

# THE LONG ISLAND SOUNDER

October 2007



ASHRAE Long Island Chapter, Region 1...Founded in 1957

www.ashraeli.org

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

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## President's Message

October 12 marks the official 50<sup>th</sup> Anniversary of our chapter's inception. What I find so significant about the milestone is that it allows us to reflect on the people and events that had such an important impact on our chapter, the society and our industry.

On Friday, September 28, 2007 we celebrated the occasion with a dinner cruise on the MV Sterling out of Manhasset Bay Marina in Port Washington. 110 of our members and their guests enjoyed a beautiful evening taking in the sights while enjoying good food, drink, music and most importantly, friendship.

My heartfelt thanks goes out to Alan Goerke, the event chairman for doing a superb job organizing the event and making it a success. Alan, a past-president of the chapter continues to make substantial contributions in so many ways not the least of which is with his time, effort and providing mentoring to the current chapter officers.

For me, the celebration of our chapter's history will go on for the rest of my term. It is my hope that I can derive the support of our chapter's past presidents and other members, having an appreciation of the efforts our volunteers put forth, to contribute some of their time, influence and insight. We have many committees that are up and

running and the members and chairpersons are doing a great job. Please read the newsletter and the reports of our chairs. We still have open positions to be filled in all of the committees.

There are also new committees I am hoping to create to provide additional exposure for the chapter and to continue its growth and success. But we can't do it without your help. Please contact myself or one of the chapter officers to discuss what you can do.

Last month John Bender of MWSK Geothermal presented the fundamentals, design and applications of geothermal systems. It was an interesting presentation that earned our professional engineers 3 PDH credits!

This month we have a presentation regarding dispute resolution procedures. The presenters are Michael Ganz and Marvin Schecter of the Jericho based law firm of Turnstead & Schecter. Michael is a familiar face at our regular meetings.



## CHAPTER MONTHLY MEETING

<b>DATE:</b>	<b>Tuesday, October 9, 2007</b>
<b>TIME:</b>	6:00 PM - Cocktails/Dinner 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
<b>LOCATION:</b>	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
<b>FEES:</b>	
Members -	\$35.00
Guest -	\$40.00
Student -	\$15.00

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

**Cont'd on Page 3**

## Long Island Chapter Officers & Committees

### ASHRAE 2007/2008 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	<b>Peter Gerazounis, P.E.</b>	212.643.9055	212.643.0503	pgerazounis@mgjassociates.com
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Vice President	<b>Steven Giammona, P.E.</b>	516.827.4900	516.827.4920	srg@cameronengineering.com
Financial Secretary	<b>Richard E. Gerbe</b>	718.269.3753	718.269.3598	rgerbe@trane.com
Treasurer	<b>Nancy Román</b>	516.256.4800	516.256.3299	nroman@airdist.com
Secretary	<b>Carolyn Arote</b>	516.256.4800	516.256.3299	carote@airdist.com
Board of Governors	<b>Brian Simkins</b>	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
Board of Governors	<b>Andrew Manos</b>	631.592.2660	631.630.8883	andym22@optonline.net
Board of Governors	<b>John Nally</b>	631.331.0215	631.928.4625	jn@atiofny.com

### ASHRAE 2007/2008 COMMITTEES



COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	<b>Steven Friedman</b> <b>Richard Rosner, P.E.</b>	212.695.1000 631.737.9170	212.695.1299 631.737.9171	sfriedman@lilker.com rrosner@csfllc.com
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Chapter Technology Transfer (CTTC)	<b>Andrew Manos</b>	631.592.2660	631.630.8883	andym22@optonline.net
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Student Activities	<b>Brian Simkins</b> <b>Carolyn Cammalleri</b>	203.261.8100 631.549.1000	203.261.1981	bsimkins@accuspecinc.com ccammalleri@lilker.com
Webmaster	<b>Richard E. Gerbe</b>	718.269.3753	718.269.3598	rgerbe@trane.com
Nominating	<b>Michael Gerazounis, P.E.</b>	212.643.9055	212.643.0503	mgerazounis@mgjassociates.com
Reception & Attendance	<b>Robert Morgigno</b>	631.331.0215	631.928.4625	rm@atiofny.com
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October's meeting is also the first of our membership promotion nights. If you are interested in joining, bring a filled out application and you will receive free entrance for the evening. Similarly, any sponsor of that new member will receive a free dinner as well. We take very seriously the need to get more people involved and appreciate your support.

