



April 2004

Vol. 41, No. 7

Visit us on Internet at www.ashraeny.org

APRIL DINNER MEETING

Date: Tuesday, April 27, 2004

New Location: **The Yale Club of NYC**
50 Vanderbilt Avenue
(Between East 44th & 45th Streets)
212-716-2100

AGENDA

5:00 – 6:00 PM: Social Hour
(2 free drinks & hor d'oeuvres)

6:00 – 7:00 PM: Dinner
(Note: If anyone has any special dinner requirements, please notify Daniel Noto 212.615.3811 by 4/20)

7:00 – 8:00 PM: Technical Presentation

Speaker: Joseph Lorino, P.E., LEED
Horizon Engineering Associates

Topic: Building Commissioning

Cost: Members \$40.00
Student Members \$20.00
Guests \$55.00

*Please call or e-mail Daniel Noto (212-615-3811 or dnoto@cosentini.com) if you plan to attend our monthly dinner meetings. Limited seating is available. **Cash or checks only.** ASHRAENY will assess a \$10 service charge for ANY IOU's for attendees not paying the full attendance fee at the door.

Directions Inside

Smoking Is Prohibited At All ASHRAE Dinner Meetings

NYASHRAE MEETING MOVED TO THE YALE CLUB

Please note that our new monthly dinner meeting location change has taken effect. Our April 27, 2004 meeting will take place at the Yale Club in Midtown Manhattan. Directions and parking information for the Yale Club can be found on Page 8 of this bulletin.

APRIL DINNER SPEAKER

ASHRAE New York is pleased to have Mr. Joseph Lorino, P.E., LEED as this month's dinner speaker.

Mr. Lorino is well known throughout the power generation industry for his experience in power plant operations. During his 17-year career, he has served in a variety of operations, maintenance, management, and development positions related to stationary power plants and chiller plants. His extensive knowledge in this field has been an asset while being involved with the design, construction, start-up, and commissioning of numerous major boiler and chiller plants throughout the New York metropolitan area.

Joining Horizon Engineering Associates, LLP (HEA) in 1998 as Senior Partner, Mr. Lorino has been associated with numerous new commissioning and retro-commissioning projects, as well as the development and acceptance of the commissioning process in the northeast area, especially in the academics field.

Mr. Lorino is a graduate of the State University of New York Maritime College, earning a degree in Marine Engineering with a Nuclear Power Design concentration. He has also earned a Master of Business Administration (MBA) from Columbia University with a concentration in Management. Mr. Lorino is a Registered Professional

Engineer in the states of New York, Michigan and Ohio. He is a certified High Pressure Stationary Engineer and a Refrigeration Engineer for the City of New York, as well as a LEED 2.0 Accredited Professional.

Mr. Lorino is currently a member of the United States Green Building Council (USGBC), Building Commissioning Association (BCA), and The Association of Higher Education Facilities Officers (APPA).

For the cooling system, the paper will discuss existing rule of thumb for cooling tower system, chilled water supply temperature, chilled water control systems, and cooling load estimates.

For backup/emergency power, the paper will discuss the mostly proactive state-of-the-art system of utilizing Automatic Transfer switches, "ATS" vs. the utilization of smart breakers.

STUDENT BRANCH ACTIVITY

On behalf of the Student Branch at Technical Career Institute and the New York City College of Technology, we would like to take this opportunity to thank Mr. Al Webb for his time and excellent presentation he gave at a recent seminar. The presentation, "Fire/Smoke Dampers in Compliance with the New York City Building Code," was well attended and we look forward to working with him in the future.



Presenter, Mr. Al Webb

Jerry Zak, Faculty Advisor
ASHRAE Student Branch

TECHNICAL FOLLOW-UP

At the March dinner meeting, Mr. Hemant Mehta, P.E., of WM Engineering, gave the technical presentation on the topic of Large Chiller Design Systems. He has also written an article entitled, **Rule of Thumb. How do they Change with the Changes in Technology.**

Below is an abstract of the article, however, if you would like to download the full article, you may do so by visiting our web site at www.ashraeny.org.

Abstract

Technology has advanced exponentially. However, we see many utility plants are designed utilizing "Rule of Thumb" established many years ago. This paper will review the "Rule of Thumb" that consultants utilize on our industry and will provide guidelines on how to optimize the system by design utilizing the latest technology.

SCHOLARSHIPS

ASHRAE New York would like to congratulate the scholarship recipients for the 2003-2004 year:

Anton Cobb - The City College of New York

Mehrie Litkouhi - Manhattan College

Mohamed Ikhmayes - Technical Career Institute

Andrez Lamot - Technical Career Institute

David Torres - New York City College of Technology

PDH CREDITS

ASHRAENY will be awarding PDH credits for anyone attending our monthly meetings. Call or e-mail Daniel Noto (212-615-3811 or dnoto@cosentini.com). Copies will be available when registering for the dinner meetings.

