



September 2008

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Visit our website at www.ashraeny.org

SEPTEMBER DINNER MEETING

Date: Tuesday, September 23, 2008
Location: **Annie Moore's**
 50 East 43rd Street
 (Between Madison & Vanderbilt)
 212.986.7826

AGENDA

5:30 – 6:30 PM: Social Hour
6:30 – 7:30 PM: Dinner
(If anyone has special dinner requirements, please email Joseph Azzopardi one week prior to the meeting at lazzow@yahoo.com)

7:30 – 8:30 PM: Technical Presentation
Speaker: Ronald Padilla
 Control Technologies

Topic: *Toward High Performance Buildings*
 The Economic Benefits of Open Building Automation Systems

Cost: Student Members – FREE*;
 YEA Members - \$30; NY Chapter Members - \$35; Non-Members -\$40

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. Smoking is Prohibited at All ASHRAE Dinner Meetings. PE's are eligible for 1 PDH Credit*

*City College of New York, New York College of Technology and Technical Career Institute student advisors and student members of ASHRAE Student Branch are cordially invites, **AT NO COST**, to attend this meeting,

NYC college students studying engineering are welcome to attend and will have an opportunity to become ASHRAE Members at the meeting. Robert Daly, Technical Director of NYC Dept. of Buildings Boiler Division will address the students at the meeting.

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SEPTEMBER DINNER SPEAKER

Ron Padilla has been in the controls and building automation business since 1981 where he started in sales in the NY Metro area. Ron was the National Manager of Distribution for Invensys Building Systems (now TAC), before joining Control Technologies in April of 2002 where he started and developed the NY Metro office for CTI.

Ron has been involved with large System Planning & development with companies such as Exxon Mobil, Duke University Medical Center, Yale University, Fletcher Allen Health Care, Bank of America, Verizon Wireless, NYC Schools, and more.

Ron is a LonMark Certified Professional and now heads up the Integration Services Group on a corporate level for CTI, who has offices in New York, Massachusetts, Vermont, New Hampshire and California.

OUTGOING PRESIDENT'S MESSAGE

by Brian Ryglewicz, P.E.

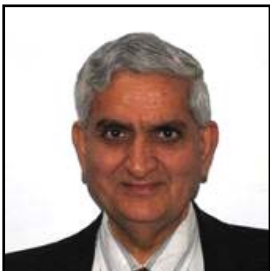
Another year has passed for the New York Chapter. We closed the year with a successful Annual Dinner Dance, All Day Seminar, Life Member's Night and Past President's Night. I would like to thank the board and committee members that volunteered their time for the continued success of the chapter. In addition, I also appreciate the support of the many sponsors and advertisers that allow our events and programs to be reasonably priced for our membership. Furthermore, for the second consecutive year the New York Chapter has raised over \$25,000 for Research Promotion (RP). As incoming RP Chair, I hope to reach the standard set by the past two RP Chairs.

It has been an honor to serve the chapter as President and look forward to supporting the chapter for years to come.

INCOMING PRESIDENT'S MESSAGE

by Om Taneja, P.E.

I am honored and humbled that you have elected me to the president of the NY Chapter of Prestigious Organization, ASHRAE. ASHRAE NY has been the member of ASHRAE since the year 1911, has steadily progressed and is well prepared to solve the old and emerging issues of energy, environment, and quality of life, as it gets ready to celebrate its 100th Anniversary in the Year 2011.



The world has become a global place and matters of energy and environment can only be met by global actions, including diverse community of people from Europe, Canada, Asia & Africa and with greater participation of women, minorities and engineers

and designers from the global community. The New York City Area being the Gateway to the World is best suited to promote the global focus of ASHRAE. In addition, we see lot of gray-haired Men as Members. We appreciate their contributions and wisdom, but our challenge continues to be to bring the Younger Engineers, like me, to join the Society and take over many of the progressive and smart HVAC Technologies Roles.