I thank all our volunteers and members for your dedication, hard work and contributions towards the advancement of our distinguished society.

## Chapter Monthly Meeting - Program for 2007/2008

<b>September 11, 2007</b> * At Westbury Manor  Dinner Presentation - The Fundamentals, Design & Applications of Geothermal Systems - <b>3PDH</b>	<b>February 2008</b> <b>NATIONAL ENGINEERS WEEK DINNER</b>
<b>September 28, 2007</b>  <b>ASHRAE LI Chapter 50th Anniversary Dinner Cruise</b> Manhasset Bay Marina	<b>March 11, 2008</b> Dinner Presentation - Building Moisture Control & Design <b>DISTINGUISHED LECTURER</b>
<b>October 9, 2007</b> * At Westbury Manor Dinner Presentation - Alternative Dispute, Resolution & Litigation <b>MEMBERSHIP PROMOTION NIGHT</b>	<b>April 8, 2008</b> <b>FIELD TRIP - Newsday Plant</b> <b>Melville, NY (See April Program Section for Details)</b>
<b>November 13, 2007</b> * At Westbury Manor Dinner Presentation - Fan Fundamentals/VFD's - <b>1PDH</b> <b>RESOURCE PROMOTION &amp; STUDENT ACTIVITIES NIGHT</b>	<b>May 5, 2008</b> * <i>Cherry Valley Club, Garden City, NY</i> <b>ANNUAL GOLF OUTING</b>
<b>December 11, 2007</b> Holiday Party - Westbury Manor	<b>May 13, 2008</b> Dinner Presentation - Variable Refrigerant Flow Systems- <b>1PDH</b>
<b>January 8, 2008</b> * At Westbury Manor Dinner Presentation - Seismic Design & Application - <b>1PDH</b> Joint Meeting with ACCA	<b>June 10, 2008</b> * At Westbury Manor <b>PAST PRESIDENTS &amp; OFFICER INSTALLATION</b>
<b>February 12, 2008</b> * At Westbury Manor <b>JOINT MEETING WITH SMACNA</b> Dinner Presentation - TBD <b>MEMBERSHIP PROMOTION NIGHT</b>	<b>June 2008 - TBD</b> ASHRAE Annual Meeting
<b>February 2008</b> ASHRAE Winter Meeting	

## PAOE POINTS FOR 2007/2008

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
313	0	0	0	0	0	0	0

## Board of Governors Meeting Minutes

A meeting of the Board of Governor was held on Tuesday Sept. 11<sup>th</sup>, 2007 at the Westbury Manor. Present at the meeting were Peter Gerazounis, Steven Friedman, John Nally, Rich Gerbe, Nancy Roman, Carolyn Arote and Andy Manos. The meeting was called into session at 5:08 by President Peter Gerazounis:

**General Discussion** - Each member gave a quick review of their time at the CRC in Niagara Falls, and what is expected from each one of them by their RVC. We discussed final plans for the 50<sup>th</sup> Anniversary Boat Cruise being held on Sept 28<sup>th</sup> in Port Washington.

**Resource Promotion**- Steve Giammona was not at the meeting, but we discussed our new goal is higher than last year, and how we hope to meet the goal with some new ideas.

**Webmaster**- Our new Website is up an running at it is working really well. Rich Gerbe wanted members to take a look and see how the changes are working out.

**Treasurer**- All accounts have been handed over to our new treasurer. We are getting a new copy of our Tax Exempt form, which needs to be updated every year.

