walter Stark
1973	Henry Schulman	1996	Joe Marino
1974	Myron Goldberg	1997	Norm Maxwell, PE
1975	John N. Haarhaus	1998	Alan Goerke, PE
1976	Richard K. Ennis	1999	Frank Morgigno
1977	Kenneth A. Graff	2000	Michael Gerazounis, PE
1978	Evans Lizardos, PE	2001	Ray Schmitt
1979	Albert Edelstein	2002	Steven M. Stein, PE
1980	Ralph Butler		

Web Access Update

During the upcoming month, we are going to be revamping the www.ASHRAELI.org website. The new website will be your source to our chapters events, bulletins, activities and people to contact. We realize that the web is becoming a vital communication link for most people and we are committed to creating a useful and comprehensive site for our membership.

Alan Goerke, P.E. - Website Committee

History - "The Test of Time"

A part of my job that I enjoy is performing field surveys of existing older buildings. Usually I am assisting a design engineer or contractor with a retrofit of the old heating equipment. It's fun to look over an old heating plant and try to read into the buildings history. You can usually see from the various equipment vintages, when additions were added, fuels were changed or other system modifications were made. One recent survey however did not provide many clues and was like stepping into a time machine and going back in time. It was a school building, and the maintenance fellow had been working there for "many" years. He was one of those types that kept everything spit shined and in good operation. As I stepped into the boiler room I was impressed by the cleanliness, bright lighting and obvious care this equipment had seen. I placed the installation somewhere in the late 1950's and amazingly most of the original equipment was still operational. Vacuum tubes were glowing, gauges moving, motors were running and wow, this room was really something. The equipment wasn't providing many clues about the building's history but one message came through very clear. This heating plant was a testament to good design, attention to details, proper installation and systematic maintenance. I was at the top of the stairs leaving the room when I noticed a small brass engraved plate on the back of one of the control panels. Curiosity getting the best of me I went back down to see what it said. Engraved on it was the job name and engineer of record, Mr. Clyde Alston P.E.

The late Mr. Alston was one of the founding fathers of our chapter and served as President in 1959. He participated in our chapter for over thirty years and was responsible for the mechanical design in a number of buildings in our area. I had the pleasure of working with Mr. Alston on projects in the past and I can say he gave careful consideration to design and detail. We learn from our past and there is a valuable lesson here. The design and details really do matter and they become essential for the ultimate test, the test of time.

**John Nally
Chapter Historian**

TEGA

Representatives of the air conditioning industry have recently cautioned the U.S. International Trade Commission (ITC) that continuation of tariffs on steel will encourage U.S. companies to move manufacturing facilities abroad. Citing huge price increases to manufacturers who use steel and broken long term contracts, they strongly urged the Bush Administration to end the steel tariffs and help restore America's ability to compete before more jobs are lost and more U.S. companies are forced to open plants in other lands.

"ARI urges the commission to consider the serious competitive impact of the steel tariff on our industry in its report to the President this September," said William G. Sutton, president of the Air-Conditioning and Refrigeration Institute (ARI). Sutton was joined in submitting testimony by Terry L. Bowman, vice president, Supply Chain Management, York International Corp., and Brian Kelly, president of National Refrigeration and Air Conditioning Products.

Noting that the air conditioning industry employs over 175,000 workers and contributes \$17 billion annually to the U.S. economy, Sutton said "As one of my members told me, 'Steel is a fundamental component of everything we make -- every day we pay extra for steel means more industry shifting to Asia.'"

Citing five foreign manufacturers, Kelly said "They do not have taxes, duties or domestic tariffs to worry about. The price of steel did not go up 54 percent in 2002 and they are not paying a 34 percent premium in 2003. They are in the process of taking large shares of the market by selling under our costs".

On the local front, our Long Island Ashrae Chapter needs your help to make this year's Presidential Award of Excellence obtainable. With this year the CRC being held on our home turf, it is more important than ever to get involved. We are encouraging all firms to submit applications for awards. These awards included the Milton Garland award, Dan Mills TEGA award,

Governmental Activities award and Technology awards. Please feel free to contact me for award descriptions and for the short form application. This is an easy way for the chapter to gain points and for firms to demonstrate their abilities by submitting their favorite projects and to recognize the achievements of your firm and its employees.

All applications will first be judged by the Long Island chapter, and then sent on to the regional director for judging. Then, if chosen, projects will be sent to Ashrae on the society level. PAOE points will be awarded to the Long Island for applications submitted on each level as well as for awards won. Please consider. I can be contacted via telephone at Lizardos Engineering tel. 516 484-1020 or by e-mail at reg@leapc.com.

Richard Gerbe
TEGA Chair

Student Activities

Bringing new talent into ASHRAE-related fields of engineering is one of the goals of Student Activities. In the next months we will be visiting local universities to meet with students enrolled in engineering programs to enlighten them of the benefits of ASHRAE for themselves as well as the world and the environment. We hope to encourage these students to become members where they can take advantage of the benefits including interaction with ASHRAE members, reduced costs for publications, subscription to ASHRAE Journal and free meeting registration to the Winter and Annual meetings. Student members also have the opportunity to apply for Local Chapter and Society Scholarships.

ASHRAE also offers Grants in Aid to qualifying graduate students and Undergraduate Senior Project Grants to universities that have a qualifying ASHRAE-related topic for a senior project.

While students are welcome to all meetings, two of our monthly meetings will also be Student Nights where we especially invite them to meet our members and learn more about the technical and professional advantages associated with being a part of the society. If you know of interested engineering students, please extend the invitation and even offer to treat for the dinner. Students are offered a discounted rate of \$15 for any regular dinner meeting during the year.

The Society also recognizes the need to reach students in the K-12 levels where preferences of career paths are formulated. Members are encouraged to become involved in their local elementary, middle and high schools' career fairs where students can learn of the career choices in the ASHRAE-related engineering profession.

By promoting ASHRAE at the college and pre-college levels, the Society and its members benefit from a larger and motivated pool of talent.

Steven Giammona, P.E.
Student Activities Chair

PAOE FINAL POINTS TOTALS FOR 2002/2003

**Congratulations to the 2002/2003 Committees for a job well done.
We look forward to another great year!**

Chapter Members	Membership Promotion Points	Student Activities Points	Chapter Programs Points	Research Promotion Points	TEGA Points	History Points	Chapter Operations Points	Chapter PAOE Point Totals
205	720	570	725	602	1155	375	1055	5202

COMING SOON - CLASSIFIEDS

The Long Island Chapter will be implementing a Classifieds Section in our monthly Newsletter. If you would like to place an ad advertising job opportunities or if you would like to advertise that you are looking for employment please contact our chapter's Treasurer, Mr. Peter Gerazounis, PE via email at pgerazounis@mgjassociates.com or at 212-643-9055 for further details.

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