We are a volunteer based organization and there is lot to be done. This cannot be done by a few, but we need all of you to volunteer some time to promote the Educational, Research, Energy & Environmental Program to fulfill the Mission of ASHRAE. If I am going to add any value to

ASHRAE NY's accomplishments, it can only happen with your participation, support and contribution of your time of efforts. We would try better and more programs and developmental and fun activities. So please join us in our monthly programs, Lecture Series, All Day Seminars and diverse other activities.

Those of you who come to our activities already know what a great value it is because we get a lot of repeat participants. To those who do not get involved, please make a commitment to get involved, join ASHRAE Committees or help on important other ideas. We welcome your new ideas to make our Society more useful to the Members and the Society at Large. With highly motivated board and talented members, we can work together in 2008-09 to better serve the needs of our communities.

I look forward to working with you as a partner in action.

BOARD OF GOVERNORS HIGHLIGHTS

Ever wonder what we're talking about at our monthly Board meetings a week before the monthly dinner meetings? We discuss overall Chapter Operations and here are some of the items that we're discussing at present:

- Annual Dinner Dance was a success. We encourage our membership to participate.
- ASHRAE awarded three scholarships to students totaling \$6,000 for the academic year.
- Please check your e-mail to verify that you are receiving the bulletin – our new service provider is still receiving voided addresses. Please send your updated e-mail addresses to bulletins@ashraeny.org.
- Chapter is seeking membership from Practicing Institute of Engineers. This will help to serve our membership better with PDH awarding.
- Holding Student and Membership Promotion Nights at our dinner meetings and award membership certificates and scholarships.
- And last, but certainly not least, how best to serve our Membership... YOU!

And much, much more! Sound interesting? If anyone is interested in helping out the Board of Governors on any one of our committees, events or activities, please contact Om Taneja.

STUDENT REPORT

*by Alexander Weiss, P.E.
NY Chapter Student Activities Chair*

September is here. Welcome back to 2008-2009 academic year and ASHRAE NY Chapter meetings.

September 23rd is the Dinner meeting and Student Night. Students from City College of New York and Technical Career Institute will receive NY Chapter and National ASHRAE scholarships. Dinner for Student Branch members and their Advisers is complimentary. We welcome engineering students from all the City colleges and institutes to NY Chapter meeting and Student night where the students have the opportunity to join ASHRAE. ASHRAE and NY chapter has programs, technical and educational literature, competitions, grants, scholarships for students pursuing engineering studies and actively involved in engineering projects, and promoting math and science in general.

Currently three student Branches are part of NY Chapter ASHRAE: City College of New York, Technical Career Institute, and New York City College of Technology.

ASHRAE sponsors one intern a year for the Washington Internship for Students of Engineering (WISE). To learn more about WISE Internship Program visit the website www.ashrae.org/advocacy

ASHRAE Winter Conference is January 24-28 2009 in Chicago at the Palmer House Hotel. Student Program is scheduled for Sunday, January 25, 2009. Do not miss it.

Women in HVACR 5th Annual Conference will be in Atlanta, GA on September 9-10. Women in HVACR are the first international organization for Women in the Heating, Ventilation, Air Conditioning, and Refrigeration industry. To learn more visit the website: www.womeninhvacr.org

To learn how to apply for NY Chapter Student Scholarship, visit the website www.ashraeny.org.



CTCC REPORT

*by Alexander Weiss, P.E.
NY Chapter Student Activities Chair*

Chapter Technology Transfer Committee (CTTC) workshop was held on August 16, 2008 at Region I CRC in Mystic, Connecticut. Lee Loomis is the RVC Chapter Technology Transfer. In the workshop we discussed CTTC responsibilities, Chapter Programs, Distinguished Lecturer Program, PAOE Criteria/Reporting, and CTTC Award Programs.

National ASHRAE is an organization of 50,000 members. The society includes 172 Chapters in 14 Regions.

CTTC is a General Standing Committee of the Society and operates under the Direction of the Board of Directors and Members Council.

Chapter CTTC may include Chair, Technical Committee, Energy, Programs Committee, Refrigeration Committee and Government Activities member.