2004 DINNER MEETING SCHEDULE

Date	Event/Topic
April 27, 2004 Dinner Meeting Research Promotion	Joseph Lorino, P.E., LEED Horizon Engineering Topic: Building Commissioning
May 7, 2004	Annual Dinner Dance Please contact Richard Batherman at 212-563-6756 for more info.
May 25, 2004 Dinner Meeting	John Foss Topic: Developing Environmental Trends in Combustion and Boiler Design

**FACILITIES & OFFICE BUILDINGS
STEAM SAVINGS SEMINAR
May 6, 2004**

Program Description

If you are responsible for maintaining a reliable, safe, and cost-effective steam distribution system for your facility or office building, this event is for you! Speakers at this two-hour seminar will introduce you to some of the top steam distribution improvement opportunities, free reference material, and money-saving tools for optimizing your steam usage.

This program is intended for Building Owners, Managing Real Estate Companies, Federal Facility Managers, Facility/Building Managers, Chief Engineers, Operating Engineers, and Facility Consultants. Industrial facility managers are welcome to attend.

Agenda

- **Introduction & Welcome:** ConEdison Solutions and National Association of Power Engineers
- **Steam Distribution and Condensate Best Practices:** Spirax Sarco and Nalco Company
- **Combined Heat and Power Overview:** Department of Energy Northeast CHP Application Center
- **Financial Benefits of Steam Efficiency:** Alliance to Save Energy
- **Resources available through the U.S. DOE:** Alliance to Save Energy

When

May 6, 2004 5:30 pm – 8:00 pm
(Registration from 5:30 – 6:00 pm)

IMPORTANT NOTE: For building security reasons, advanced registration is required. No walk-ins will be allowed. Please bring your ID to the event.

Where

ConEdison – Information Technology Digital Sandbox
55 Broad Street, 4th Floor Conference Room
New York, New York

Directions and subway info located at <http://www.55broad.com/downtown/>.

Parking garage at 1426 South Williams Street (2 blocks south of Broad Street)

Sponsors

- ConEdison Solutions (Site Host)
- Spirax Sarco
- Alliance to Save Energy
- Nalco Company
- Environmental Business Association
- Northeast CHP Application Center
- National Association of Power Engineers
- U.S. Department of Energy (DOE)

Registration

The cost of the workshop is \$35.00 per person before April 28 and \$50.00 per person after April 28.

Prepayment is preferred. Payments will be accepted at the door. Cancellations after April 28 are non-refundable. The registration fee includes refreshments and reference materials.

Register by contacting:

Environmental Business Association of NYS, Inc.
126 State Street, 3rd Floor
Albany NY 12207-1637
Phone 518-432-6400\Fax 518-432-1383
Email: info@eba-nys.org

Required Registration Information

NAME: _____
 TITLE: _____
 COMPANY: _____
 ADDRESS: _____
 CITY: _____
 STATE: _____
 ZIP CODE: _____
 PHONE: _____
 FAX: _____
 E-MAIL: _____
 PAYMENT TYPE: ? Check ? Credit Card ? Cash
Please make checks payable to the Environmental Business Association of New York State, Inc.
 CREDIT CARD TYPE: ? Visa ? MasterCard ? AMEX
 CREDIT CARD #: _____
 EXPIRATION DATE: _____

For further information, please contact **Kristin Lohfeld** of the Alliance to Save Energy at 202-530-4349.

FOLLOW-UP TO THE ALL DAY GREEN BUILDING SEMINAR

The New York Chapter of ASHRAE would like to take this opportunity to thank you for attending the All Day Seminar on Green Building Design. To complete the process we would like some feedback from you. Please fill out the questionnaire and return to us as soon as possible. Also if you are an Architect or Professional Engineer applying for Credits kindly submit your registration number in the appropriate box. **Please note that the credits will not be issued without your professional registration number.**

Once again thank you.

Michel Rimpel
Tel: 212-584-3109/Fax:212-685-5023
mrimpel@unis.org

Date: _____

Name: _____

E-mail: _____

Company: _____

Architect License #: _____

Professional Engineering License #: _____

What topic would you like covered for the next seminar: _____

Brief seminar evaluation: _____

	<u>Excellent</u>	<u>Good</u>	<u>Needs Improvement</u>
The seminar objectives were clearly stated.	?	?	?
The presenter displayed a thorough knowledge of course material	?	?	?
The auditorium environment was suitable for learning.	?	?	?
Handout materials were well prepared.	?	?	?
How would your rate the seminar?	?	?	?
Would you recommend this seminar to others?	? < (6	? 1 2	

2008 WINTER MEETING

The Winter 2008 Annual Trade Show and Winter Meeting will take place in New York City. ASHRAE New York is actively searching for people interested in helping ASHRAE run the show.

