

October 2004

THE LONG ISLAND SOUNDER



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

Greetings and welcome to a new issue of the LI Chapter newsletter.

As you may have noticed, starting this year your attendance at Chapter meetings will earn CEU credits for your PE license. This is recognition of the quality of HVAC Chapter programs being scheduled for this year's meetings by Craig, which it is another good reason to come to the LI Chapter meetings.

Some colleagues would like to see more technical content in our newsletter. Starting next month, we will be including material obtained from our members and the Society. If you have something that is worth sharing in the field of HVAC, or a project that you are proud of, please email an article to any Chapter Officer and we will make an effort to include it in future issues.

Do you remember the last time that you visited your Elementary or High School? If you are considering stopping by and giving something back when you get there, the LI Chapter can help you. Andrew has obtained a special program with instructions and supplies from Society that makes introducing elementary and high school students to Science and Engineering fun and easy. The best part is that other ASHRAE volunteers can help you. If you have a few hours to offer, you can really make a difference. Participate by contacting any of the Chapter Officers.

Our first Board meeting of the year had a great start. This year's Board of Directors, Officers, and Chairs, a very special group of volunteers, renewed their commitment to serving the needs of the Chapter and you, the members, and we are all hopeful for a productive year, full of accomplishments.

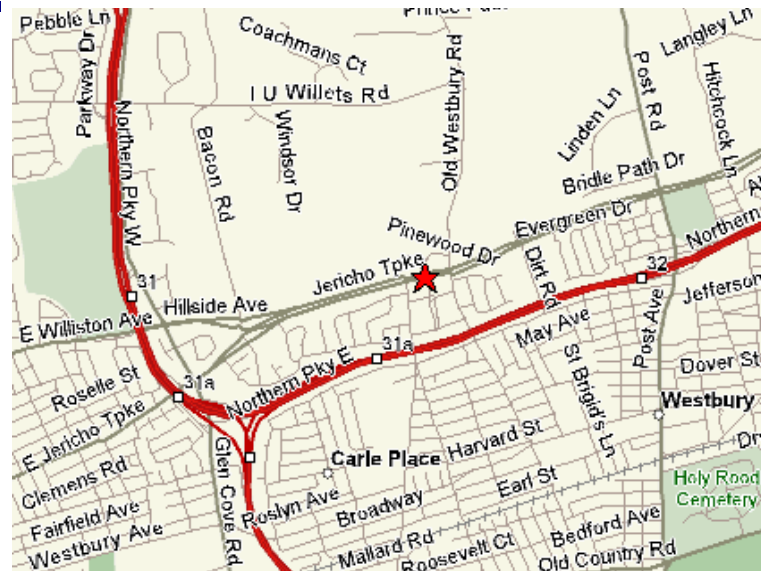


Cont'd. on Page 3

CHAPTER MONTHLY MEETING

DATE:	Tuesday, October 12, 2004
TIME:	6:00 PM - Cocktails/Dinner 6:45 PM - Dinner Presentation 9:00 PM - Conclusion
LOCATION:	Westbury Manor ★ South Side of Jericho Tpke. 25 Westbury, NY 11590 - See Map on Right
FEES:	
Members -	\$30.00
Guest -	\$35.00
Student -	\$15.00

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



Long Island Chapter Officers & Committees

ASHRAE 2004/2005 OFFICERS

POSITION	NAME	PHONE	FAX	E-MAIL
President	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
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Vice President	John Nally	(631) 331-0215	(631) 928-4625	jn@atiofny.com
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Treasurer	Steven Friedman	(212) 643-9055	(212) 643-0503	sfriedman@mgjassociates.com
Secretary	Steven Giammona, P.E.	(631) 592-2678	(631) 630-8883	sgiammona@jameslasala.com
Board of Governors	Richard E. Gerbe	(516) 484-1020	(516) 484-0926	reg@leapc.com
Board of Governors	James Hayes	(201) 247-7286	(718) 228-6721	jhayes@geru-usa.com
Board of Governors	Andrew S. Braum, P.E.	(516) 785-4200	(516) 785-9148	asb@asbengineering.com