Presidential Award of Excellence (PAOE) criteria is divided in four groups:

- Planning and administrative activities
- Awards and submission activities
- Meeting, presentations or events

A minimum PAOE point to be achieved by CTTC is 350. PAR is 750 PAOE points.

The chapter President is responsible for reporting the points for the Chapter Operations category. Each Chair Committee is responsible for reporting the points for his/her respective category. The Chapter President and the Chapter Committee Chairs are responsible for ensuring that the data is entered and final report completed by July 15, 2009.

The following is the reporting schedule:

- November-reflects October 31 results
- January-reflects December 31 results
- March-reflects February 28 results
- April-reflects March 31 results
- May-reflects April 30 results
- June- reflects may 31 results
- July 15 final entry of reported points

HISTORY REPORT
Alexander Weiss, P.E.
NY Chapter Historian

The Connecticut Chapter hosted the 2008 Conference of Regional Chapters (CRC), which was held on August 14-16 in Mystic, Connecticut.

Located on the Mystic River, Mystic offers a relaxing walking tour along a beautiful Seaport and historic downtown. The Mystic River drawbridge is operational and is a point of attraction. Yard sales are a special event for bargain shoppers on West Main Street. For people who never sleep, Foxwoods Casino is in the neighborhood. And, of course, I should mention the great Mystic Aquarium where we had dinner, courtesy of Connecticut Chapter. Gracious Beluga white whales of the Mystic aquarium are the nature's wonder.

This was the third CRC for Garry Myers, Director and Regional Chair (DRC). That means that we have only one more year to work under his leadership, which was very constructive and positive for New York Chapter and, I may say, for the Region I, too. The guest speaker was Vincent Tse, Society Vice President. Phil Knowlton was CRC Regional Chairman. With the help of Connecticut Chapter Phil made this CRC a well-organized and friendly event. The meetings, workshops, and all the events have a tight schedule and all the details of the event must be worked out upfront to have this happen in an orderly fashion. Phil Knowlton is also the Regional Historian.

NY Chapter looked good at Awards Luncheon. The work of NY Chapter under the leadership of Brian Ryglewicz, NY Chapter President, was recognized and many of NY Chapter and BOG members received awards. NY Chapter achieved minimum or reached par in 2007-2008 Presidential Award of Excellence points in most categories. We did not achieve minimum points in Chapter Operations and Chapter Technology Transfer. So, now we know where to concentrate our efforts. NY Chapter membership for 2007-2008 accounts for 683 members, not including student members. The most members have the Boston Chapter: 914. The NJ Chapter has 762 members. NY Chapter is in third place after NJ Chapter. Region I includes fifteen Chapters.

The following Chapter members attended the CRC (in alphabetical order): Joseph Azzopardi, NY Chapter Reception, Steven Baumgartner, P.E. LEED AP, NY Chapter Programs, Donald W. Cheng, Student Activities Committee member, Ernest Galo, Treasurer, Monica Perl, Vice President, NY Chapter Public Relations,

Meraj Ramnarine, Secretary, Brian Ryglewicz, NY Chapter President 2007-2008, and Alexander Weiss, P.E., CTTC/TEGA Liaison, Student Activities Chair, Historian.

The NY Chapter will be one hundred years old in 2011. We are looking forward to host 2010 CRC and have a Centennial Celebration Night with Region I Chapters. This will be a Historic and educational event. We should have a Centennial Chapter Celebration in October 2011, too. All ASHRAE members are welcome. We are looking for ideas and suggestions as how to make this celebration a memorable event. If any one can write a song for this event please come forward.

NEW SUSTAINABILITY COMMITTEE IN NEW YORK

by Steven Baumgartner, P.E.
Sustainability Committee Chair

To echo the commitment put forth at the Society Level and deliver on ASHRAE's Sustainability Promise (see ASHRAE Journal – Aug. 2008), the NY Chapter has recently started a Sustainability Committee. A small but diverse group of sustainability design professionals have begun brainstorming goals, crafting a mission statement and understanding the opportunities and constraints associated with ASHRAE in New York as it relates to sustainability.