**Membership** - Promotion nights have been chosen as October and January.

**Student- Activities** - Carolyn Cammalleri has been added to the Committee.

***Carolyn Arote***  
***Chapter Secretary***





## Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1983	Leon Taub, PE
1959	Clyde Alston, PE	1984	Raymond Combs
1960	Sidney Walzer, PE	1985	Edward W. Hoffmann
1961	Sidney Gayle	1986	Jerome T. Norris, PE
1962	William Kane	1987	Abe Rubenstein, PE
1963	Louis Bloom	1988	Michael O'Rourke
1964	Milton Maxwell	1989	Mel Deimel
1965	Will Reichenback	1990	Robert Rabell
1966	Joseph Minton, PE	1991	Gerald Berman
1967	Irwin Miller	1992	Donald Stahl
1968	Walter Gilroy	1993	Ronald Kilcarr
1969	Charles Henry	1994	Jerald Griliches
1970	William Wright	1995	Walter Stark
1971	Louis Lenz	1996	Joe Marino
1972	Ronald Levine	1997	Norm Maxwell, PE
1973	Henry Schulman	1998	Alan Goerke, PE
1974	Myron Goldberg	1999	Frank Morgigno
1975	John N. Haarhaus	2000	Michael Gerazounis, PE
1976	Richard K. Ennis	2001	Ray Schmitt
1977	Kenneth A. Graff	2002	Steven M. Stein, PE
1978	Evans Lizardos, PE	2003	Andrew Braum, PE
1979	Albert Edelstein	2004	Claudio Darras, P.E.
1980	Ralph Butler	2005	Craig D. Marshall, P.E.
1981	Robert Rose, PE	2006	John Nally
1982	Timothy Murphy, PE		



## Student Activities

**Attention Students:** ASHRAE meeting registration is now open. Visit ASHRAE in New York City this January to reach new heights in professional development, networking and HVAC&R technology. Remember student registration is free.

**Student Activities:** I am looking for places to visit and spread the word about ASHRAE. There are many great publications available to distribute and help grow our industry. Let me know if you have any science fairs or activities that we could present our material at. Here are some examples of brochures and program available.

- [ASHRAE Student Guide](#)
- [ASHRAE Careers Profiles in HVACR](#)
- [Find Your Dream Job in ASHRAE](#)
- [Heating, Ventilating, air Conditioning and Refrigeration Engineering: Turning Ideas Into Reality](#)
- [Engineering and You](#)
- [Math Counts](#)
- [JETS](#)

**Senior Undergraduate Grants:** The *ASHRAE Senior Undergraduate Project Grant Program* provides grants to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry through the design and construction of senior projects. Grants are to be used to fund equipment and supplies for senior projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year.

Learn More Here: <http://www.ashrae.org/students/page/743>

Please visit: <http://www.ashrae.org/students/> for more information on all the Student ASHRAE activities and opportunities.