ASHRAE 2004/2005 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	E-MAIL
Programs and Special Events	Craig D. Marshall, P.E.	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
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Webmaster	James Hayes	(201) 247-7286		jhayes5598@aol.com
Honors, Awards & Publicity	Ray Schmitt	(631) 585-6800	(631) 471-4950	therevrgs@aol.com
Nominating	Michael Gerazounis, P.E.	(516) 482-3207	(516) 482-3790	mgerazounis@mgjassociates.com
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	Nancy Roman Carolyn Arote	(516) 556-4800 (516) 556-4800	(516) 256-3299 (516) 256-3299	nroman@airdist.com carote@airdist.com
Public Relations & Engineering Joint Council of LI	Richard E. Gerbe	(516) 484-1020	(516) 484-0926	reg@leapc.com
Golf Outing	Alan Goerke, P.E. Craig D. Marshall, P.E.	(631) 331-0215 (203) 261-8100	(631) 928-4625 (203) 261-1981	ag@atiofny.com cmarshall@accuspecinc.com

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President's Message (Cont'd. from Page 1)

Among the attendees of last Chapter's meeting, we had the pleasant visit of Mr. Eugene Silberstein, coordinator from the Suffolk County Community College. Mr. Silberstein shared news of the creation of a new 2-year HVAC program at SCCC. During the year the Chapter will explore ways to support and contribute to this program. Our September meeting featured a presentation by John B. Rice, P.E. entitled "The engineer's role in sustainable design & the LEED rating system". John, partner at AKF Engineers and past president of the NYC Chapter, provided an historical context to the evolution of sustainable design, which included a review of the LEED Rating System and highlights of the role of the mechanical engineer in developing sustainable projects. Thanks to John for this insightful presentation.


If you could not come to our September meeting, you may find some of the topics discussed at the US Green Building Council website (www.usgbc.org) and ASHRAE website (www.ashrae.org). The LI Chapter is exploring additional activities this year associated with sustainability and Green Building Design. Check your Chapter newsletter and website for forthcoming announcements.

Our October meeting features a presentation by Mr. Ronald J. Wilkinson, P.E., ASHRAE Distinguished Lecturer, entitled "Buying or Selling - The nuts and bolts of Commissioning". This presentation is a detailed introduction about leading and managing the commissioning process. It will describe practical examples that can be used to manage the commissioning process. Mr. Wilkinson, VP at Dome Tech Commissioning Services, NJ, is a national author and speaker on the topics of commissioning and environmental control systems. He has written for most major publications in the field of facilities design and energy conservation, including the ASHRAE Journal, and is the author of the "Best Practices in Commissioning" handbook.

If you have not been able to attend to a Chapter meeting lately, our October meeting is a great opportunity to meet a friendly group of colleagues, enjoy great food at the Westbury Manor, or just relax after a hard day's work. We are looking forward to seeing you.

Claudio Darras, P.E.
President - Long Island Chapter

Chapter Monthly Meeting - Program for 2004/2005

September 14, 2004 * At Westbury Manor  Dinner Presentation - The Mechanical Engineer's Role in Sustainable Design & The LEED Rating Sys	March 8, 2005 FIELD TRIP Island Aire Facility Ronkonkoma, NY PTAC Units & Water Source Heat Pumps
October 12, 2004 * At Westbury Manor ASHRAE DISTINGUISHED LECTURER Dinner Presentation - Buying or Selling, The Nuts & Bolts of Commissioning	April 12, 2005 * At Westbury Manor MENTOR NIGHT Dinner Presentation - VAV System Design
November 9, 2004 JOINT MEETING WITH SMACNA-LI Dinner Presentation - TBD	April 13, 2004 * Location TBD ASHRAE Satellite Broadcast - Mold in our Building Environment
December 2004 Holiday Event - TBD	May 10, 2005 * At Westbury Manor REFRIGERANT NIGHT Dinner Presentation - TBD
January 11, 2005 JOINT MEETING WITH ACCA-LI Dinner Presentation - TBD	May 2005 ANNUAL CHAPTER GOLF OUTING
January 2005 ASHRAE Winter Meeting and Trade Show	June 14, 2004 * At Westbury Manor PAST PRESIDENTS & OFFICER INSTALLATION Dinner Presentation - TBD
February 2005 Joint Meeting with NYC, Bi-State & NJ Chapters (ASHRAE President Elect 2004-2005)	June 2005 ASHRAE Annual Meeting
February 2005 NATIONAL ENGINEERS WEEK	
August 2005 - Chapter Regional Conference Region I - New Jersey	