The primary goals of the Sustainability Committee are to: create sustainable education initiatives within the organization; become a resource for design professionals; encourage and promote environmental research into new technologies; and provide other visible 'green' organizations in NY with support and information. Certainly there will be opportunities for socializing and networking, but the focus of this group will be technical and collaborative in nature. Tapping into ASHRAE's technological resources is critical in raising awareness and engaging those who have typically shied away from local events and gatherings.

This 'brainstorming' group is just the beginning and interest in this Committee has been overwhelming! We'd love to hear your ideas about how the NY Chapter can further embrace sustainability at its core, and how it can provide pathways for shared knowledge and resourcing. Stay tuned and continue to check the NY website for updates.

For more information, please contact Steven Baumgartner at steven.baumgartner@burohappold.com.

ASHRAE GOVERNMENTAL UPDATES

Massachusetts Acts Address Biofuels, Green Jobs, and Greenhouse Gases

Massachusetts Governor Deval Patrick recently signed into law three energy-related bills that will promote advanced biofuels, support the growth of the clean energy technology industry, and cut the emissions of greenhouse gases within the state. The Clean Energy Biofuels Act, signed in late July, exempts cellulosic ethanol from the state's gasoline tax, but only if the ethanol achieves a 60% reduction in greenhouse gas emissions relative to gasoline. The act also requires all diesel motor fuels and all No. 2 fuel oil sold for heating to include at least 2% "substitute fuel" by July 2010, where substitute fuel is defined as a fuel derived from renewable non-food biomass that achieves at least a 50% reduction in greenhouse gas emissions. The requirement for both motor diesel fuel and heating oil increases by a percentage point per year until 2013, after which it holds steady 5%. The act also allows the state to expand the requirement to other forms of fuel oil, and it requires the state to work to establish a low-carbon fuel standard under the Regional Greenhouse Gas Initiative. See the full text of the biofuels act (<http://www.mass.gov/legis/laws/seslaw08/sl080206.htm>).

In early August, Governor Patrick signed two additional bills: the Green Jobs Act and the Global Warming Solutions Act. The Green Jobs Act will support the growth of a clean energy technology industry within the state, backed by \$68 million in funding over 5 years. The Global Warming Solutions Act requires a reduction of greenhouse gas emissions in the state to 10%-25% below 1990 levels by 2020 and to 80% below 1990 levels by 2050. Under the act, the Massachusetts Department of Environmental Protection will carry the burdens of determining the baseline level of emissions in 1990 and creating a plan to meet the future emissions limits, including the establishment of interim limits for 2030 and 2040. See the full text of the acts for green jobs (<http://www.mass.gov/legis/laws/seslaw08/sl080307.htm>) and greenhouse gas reductions (<http://www.mass.gov/legis/laws/seslaw08/sl080298.htm>).

IEA Report Urges Greater Use of Combined Heat & Power

A new report from the International Energy Agency (IEA) makes the case for combined heat and power (CHP) as a proven, reliable, efficient and cost-effective technology. The report argues that CHP is not being fully utilized by all countries, but, promisingly, is enjoying a comeback in some parts of Europe. CHP uses internal combustion energy to generate electricity while capturing excess heat for water and space heating in buildings. According to the report, greater use of CHP globally could improve efficiency dramatically in the heat and electricity sectors, resulting in a 4% reduction in CO₂ emissions from new generation by 2015, a reduction in transmission and distribution investment of around \$795 billion over the next 20 years, and lower electricity costs for end users.

In 2005, the U.S. generated less than 10% of the nation's electricity from CHP. In contrast, Denmark generates 40% of

its power from CHP, and Finland, Russia, Latvia and the Netherlands generate a third to half of their energy with the technology. Germany is aiming to double its CHP energy component to 25% by 2020 with new legislation that will pay CHP owners for every excess kilowatt-hour they generate and sell to the grid. The report also points to some important historical barriers to the adoption of CHP, including lack of integrated urban heating and cooling supply planning, electricity grid access and interconnection regulations, lack of knowledge about CHP benefits and savings, and the lack of an agreed methodology to recognize energy-saving and environmental benefits.