**Brian Simkins**  
**Student Activities Committee**



## October Program

*You are cordially invited to our October 2007 Meeting...*



**Michael D. Ganz, Esq.**

### Dinner Presentation ***“Alternative Dispute, Resolution and Litigation. What to expect & what are your rights!”***



**Marvin L. Schechter, P.E., Esq.**

<b>DATE:</b>	<b>TUESDAY, OCTOBER 9, 2007</b>		
<b>Time:</b>	6:00 PM – Cocktails and Hors D'oeuvres 7:00 PM – Dinner Presentation 8:45 PM – Conclusion	<b>Fee:</b>	\$ 35.00 Member \$ 40.00 Guest \$ 15.00 Student
<b>Location:</b>	<b>WESTBURY MANOR</b> (516) 333-7117 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. <b>Directions are posted at @ <a href="http://www.ashraeli.org">www.ashraeli.org</a>.</b>		
<b>Presentation:</b>	This month's presentation will address the various dispute resolution procedures utilized in construction as well as their advantages and disadvantages. In addition, we will address several means to improve your ability to be paid for your labor or services, including mechanic's liens, payment bonds and the New York State Construction Contracts Act known as the prompt payment statute. Construction projects often involve the complex interplay between owners, designers, contractors, subcontractors and suppliers. Naturally, disputes arise in this environment.		
<b>About our Speakers:</b>	<p><b>Michael D. Ganz, Esq.</b> is an attorney with Tunstead &amp; Schechter, a Jericho, New York based law firm. His practice focuses in the areas of construction, government contracts and commercial law. Mr. Ganz represents owners, design professionals, general contractors, subcontractors and suppliers. Before joining Tunstead &amp; Schechter, Mr. Ganz has practiced construction law with several firms. Prior to entering the construction law specialty, Mr. Ganz was Deputy Counsel to the Manhattan Borough President. Mr. Ganz has a B.S.M.E. from SUNY at Buffalo and worked as a project engineer for both private companies and government agencies (New York State Office of General Services and New York City Department of Environmental Protection) before attending Brooklyn Law School. Mr. Ganz is currently the chairman of the New York County Lawyers Association Construction Law Committee.</p> <p><b>Marvin L. Schechter, P.E., Esq.</b>, of Tunstead &amp; Schechter in Jericho, New York, has been an attorney for more than 35 years. Prior to his admission to practice, he was a civil engineer working as a designer for a consulting engineer firm and then as a technical editor for the American Society of Civil Engineers. Mr. Schechter formed his own law firm concentrating in construction litigation. He later joined with Richard Tunstead to form the firm of Tunstead &amp; Schechter. Mr. Schechter is admitted to practice before the Federal and State Courts in New York and the U.S. Claims Court. Mr. Schechter has lectured extensively to contractors and management groups throughout the country and has taught construction law at New York University and the City College School of Technology. He has authored a monthly legal column in <i>Construction Magazine</i> of the Associated General Contractors of America. Mr. Schechter is a life member of the American Society of Civil Engineers. He is a graduate of the City College School of Technology with a bachelor's degree in Civil engineering and Brooklyn Law School with a J.D. degree.</p>		

## Membership

EXTRA EXTRA...October 9<sup>th</sup> is our first Membership Promotion Night!!! We have a great lineup for programs this year, now all we need is some new members. Hopefully each one of you will think of one person who would benefit from not only being a member but from coming to our monthly meetings. When you find that person please bring them down, and if they join on October 9<sup>th</sup> both of you will enjoy dinner for free!

This month we will have An Assistant Regional Chair at our meeting, who is moving up from being my Membership Chair last year. Spencer is a great man, who is always willing to listen...so if you have any ideas you would like to get to the greater Ashrae Organization this would be the perfect opportunity!

Look forward to seeing you on October 9<sup>th</sup>!!

**Carolyn Arote**  
**Membership Chairman**



**October is  
Membership  
Promotion Night!**

## CTTC

### ASHRAE APPROVED CLIMATE CHANGE POSITION DOCUMENTS

(The follow text is an excerpt from the complete ASHRAE Climate Change Position document, which can be found on the official website [www.ashrae.org](http://www.ashrae.org).)

### CURRENT UNDERSTANDING OF CLIMATE CHANGE SCIENCE

Global climate is controlled by the energy equilibrium between incoming and outgoing energy of the earth, which is largely regulated by the interaction of the composition of terrestrial sinks and the atmosphere. Approximately one-third of the solar radiation (sunlight) reaching the earth is reflected back into space by clouds, small particles in the atmosphere, and the earth's surface. The remaining energy is absorbed by the surface and by gases in the atmosphere. Greenhouse gases, such as carbon dioxide (CO<sub>2</sub>) and water vapor, as well as small particles trap heat at, and near, the surface – maintaining the average temperature of the earth's surface about 33 °C (60 °F) warmer than would be the case if these gases and particles were not present.

When GHG releases to the atmosphere increase, the environment may be altered. Carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulfur hexafluoride (SF<sub>6</sub>) are contributing GHGs. Chlorofluorocarbons, HCFCs, and HFCs have important applications as refrigerants, heat transfer fluids, and blowing agents for insulating foams. They also are used for many other applications, such as solvents, propellants, and fire suppressants.