If you are interested and would like to speak to someone concerning the event, please contact:

John Rice
jrice@akf-eng.com
203-323-4333

or

Joe Thuman
Jatt21@aol.com
631-277-4737

NOMINATING COMMITTEE

The Nominating Committee is seeking nominees interested in joining the Board of Governors of the New York Chapter. If you are interested in participating on the Board or becoming active in a committee, please contact:

John Stiles
201.445.0085
john@capesales.com

RESEARCH PROMOTION

We would like to thank you for your past investment in ASHRAE Research, and hope that you and your company will once again make a significant investment in improving the way we live. Your generous contributions insure the future of our industry and influence our health and well being for today and for future generations. At the Society meeting in June, five new research projects were approved at a cost of over \$650,000 thanks to funds received from last year's campaign. There are now 93 active research projects being underwritten by ASHRAE Research.

Please make an investment today by completing the information below and return it with your investment. It is with great pleasure and gratitude for me to be a part of ASHRAE and the New York Chapter, it is therefore with this motivation and drive that I call upon you to support our research and make this a better place to live in.

ASHRAE Research Promotion

I will support ASHRAE Research in the amount of
\$ _____ (Check enclosed payable to ASHRAE Research)

Member Number: _____

Phone Number: _____

Name: _____

Company Name: _____

Address: _____

City/State/Zip: _____

Please Check One: Personal Contribution
 Personal Contribution

Charge my gift to: Visa American Express

Credit Card # _____

Expiration Date: _____

Signature: _____

Send to: ASHRAE Research Fund
 1791 Tullie Circle N.E.
 Atlanta, GA 30329-2305

SCHOLARSHIPS

Active Student Branches

- The City College of New York (CCNY)
- Manhattan College
- The New York City Technical College (NYCTC)
- The Technical Career Institute (TCI)

Amount of one (1) Award: \$2000.00

Total Number of Awards the Chapter offers PER YEAR
Eight (8) - \$16,000 per year

New Scholarship Award Criteria

1. Full time enrollment in the Mechanical Engineering or HVAC related programs of one of the above listed schools.
2. A minimum Grade Point Average (GPA) of 3.0.
3. Active ASHRAE student membership.
4. Satisfaction of one or more of the following activities:
 - a. Attendance at one (1) ASHRAE NY Chapter monthly dinner meeting and a one (1) page, typed, double-spaced report on the technical presentation.
 - b. A five (5) page, type, double-spaced report on a particular piece of HVAC equipment (i.e. pumps, chillers, cooling towers, fans, etc)
 - c. Attendance on an HVAC related field trip and a one page, typed, double-spaced report on what you saw and learned.
 - d. Past or present part time employment or summer internship at a consulting firm, state agency, or contracting firm in the Mechanical Engineering or Construction/Facility Management Departments.
 - e. Presently an active officer of your ASHRAE student branch.
 - f. Past or present active participation in HVAC related research or projects.
5. Students must conform to the above criteria by February 1st for the award to be given at our May Dinner Meeting.
6. Students must provide their mailing address and ASHRAE membership number.

ASHRAE CODE OF ETHICS

As a member of a Society “organized and operated for the exclusive purpose of advancing the arts and sciences of heating, refrigeration, air conditioning, and ventilation, the allied arts and sciences, and related human factors for the benefit of the general public,” ASHRAE Bylaws, June ‘97.

We recognize that honesty, fairness, courtesy, competence and integrity must characterize our conduct. With the foregoing in mind:

- Our efforts shall be directed at all times to the enhancement of the public health, safety and welfare.
- Our services shall be offered only in areas of our competence.
- Our products shall be offered only in areas of their suitability.
- Our public statements shall be issued only in an objective and truthful manner.
- Our endeavors shall carefully avoid conflicts of interest.
- The confidentiality of clients’ and employers’ business affairs, proprietary information, and procedures shall be respected.

Approved by the Board of Directors, June 22, 1986

The ASHRAE Code of Ethics is applied to all members and compliance is required for honors and awards nominees. The Code is posted online at www.ashrae.org/ABOUT/codethc.htm.

CALL FOR NEW MEMBERS

Do you have a colleague, coworker, friend or acquaintance that is interested in joining ASHRAE? If so, please pass this information along to them...

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is an international organization of over 55,000 professional and 5,000 students members. ASHRAE’s mission is to advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.

Membership in ASHRAE is open to any person associated with heating, ventilation, air conditioning or

refrigeration (HVAC&R). As a member you will have access to state-of-the-art HVAC&R technology. Your membership will also provide many opportunities to participate in the development of that technology.