Download *Combined Heat and Power: Evaluating the Benefits of Greater Global Investment*, http://www.iea.org/Textbase/Papers/2008/CHP_report.pdf.

NSF Launches Green Energy Grid Center

The National Science Foundation (NSF) announces an award to North Carolina State University and its partners to establish a new NSF Engineering Research Center (ERC). The ERC will develop interdisciplinary research and education programs that address an important energy issue and provide the foundation for new industries through innovation. NSF will invest approximately \$18.5 million in the Center over the next five years.

Since 1985 the ERC program has fostered broad-based research and education collaborations in close partnership with industry that focus on making technological breakthroughs and developing new products and services. A new generation of five NSF ERCs will place a greater emphasis on innovation and entrepreneurship and on international collaboration and cultural exchange.

The NSF ERC for Future Renewable Electric Energy Delivery and Management (FREEDM) Systems will conduct research to transform the nation's power grid into an efficient network that integrates alternative energy generation and novel storage methods with existing power sources. This new, distributed network would permit any combination and scale of energy sources and storage devices through standard interface modules. The Center's overall goal is to facilitate the use of green energy sources, reduce the environmental impact of carbon emissions, and alleviate the growing energy crisis.

The NSF ERC for FREEDM Systems will be based at North Carolina State University (NCSU), in partnership with Arizona State University, Florida A&M University, Florida State University, and Missouri University of Science and Technology. Rheinisch-Westfälische Technische Hochschule (RWTH) Aachen University in Germany and the Swiss Federal Institute of Technology will contribute additional expertise and international perspectives.

The involvement of more than 65 industry partners, including many small start-up firms, will spur innovation and provide university students with first-hand experience in entrepreneurship. The NSF ERC for FREEDM Systems will

also work with 18 state and local government organizations in North Carolina, Arizona, California, Florida, New York, and Tennessee to stimulate innovation based on its research. For more information see:

http://www.nsf.gov/news/news_summ.jsp?cntn_id=112179&ovDel=USNSF_56.

Canada's ecoENERGY Retrofit Incentives Expanded To Include Larger Buildings

Businesses and public institutions that own, manage or lease buildings with 10,000–20,000 square meters of floor space can now join homeowners and industry in applying for federal funding to invest in energy-saving upgrades. Multiple buildings, such as those on a university campus, can also be included in a single project. For more information see:

<http://oee.nrcan.gc.ca/commercial/financial-assistance/existing/retrofits/index.cfm?attr=0>.

Provincial Action on Climate Change Heats Up

Most provinces are stepping up with strong targets and policies to reduce greenhouse gases in the absence of federal leadership on climate change, according to a new David Suzuki Foundation report released at the Council of the Federation meeting in Québec City. The report, titled *Provincial Power Play: Breaking Away from Federal Inaction on Climate Change*

(http://www.davidsuzuki.org/files/DSF_ProvincialPowerPlay_Web.pdf), looks at provincial and territorial action on climate change, compares their greenhouse gas emissions, assesses their climate change plans and evaluates their records. Some provinces (British Columbia, Manitoba, Ontario and Québec) are leading the pack when it comes to putting real solutions in place. Other provinces and territories (New Brunswick, Nova Scotia, Prince Edward Island and Nunavut) have started taking action but require more effort to move forward. Others (Newfoundland, Yukon, Northwest Territories and Saskatchewan) have weak or vague climate plans. The report cites Alberta as the worst offender with “skyrocketing emissions and no plans to decrease them anytime soon.”