These gases absorb and re-emit infrared radiation emitted by the earth's surface. Greater concentration levels in the atmosphere increase the "energy-trapping" capabilities of the lower tropospheric region of the atmosphere. Climate change and variability occur naturally. Over thousands of years, periodic changes in the Earth's orbit, and variations in the concentrations of GHGs have caused climate to change between ice ages and interglacial periods such as the current warm period. Over shorter periods, climate variability may be driven by factors such as volcanic eruptions and variability in solar output as well as such oscillations as El Niño.

**Cont'd on Page 8**

**CTTC** (Cont'd. from Page 7)

The current concern stems from the potential for human activities (referred to as anthropogenic) to enhance the greenhouse effect. This effect could result in a climate shift beyond any experienced in recorded human history. Continuation of the current trends in the use of fossil fuels and other human activities will lead to increased concentrations of GHGs equivalent to a doubling — or more — of CO<sub>2</sub> levels from pre-industrial values during the twenty-first century. While some uncertainty remains as to the influence of human activities on climate, significant scientific opinion supports the view that some effect already is discernible.

**SUMMARY OF INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE FINDINGS**

The Intergovernmental Panel on Climate Change (IPCC) was established to assess information on climate change, to provide reliable, relevant (and unbiased) information on all aspects of the climate change issue. The IPCC is an independent international body, cosponsored by the United Nations Environment Program, the World Meteorological Organization and the United Nations Framework Convention on Climate Change. The most recent full assessment report issued by the IPCC in 1996 was prepared and reviewed by more than 2000 experts

According to the IPCC, the atmospheric concentration of carbon dioxide has increased by about 30% over the past 200 years, primarily from burning fossil fuels and deforestation; the atmospheric concentration of CO<sub>2</sub> is increasing at about 0.4% per year. The concentration of CH<sub>4</sub> has increased by about 145% and the current rate of increase is about 0.6% per year. The concentration of N<sub>2</sub>O has increased by about 15% and the current rate of increase is about 0.25% per year. The atmospheric concentration of CO<sub>2</sub> would be more than double from the level of 200 years ago by the end of the next century if current trends in the use of fossil fuel continue. Increases in fuel use in developed countries and rapidly growing usage rates in developing countries are both concerns. The concentrations of fluorochemicals, including fluorocarbon gases and sulfur hexafluoride, also are contributing to the enhanced greenhouse effect.