October Chapter Meeting - Program

You are cordially invited to our October 2004 Meeting



Dinner Presentation

***“BUYING OR SELLING –
THE NUTS AND BOLTS OF COMMISSIONING”***

Presented by

Ronald J. Wilkinson, P.E., ASHRAE Distinguished Lecturer

DATE:	TUESDAY, OCTOBER 12, 2004		
Time:	6:00 PM – Cocktails and Hors D'oeuvres 6:30 PM – Dinner Presentation 8:30 PM – Conclusion	Fee:	\$ 30.00 Member \$ 35.00 Guest \$ 15.00 Student
Location:	WESTBURY MANOR (516) 333-7117 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. Please Contact Craig Marshall at cmarshall@accuspecinc.com for directions. - Reservations requested but not required. Business attire suggested		
Presentation: (Length-1.5 to 3.0 Hrs)	This presentation is a detailed introduction about leading and managing the commissioning process. It will include information about recruiting and training personnel required to perform commissioning services and the training and skills to look for in a Service Provider. It will describe practical examples that can be used to manage the commissioning process.		
About our Speaker:	<p>Ronald J. Wilkinson, P.E. is currently the Vice President of Operations for Dome Tech Commissioning Services in Edison, New Jersey. Prior to that, he was responsible for managing the State of Montana's building commissioning program.</p> <p>Mr. Wilkinson was Secretary, Treasurer and Vice Chair of the Seattle Chapter of ASME from 1978-1982 and has been a member of ASHRAE since 1982. He is currently a member of the Building Commissioning Association and interim secretary of the Northwest chapter of the BCA. He is a recipient of the EPA's Environmental Excellence Award, the Montana Governor's Award for Excellence and is an ASHRAE Research Investor. He is co-Chair of the Commissioning Guidelines Committee for the National Association of State Facilities Administrators (NASFA) and a member of the HPAC Magazine Editorial Board.</p> <p>Mr. Wilkinson is a national author and speaker on the topics of commissioning and environmental control systems. He has written for most major publications in the field of facilities design and energy conservation, including the ASHRAE Journal, and is the author of the "Best Practices in Commissioning" handbook published by the Northwest Energy Efficiency Alliance. He has been invited speaker at the National Conferences on Building Commissioning since 1998 and lectured and provided workshops at the 2003 conference in Palm Springs, California.</p> <p>He earned his BSMAE from the Illinois Institute of Technology - Chicago in 1971, and his MPA from The Evergreen State College in Olympia - Washington in 1985. He is a licensed mechanical engineer in the states of Washington and Montana, and he has 30 years of engineering design experience in commercial, industrial and institutional facilities.</p>		



CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. - Long Island Chapter



Board of Governors - Meeting Minutes

A meeting of the Board of Governors was held on 9/14/04 at the Westbury Manor. Present at the meeting were: Claudio Darras, Rich Gerbe, Peter Gerazounis, Steve Friedman, Craig Marshall, Nancy Roman, Andrew Braum and Alan Goerke.

Meeting called to order by Claudio Darras at 5:05 PM:

Claudio Darras distributed Chapter Bi-Laws to BOG.

CRC – Alan Goerke received letter from Lynn Bellenger for high achievement of CRC. Andrew Braum indicated that CRC should have operated +/- 3,000. Peter Gerazounis to settle all account issues (income vs. expenses). Comments from region were all positive.

Treasury – Steve Friedman handed out costs vs. expense for year 8/1/03 to 7/31/04. As of 8/31/04 accounts show positive flow.

Programs – Craig Marshall, SMACNA & ACCA joint meetings still open. Special guest speaker for Refrigerant Night. June is open for speaker. Craig Marshall has a speaker available from healthcare industry. Need to show in newsletter which program nights will be accredited (Craig Marshall to advise).

Reception – To issue badges with names which would indicate that they paid to attend.