DOE Awards \$6.6 Million for State-Led Clean Energy Projects

The U.S. Department of Energy (DOE) announced that it will award \$6.6 million in competitive grants for 15 state-level projects, nine of which focus on developing policy and regulations to support gigawatt-scale clean energy capacity, and six of which focus on developing advanced building codes. Of these awards, \$4 million will go to the gigawatt-scale clean energy capacity projects, which will develop policy and regulatory frameworks that will enable gigawatt-scale clean energy, either through renewable energy or demand-side reductions. Although no cost share was mandated, state partners will contribute up to \$1.8 million for these projects. The six advanced building codes projects will receive \$2.6 million, which will assist states in developing and implementing residential, commercial, or overarching building codes. Along with its financial assistance, DOE will support these projects with ongoing technical assistance.

Of the nine clean energy capacity projects, three will go to states that are focusing on electrical grid infrastructure: Colorado will examine barriers and incentives to expand its transmission grid for renewable energy projects, while Hawaii and Maryland will examine policies for smart grid technologies that could encourage the use of renewable energy, demand-side management, and energy storage. Two states will focus on financing: Michigan will develop four pilot projects for utility financing of customers' cost-effective clean energy projects, with each loan repaid using a portion of the consumer's energy cost savings, while Wisconsin will draft regulations for low-interest loans for renewable energy projects. Wisconsin will also aim to convert up to 25 old, small coal-fired power plants to burn wood instead. In the Southeast, Georgia will develop a framework for integrating clean energy supplies into the energy infrastructure of Georgia, North Carolina, and South Carolina, while South Carolina will seek to overcome barriers for coastal wind, wave, and tidal energy projects. And in terms of energy efficiency, Arizona will create a streamlined and cost-effective home weatherization program, while Maine will partner with the Northeast Energy Efficiency Partnership to develop regional protocols for evaluating, measuring, verifying, and reporting demand-side resource impacts.

For the advanced building code projects, Florida, Massachusetts, Nebraska, and Washington are improving their existing residential or commercial energy codes in order to produce a 30% energy usage reduction over the existing codes. In addition, North Carolina will update its state energy code by 2010, while California plans to build the California Building Energy Efficiency Standards Learning Management System, an online system that will educate building department professionals about enforcing its current building energy efficiency standards and the next standards update. See the DOE press release (<http://www.energy.gov/news/6515.htm>).

U.S. Wind Power Capacity Exceeds 20,000 Megawatts

The U.S. wind industry has doubled its generating capacity over the past two years, exceeding 20,000 megawatts in installed capacity, according to the American Wind Energy Association (AWEA). The wind industry trade group announced that U.S. installed wind capacity is now at 20,152 megawatts, producing enough electricity to serve 5.3 million average U.S. homes. The industry hit the 10,000-megawatt milestone in August 2006, just over two years ago, which means that the industry grew as much over the past two years as it did in the previous two-and-a-half decades. AWEA expects more than 7,500 megawatts of wind power capacity to be installed in 2008, bringing the total U.S. wind capacity to more than 24,000 megawatts by year end. However, the looming expiration of federal tax credits at the end of the year could cause the industry's growth spurt to sputter in 2009. See the AWEA press release

(http://www.awea.org/newsroom/releases/Wind_Installations_Surpass_20K_MW_03Sept08.html).

PROFESSIONAL DEVELOPMENT HOURS

Available to P.E.'s at our Monthly Dinner Meetings

As I am sure all New York State licensed P.E.'s are aware, NYS Education Law Article 145 states: *"During each triennial (three-year) registration period an applicant for registration shall complete a minimum of thirty-six hours of acceptable continuing education..."*

What is meant above by "continuing education" are Professional Development Hours or PDH's and a NYS licensed Professional Engineer must accumulate thirty-six PDH's during each three-year registration period in order to be able to renew their P.E. license.

A Professional Engineer may be eligible to receive one (1) PDH for attending a monthly ASHRAE New York Chapter Technical Dinner Presentation.

The New York Chapter holds eight (8) dinner meetings a year, which means a P.E. attending all eight (8) meetings may be eligible to receive up to eight (8) PDH's for that year. That combined with a Chapter All Day Seminar awarding up to seven (7) PDH's (equaling a potential total of 15 PDH's for a year), means a P.E. may be able to accumulate **ALL** the PDH's they need in one year from the New York Chapter.