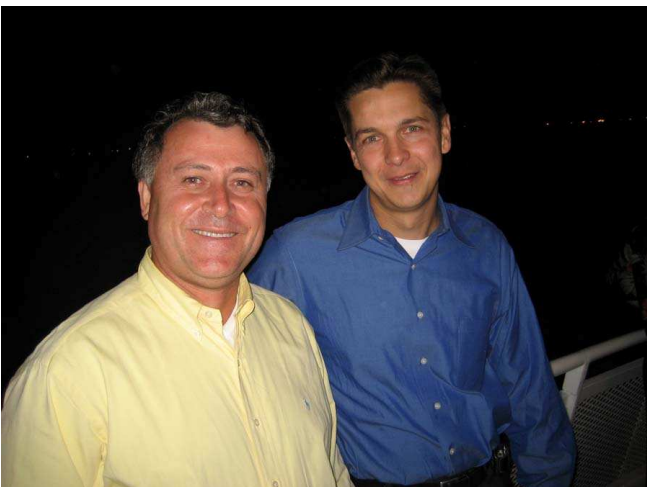
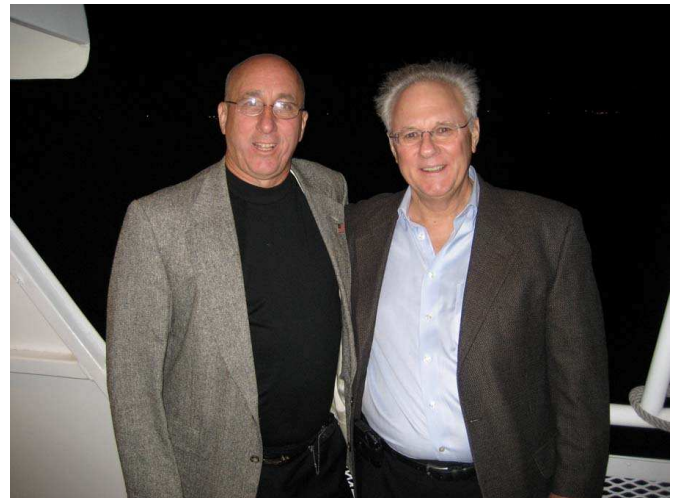
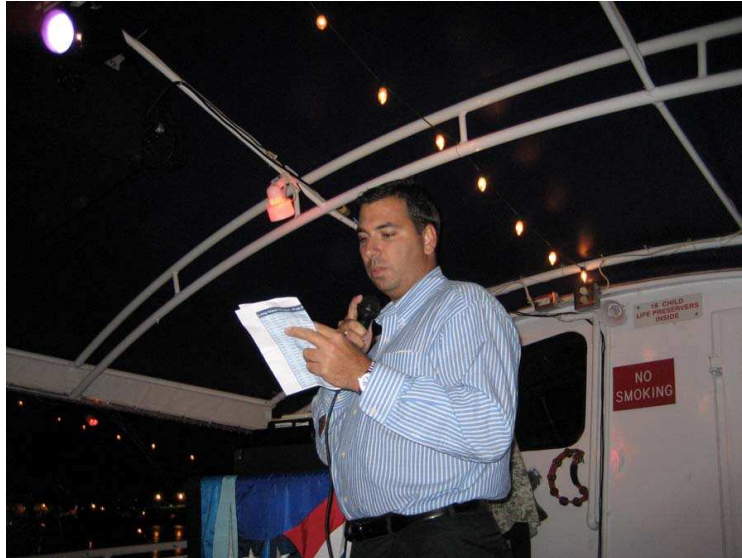
Carbon dioxide and some of the other GHGs will remain in the atmosphere for many decades or even centuries. Therefore, if actions are taken at some future time in response to observations of a human-caused global climate change, the warming effects would continue to become more severe for decades and could persist for more than a century. The magnitude, timing and regional characteristics of climate change are very uncertain. Considering the possible range of future GHG emissions and the uncertainty in the climate response to these emissions, global average surface temperature could increase by the year 2100 by 1-3.5 °C (1.8 -6.3 °F). Correspondingly, sea levels could rise by 15-95 cm (6-37") by the end of the next century. Impact estimates range from minor to very significant and even catastrophic.

Although many uncertainties limit the ability to determine the extent to which climate changes have been influenced by humans, a signal of a human-induced change is emerging from the noise of climate variability. Detection of a human influence involves a comparison of patterns of observed changes in climate with what is expected, based on the current understanding of the climate system. The uncertainties result from a limited understanding of natural variability, the influence of human activity on the increasing concentrations of GHGs and small particles in the atmosphere, and the climate response to these increases. Although progress is expected in understanding the climate system, resolution of the major policy-relevant issues is likely to take well over a decade. The buildup of GHGs in that period could have severe consequences.

**Andrew Manos**  
**Chapter Technologies Transfer Committee Chair**



## ASHRAE LONG ISLAND CHAPTER 50TH YEAR ANNIVERSARY CELEBRATION



## ASHRAE REGION 1 EXECUTIVE COMMITTEE 2007-2008

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<b>REGIONAL HISTORIAN</b> Phil Knowlton Knowlton Associates 191 Middle Haddam Road Portland, CT 06480 Phone: (B) 860-642-3970 pbknowlton@comcast.net	<b>WEBMASTER &amp; NEWSLETTER JUDGE</b> Heather L. Nowakowski, P.E. Roswell Park Cancer Institute Elm & Carlton Streets Buffalo, NY 14263 Phone: (B) 716.845.8144 Cell: (B) 716.289.0025 Email: Heather.nowakowski@roswellpark.org
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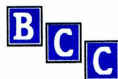
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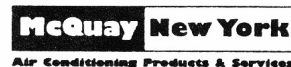
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