Newsletter – Claudio Darras mentioned that database is good source to get email and addresses of members. Steve Friedman mentioned that Liset Pena would like to get name, address, phone number and email for new members/newsletter recipients. Steve Friedman asked if anyone has comments on newsletter. BOG commends great job done. Articles for October Newsletter due September 24th. For all future inserts articles are due at least 3 weeks prior to meeting.

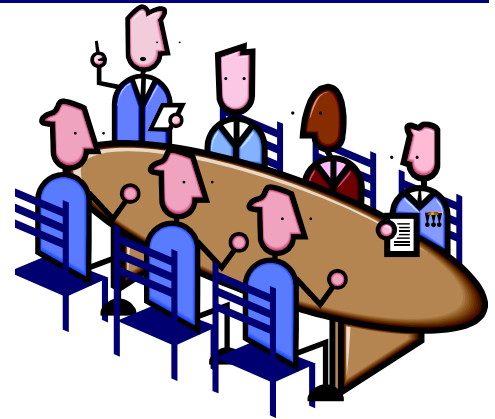
Resource Promotion – Claudio Darras mentioned that we must set goals. Peter Gerazounis to put together a summary to reach goals. List in newsletter of last year's contributors.

CTTC – Rich Gerbe, Hockey Game, Broadcast Seminar to obtain PAOE points. Rich Gerbe will attempt to gain 80-90% of total available points putting together agenda.

General – Claudio Darras needs to fill 2 positions (Historian and Honors & Awards Chairman). Andrew Braum volunteered for Honors & Awards.

Meeting adjourned at 6:20 pm.

Steven Friedman



**November's
Newsletter Articles
Due: 10/22/04
Newsletter to be
Issued: 10/28/04**

General Meeting Minutes

Meeting was called to order at 6:45 by Claudio Darras:

He Mentioned our upcoming events. Introduced our guest speaker, Mr. John B. Rice, P.E. of AKF Engineers. John gave an excellent lecture on the Mechanical Engineer's Role in Sustainable Design & The LEED Rating System.

Meeting adjourned at 9:15 pm.

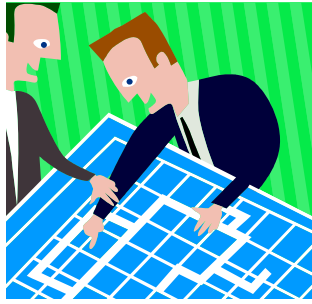
Steven Friedman



**Mr. John B. Rice, P.E.
Partner, AKF Engineers**

Student Activities - Participation

The more I become involved with student activities the more I realize what a valuable resource ASHRAE can be to engineering students. As members we all know how ASHRAE is at the front of HVAC&R technology and we appreciate the diversity the 50,000 + members bring to Society. Drawing on this knowledge is a tremendous opportunity for any engineering student. Our job as members is to reach out to the students and offer them the benefits of our life experience. On that note, we are looking to develop a program by which students working through our chapter members, can obtain mentoring and internships. We need you to step forward and say, "yes I'll help". Lets plant the seeds for the future.



If you are a student reading this, we encourage you to participate in our local chapter activities. Let us show you what's going on in ASHRAE. Did you know that there are scholarships, grants, design competitions and technical publications available to you? Let us help you take advantage of these opportunities.

If you made it to last months meeting you got to hear from Eugene Silberstein, who is the Coordinator for the HVAC&R courses at Suffolk Community College. Eugene has a lot of good stuff going on there and we need to help support his efforts. We are in industry in desperate need of trained technicians and this program is going to be a "shot in the arm" for our local trades. Again we urge everyone to help support this effort. Please give us a call and find out how.

Finally there are two events planned for the October month. First we will be participating in "Engineering Day" at Stony Brook University on Thursday the 6th and second we will be participating at the "Honors and Awards" convocation at Hofstra on Wednesday the 27th. Participation is a great thing.

John Nally
Student Activities Chair



Membership

I would like to take this opportunity to welcome three (3) new members to the Long Island Chapter. Your membership with ASHRAE will prove to be a valuable resource and we look forward to your participation in our chapter activities.

We will be having a membership promotion night at the November meeting. I would ask everyone to encourage membership of new individuals who would take an active part in our activities. We welcome people from all segments of the industry as well as students from our local schools. I will have applications on hand or you can call me and I will send one out in the mail.