We at the New York Chapter are very excited about this opportunity to be a "one-stop-shop" to provide our P.E.'s with all their Professional Development Hours (PDH's) and hope you will take advantage by attending all our meetings.

To be eligible to receive PDH's at our meetings, all you have to do is sign in on the separate Sign-In Sheet at the dinner meeting registration table and that's it. **Be sure to have your PE License number available when you sign in.** For meetings that have been approved for a PDH, a certificate stating you attended the meeting will be made available at the subsequent dinner meeting. For example, the certificate stating that you attended the September dinner meeting will be available for you at the October dinner meeting and so forth. If you are unable to pick up your certificates at the dinner meetings, they will be mailed to you in June.

Please note, it costs \$50 for an ASHRAE member to attend a NY Chapter dinner meeting and \$60 for an ASHRAE non-member to attend. **No additional cost to ASHRAE members and ASHRAE non-members will be enacted for the PDH service, however, regardless of whether or not you eat dinner, you still have to pay the full attendance fee.**

We at the Chapter invite all P.E.'s to attend our dinner meetings in 2008 to help usher in this new era of Professional Development. If anyone has any questions, please do not hesitate to contact:

Ed Falsetti
Professional Development Committee
 212.334.2025
ed.falsetti@burohappold.com

ASHRAE NEW YORK IS NOW PAPERLESS

EFFECTIVE AUGUST 2005, ASHRAE New York began e-mailing all monthly bulletins. This has helped defray the high cost of production, printing and mailing of the bulletin. Our monthly bulletins are also available on our web site for downloads.

By utilizing e-mail, ASHRAENY is also able to send reminders and other pertinent information to our membership in a relatively short manner.

If you have any concerns regarding our e-mail listing and privacy usage, please contact any member of the ASHRAENY Board of Governors. Contact information can be found at the back of this bulletin. Thank you in advance for your cooperation.

Likewise, if you are moving or change your address for any reason, please make sure to contact ASHRAE Society and update your information. We don't want to lose you!

Thank you for your patience as we shifted to a "paperless" bulletin and e-mail system. Please e-mail your updated e-mail address to bulletins@ashraeny.org to maintain your current address or get on the e-mail list.

RESEARCH PROMOTION

Brian W. Ryglewicz, Research Promotion Chair

The Research Promotion Campaign annually raises funds to support ASHRAE’s research program. It is conducted by the Society’s membership through local chapter volunteers and receives over 7,000 contributions each year from the membership and companies associated with the HVAC&R industry. Of these 7,000 contributors, about 50 are from our chapter.

This annual support totals more than \$1.5 million annually and is matched dollar-for-dollar by ASHRAE from the proceeds of the annual winter AHR Exposition. Since ASHRAE pays all the fund raising expenses, 100% of every donor’s invested dollar goes into the research program.

The New York City Chapter is expected to raise approximately \$25,250.00 towards the overall goal, but I believe our chapter is capable of much greater. After discussion our goal with ASHRAE Life Member Dick Batherman, I believe that the New York City Chapter should set its goal at \$30,000. The Chapter is counting on the continued support of our past contributors who generously supported us last year. We also look forward to gaining the support of new contributors. The Chapter will be recognizing contributors at the Monthly Dinner Meetings, in the Monthly Bulletin and at the Chapter’s website.

You can make your contribution several different ways:

- Attend a Monthly Dinner Meeting and deliver your personal check (made payable to “ASHRAE Resource Promotion”) to me. I will send the donation to ASHRAE for you.
- Attend a Monthly Dinner Meeting, prepare a Contribution Form and contribute via a major credit card.
- Go to https://www.ashrae.org/aboutus/resource_promotion.asp.
- Complete the form on this page and mail to:

NYC ASHRAE Research
c/o Chimney Design Solutions, Inc.
110 W. 40th Street #307
New York, NY 10018

All four methods require your ASHRAE membership number and the NYC Chapter’s number (008). Thank you again for all your support and I look forward to a great year!