In addition to the NY Chapter, participation is available through membership on Society committees, such as standards projects committees, which are responsible for the development of standards and technical committees which advise the Society on research needs, emerging technologies, and technical matters. Technical education and information is the greatest benefit of ASHRAE membership.

Others include:

- ASHRAE Handbooks - the most widely cited reference source for HVAC&R technology in the world. ASHRAE members receive one volume of the ASHRAE Handbook (which sells for \$144) each membership year at no charge.
- ASHRAE Journal - a monthly magazine, reviews current HVAC&R technology of broad interest through publication of application-oriented articles.
- ASHRAE Insights - a monthly newspaper that provides news about ASHRAE at the chapter, region and Society levels.
- ASHRAE publications - some 300 current titles, which members are able to purchase at a 20% discount.
- ASHRAE educational products - ranging from the Society's semiannual conferences to home study courses.

For additional information on ASHRAE membership, please contact:

Brian W. Ryglewicz
 NY Membership Chair
 212-685-7077 or br@chimneydesignsolutions.com

To view current resumes and/or employment opportunities, check out our new student center, or get the latest ASHRAE information, visit our web site at: www.ashraeny.org. To post resumes or job opportunities, please contact Kevin Gallen at 212.736.9600 or kgallen@fiskaaengineering.com.

Remember you must be a current ASHRAE member to utilize this service.



DIRECTIONS TO THE YALE CLUB

50 Vanderbilt Avenue (between East 44th & East 45th)
Midtown Manhattan

By Public Transportation: Grand Central is serviced by MetroNorth Commuter lines, the NYC Transit Authority 4,5,6,7 and the Shuttle from Times Square. Carey Bus serves the New York airports, and Olympia serves Newark airport transporting passengers to and from the area immediately in front of Grand Central Terminal, on the south-east corner of 42nd and Park Ave.

Located immediately west of Grand Central Terminal, the Club is one block east of Madison Ave. and one block west of Park Ave. When exiting Grand Central, take the "Vanderbilt Ave." staircase on the west side of the terminal. Upon reaching the street level, turn right, and look for the blue Yale flag hanging one block north.

Driving Directions from Queens: Take the Queensboro Bridge, exit to 2nd Ave. and continue south on 2nd Ave. to 47th St. Make a right onto 47th St. Go west on 47th St. to Vanderbilt Ave. Make a left onto Vanderbilt. The Club is on the right, between 44th St. and 45th St.

From Long Island: Take the L.I.E. west to the Midtown Tunnel. Exit tunnel and make a right onto 3rd Ave. Take 3rd Ave. north to 47th St. and make a left onto 47th St. Go west on 47th St. to Vanderbilt Ave. Make a left onto Vanderbilt. The Club is on the right, between 44th St. and 45th St.

From Pennsylvania, Washington DC & Points South: Take the New Jersey Turnpike North (I-95) to exit 16E Lincoln Tunnel. Upon exiting the tunnel stay to your left. At the first light, 40th St., make a right. Go east on 40th St. to Sixth Ave. Make a left onto Sixth Ave. Take Sixth Ave. to 44th St. Make a right onto 44th St. Go three blocks to Vanderbilt Ave. Make a left onto Vanderbilt Ave. The Club will be on the left.

From New England, Westchester, Connecticut & Points North: Take I-95 South to 278, the Bruckner Expwy, and follow signs to the Tri-Boro. When leaving the bridge follow the signs for the East River Drive. Take East River Drive (FDR Drive) to the 49th St. exit. Go west on 49th St. and make a left onto 2nd Ave. Go two blocks to 47th St. and make a right onto 47th St. Take 47th St. to Vanderbilt Ave. Make a left on Vanderbilt Ave. Go two blocks to the Club. The Club is on the right, between 44th and 45th Sts.

PARKING:

Hippodrome: 44th St. between 5th and 6th Ave. \$28.00 for 24hrs, get claim check stamped at The Yale Club Front Desk.

Grand Central Garage: 44th St. between Vanderbilt and Madison Ave. \$27.00 for 24 hrs, get claim check at The Yale Club Front Desk.

Valet Parking: Park in front of The Yale Club on Vanderbilt and bring car keys to Front Desk. \$30.00 for 24 hours. For weddings and large groups, there is an additional \$15.00 surcharge per vehicle.

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FROM THE EDITOR'S DESK

The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of its members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be address to:
Meraj Ramnarine, Technical Career Institutes, 320 West 31st Street, New York, NY 10001 or e-mail at mramnarine@tciedu.com.


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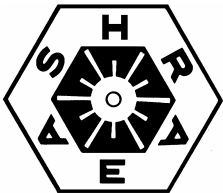
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