Steven Giammona, P.E.
Membership 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	2003	Andrew Braum, PE

History - It's Quiz Time Again

Listed below are ten questions relating to a specific year and event of our chapter. See how many you can answer by matching them up. The answers are listed in the rear of the newsletter (page 12). Good luck!

Questions

- Our chapter has hosted three CRC summer conferences. When was the second conference held?
A. 1970 B. 1987 C. 1989
- In this year our chapter held it's silver anniversary dinner dance celebration.
A. 1968 B. 1983 C. 1994
- A motion to allow paid advertising in the monthly bulletin was made and approved in this year.
A. 1977 B. 1979 C. 1981
- A mailing list of the members of our chapter was first created in this year.
A. 1958 B. 1962 C. 1967
- What year did Evans Lizardos serve as president of our chapter?
A. 1969 B. 1978 C. 1984
- The front cover of the ASHRAE Journal featured an aerial view picture of the Grumman cogeneration plant in this yr.
A. 1986 B. 1988 C. 1991
- Our chapter celebrated the ASHRAE Centennial with historical displays and presentations, during an April dinner meeting at the Maine Main Inn this year.
A. 1959 B. 1987 C. 1995
- What year did Claudio Darras become the president of our chapter?
A. 2004 B. 1998 C. 1986
- Variable frequency motor drives were the hot topic of discussion at a dinner meeting during this year.
A. 1977 B. 1983 C. 1988
- Our chapter substituted a field trip that included a hockey game in lieu of the traditional holiday party in this year.
A. 1999 B. 2001 C. 2003

John Nally
Chapter Historian

RUNNING PAOE POINTS FOR 2004/2005

Chapter Members	Membership Promotion	Student Activities	Resource Promotion	History	Chapter Operations	Chapter Programs	CTTC	Chapter PAOE Totals
353	0	0	0	0	0	0	0	0

ASHRAE REGION 1 EXECUTIVE COMMITTEE 2004-2005



DRC - DIRECTOR & REGIONAL CHAIR (Term: 2003-07-01 to 2006-06-30)

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ARC - ASSISTANT REGIONAL CHAIR & TREASURER (Term: 2004-07-01 to 2006-06-30)

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73 Bonnie Way, Allendale, NJ 07401
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24 Tanglewood Drive, Essex Junction, VT 05452
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NOMINATING COMMITTEE ALTERNATE (Term: 2004-07-01 to 2005-06-30)

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RVC MEMBERSHIP PROMOTION (Term: 2003-07-01 to 2006-06-30)

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ASHRAE REGION 1 EXECUTIVE COMMITTEE 2004-2005 (Cont'd from Page 8)



RVC CHAPTER TECHNOLOGY TRANSFER (Term: 2003-07-01 to 2006-06-30)

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Email: asbasbengineering.com

REGIONAL REFRIGERATION CHAIR (Term: 2004-07-01 to 2005-06-30)

REGIONAL HISTORIAN (Term: 2003-07-01 to 2004-06-30)

George M Hardisty
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B R + A Consulting Engineers, Inc.
Phone: (B) 617-254-0016, x-308 Fax: 617-254-9175
Email: gmhbrplusa.com

WEBMASTER & NEWSLETTER JUDGE (Term:2001-07-01 to 2005-06-30)

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Tri Cities Temperature Control
Phone: (B) 607-724-8282 Fax: 607-724-2446
Email: mike.colwellmail.ashrae.org

2004 CRC GENERAL CHAIR, LONG ISLAND, NY (Term: 2004-07-01 to 2005-06-30)

Alan J Goerke
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2004 CRC GENERAL CO-CHAIR, LONG ISLAND, NY (Term: 2004-07-01 to 2005-06-30)

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Email: fmatiofny.com

CTTC

Humidity Control System Produces Drinking Water

I came across this press release from Munters and thought some people might find it interesting. In the LEEDS rating system this would be a perfect example of innovation in design and could easily and cost effectively gain significant points in many credit areas. I am sure this technology used in the right environments could be extremely beneficial and provide excellent water conservation.

A worldwide water crisis will create water shortages affecting more than half of the world's population within 50 years, according to a 2003 United Nations report. About 90 percent of the severe problems are in developing nations.