Research Promotion Contribution Form

PLEASE COMPLETE THE INFORMATION & RETURN WITH YOUR CONTRIBUTION TO:

NYC Chapter of ASHRAE
c/o Chimney Design Solutions, Inc.
110 W. 40th Street #307
New York, NY 10018
212-685-7077

Please accept my research investment in the amount of \$ _____

Name _____ ASHRAE Member _____

Company _____

Address _____

City/State/Zip Code _____

Please check one of the following: () Individual Contribution () Corporate Contribution

Charge my donation to: () Visa () MasterCard () American Express

Credit card # _____ Expiration Date _____

Signature _____

Donors will be recognized at the Monthly Dinner Meetings, in the Monthly Bulletin and at the Chapter’s website. Honor Roll donors are listed in the ASHRAE Journal (October 2009) and will receive a commemorative coin. Honor Roll level is \$100 for individual donors and \$150 for corporate donors. Contributions of \$250 or more are considered Major Donors. For recognition and other information regarding Major Donors, please contact Brian Ryglewicz at 212-685-7077. All contributions are tax deductible.

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 Ernest Gallo, NY Membership Chair at 718.793.6900.

MEMBERSHIP

The New York Chapter of ASHRAE is encouraging everyone to invite interested applicants to ANY Dinner Meeting to become a member of the Society. If you bring an applicant to any meeting you and the new member will receive a complimentary dinner. To receive the complementary dinner, the candidate must bring a completed application or fill in an application at the door. A **\$165 membership fee** is also required. Please bring cash or a check made payable to ASHRAE.

To all of our members we appreciate your membership and support. If you show up at a Dinner Meeting and your name is not on the list as a member of the New York Chapter we encourage you to check with ASHRAE and make sure you are listed under the New York Chapter. The New York City Chapter code is 008. If you don't specifically tell ASHRAE you will default to your listed address. Thanks again for your support."

For additional information please contact the New York Membership Chair, Ernest Gallo at 718.793.6900, or via email at egallo@accardicompanies.com.

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

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: Neville Burrows, EME Group Consulting Engineers, 159 West 25th Street, New York, NY 10001 – nburrows@emegroup.com.

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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 Neville Burrows at 212.529.5969 or nburrows@emegroup.com.

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



MONTHLY DINNER LOCATION

Annie Moore's
50 East 43rd Street
New York, NY
(Between Madison & Vanderbilt)
212.986.7826

PARKING INFORMATION

If you are driving to the meeting, we suggest you park at the Edison Park Fast at the Hippodrome Garage. It costs \$14 if you enter after 5:30pm. If you enter before 5:30pm and after 4:00pm, the cost is \$23.

Hippodrome Garage (Edison Park Fast) 44th Street @ 6th Avenue

(Rates include tax. Not to be combined with the Parking License Card. Oversized vehicles slightly higher)

2008/09 TENTATIVE DINNER MEETING SCHEDULE

Note: The schedule below is tentative and subject to change.

Date	Topic/Speaker
September 23, 2008 Student Night	High Performance Buildings <i>Ronald Padilla, Control Technologies</i>
October 28, 2008 Membership Night	3 Views of Earth Coupling <i>Speaker TBD</i>
November 25, 2008 History Night	Biomass Biomass <i>Speaker TBD</i>
January 28, 2009 Refrigeration Night	Solar Thermal vs. PV <i>Speaker TBD</i>
February 24, 2009 Young Engineer's Night	Microturbines <i>Speaker TBD</i>
March 24, 2009 Research Promotion Night	ASHRAE Standard 189 <i>Dr. Tom Lawrence</i>
April 24, 2009 ASHRAE and NSPE Joint Meeting Night	Absorption Chillers <i>Speaker TBD</i>
May 26, 2009 Past President's Night	Thermal Storage <i>Speaker TBD</i>

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