While pollution, irrigation practices and overdevelopment affect existing water supplies, Munters offers a new solution for capturing moisture from outside air and turning it into pure drinking water. The company's humidity control H2O LiquidAire system captures water during the dehumidification process and purifies it into drinking water. Both processes rely on a single source of energy.

The process is quite simple. Outside air passes through an efficient air filter, which purifies it by removing dust, pollen, mold spores and other airborne particles. The moisture is condensed from the outside air and collected in an ultraviolet -protected chamber. The condensate water is stored in a holding tank, which is continuously ozonated to prohibit bacterial growth. As needed, water is drawn from the tank, filtered through a VOC carbon filter and passed through an ultraviolet sanitation light. The water is now purified for drinking, and the cooled dry air is sent indoors to create a comfortable indoor environment.

"Every air conditioning system generates condensate from its cooling coils, which is just dumped down the drain," explains Larry Klekar, national accounts sales manager for Munters. "This system captures this virtually distilled water and turns it into drinking water.

The resulting water has been tested for 28 metals, plus 10 wet chemistries, including coliform bacteria. All of the elements registered at well below industry standards, according to San Antonio Testing Laboratory. Texas requires water to have fewer than 500 parts per million (ppm) of total dissolved solids (tds) for it to be rated potable. The testing lab found that the water from the H2O LiquidAire System had 0 ppm tds, compared to the city of San Antonio's water rating of 220-240 ppm tds.

"In our 16 years of water analysis, Munter's water is without a doubt the purest water we have ever tested," said Richard Hawk, owner and general manager of San Antonio Testing Laboratory.

Depending on the size of the unit, the system can produce as much as 13,134 liters of water per day. Munters has recently shipped a unit to Thailand. Another is headed to Jakarta, Indonesia, where PT Enternair Water Indonesia will use the system to air condition a manufacturing plant while capturing water, which will be bottled for sale. PT Enternair expects water sales to pay for the unit within two years.

"Humidity control is necessary in tropical areas, where the quality of drinking water tends to be poor," says Klekar. "We're bringing the two technologies together to solve both problems."

Richard E. Gerbe
CTTC Chairman



Resource Promotion

This month, we're listing all the individuals and firms who contributed financially last year to ASHRAE Research. Thanks to your generosity and the efforts of Steve Friedman, the chapter raised over **\$10,000.00**. This year we are hoping to exceed last year's contributions and I am asking everyone to contribute to this worthy cause. I will be sending out a letter asking for your financial donation. Please take a moment of your time and write a check. Just as easily, you can add that amount on your membership renewal form.

This year at our November dinner meeting, we will be honoring those who contributed to last year's Research fund. There will be a number of donor recognition awards presented and I will be contacting the recipients shortly. Mark your calendar for November 9th, for this important meeting and show your support for the industry that supports you.

None of the research that ASHRAE funds is possible without your generous tax deductible donations, so please contribute to an industry that supports your profession.

Your contributions can be mailed to:

Mr. Peter Gerazounis
ASHRAE Resource Promotion Chairman
c/o MGJ Associates
100 West 32nd Street, 4th Floor
New York, NY 10001

Thanks!

Peter Gerazounis, P.E.
Resource Promotion

2003-2004 ASHRAE RESOURCE PROMOTION CONTRIBUTORS

Marcel A. Bally	Jerome T. Norris
Michael P. Bladykas	Michael O'Rourke
Andrew S. Braum	Raymond G. Schmitt
Salvatore N. Castro	Christopher M. Schwarz
John C. Cronin	Douglas Shunk
Claudio Darras	Accuspec Incorporated
Steven D. Friedman	ADE Systems Incorporated
David B. Fruetel	Applied Technologies Incorporated
Rick Gaska	EMTEC Consultants Professional Engineering
Michael Gerazounis	GA Fleet Associates Incorporated
Peter Gerazounis	Gil-Bar Industries Incorporated
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**As a Courtesy to all Long Island Chapter Members,
All Classifieds Ads Submitted to the Newsletter will be Free of Charge.**

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. Steve Friedman via email at sfriedman@mgjassociates.com or at 212-643-9055 for further details.

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