

The Central New Yorker

ASHRAE Newsletter

The CNY Chapter of the American Society of
Heating, Refrigerating and Air Conditioning Engineers

Chapter Officers

President – Chris Martin

Ph: 299-3111

Email: chris.martin@carrier.utc.com

President Elect – Jim Walker

Ph: 463-4526

Email: jwalker@rfpeck.com

Vice President – Rae Butler

Ph: 492-2445

Email: rbutler3@twcny.rr.com

Secretary –

Ph:

Email:

Treasurer – Steven Sill

Ph: 754-8001 x: 3950

Email: csill@buweiser.com

Historian – Paul Britton

Ph: 446-4587

Email: pbritton51@verizon.net

Public Relations and

Past President – Mark Rabbia

Ph: 432-6029

Email: mark.r.rabbia@carrier.utc.com

Resource Promotion – Paul Conte

Ph: 437-0225

Email: paulc@guckianenergy.com

Membership Promotion – John Mix

Ph: 432-6889

Email: john.mix@carrier.utc.com

Webmaster – Tom Buswell

Ph: 432-6510

Email: tom.buswell@carrier.utc.com

Student Activities – Mike Kingsley

Ph: 437-1869

Email: kingsleym@saic.com

TEGA – Bill Walter

Ph: 432-6267

Email: william.f.walter@carrier.utc.com

Hospitality –

Ph:

Email:

THE PRESIDENT'S Message

HAPPY NEW YEAR!

I hope that everyone enjoyed the holidays with friends and family. And now that we are into 2009, here is hoping that everyone's New Years resolution is to attend our Chapter's monthly meeting. This month's meeting is Wednesday the 14th. My New Years resolution was to get the newsletter out on time, and I've already missed the deadline. So - sorry for the late notice for this month's meeting, but, this month's meeting promises to be a good one.

Last year saw skyrocketing energy prices, and many scrambled to meet operating costs. And although energy prices have relaxed a little, improving energy efficiency is still on the forefront of many minds. Our speaker this month is Oriana Cortes, from Lockheed Martin, and she will discuss the state incentives for energy efficiency improvements. This promises to be a rewarding presentation.

Our annual Chapter ASHRAE Christmas party was another great success. Although the turn out was small, those of us who were there enjoyed a wonderful dinner from Saratoga Steaks. The conversation was interesting, and we all had many laughs. I want to thank the people that ventured out to Dewitt for dinner. And a big thank you goes to Paul Britton, who as usual, did a great job putting the party together.

As I said, we would like to see better attendance at our Chapter ASHRAE meetings in 2009. Chapter members have worked hard to arrange the speakers and field trip for the next several meetings, and we hope that each meeting provides our members with something useful that you can take away with them. If you have a specific topic or speaker that you would like to see, please contact Rae Butler. And if you have an idea to achieve our goal of better attendance, please stop me at the next meeting so that we can talk.

Chris Martin
CNY Chapter President

<http://www.centralnewyork.ashraechapters.org>

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Historically Speaking

The term "Air Conditioning" coined in 1906 by Stuart Cramer

Textile mill engineer Stuart Cramer of Charlotte, North Carolina, who discovered some of the basic relationships of humidity and temperature in air, was the first to use the term "air conditioning." Cramer filed for a U.S. patent in April 1906 (Patent 852,823) titled "Humidifying and Air Conditioning Apparatus." Cramer's invention was a device to automatically regulate the temperature and humidity in factories. Cramer also used the term in his May 1906 address before the American Cotton Manufacturers Association in Ashville, N. Carolina. Excerpts from this address are included in his book *Useful Information for Cotton Manufacturers*, in which he says "I have used the term 'Air Conditioning' to include humidifying and air cleansing, and heating and ventilating".

"Air Conditioning" has been with us for 103 years - looks like it's here to stay.

— **Paul Britton, Chapter Historian**

Congratulations to the 5 new members who joined the Central New York ASHRAE chapter between October 2008 and December 2008. When you see these individuals, please join me in extending them a warm ASHRAE welcome.

If you or anyone that you know is interested in joining ASHRAE, please have them sign-up at www.ashrae.org. Or, if they would like to sign-up in person, the local chapter website (<http://centralnewyork.ashraechapters.org>) is a great place to find meeting times and locations.

John Mix
ASHRAE New Membership Chair

NEW MEMBERS

Name	Membership Start Date	Type
Mr Jim Hartnett	11/20/2008	Associate
Mr John M Mackenzie	10/2/2008	Associate
Mr Richard Rutishauser	10/15/2008	Associate
Mr Corey S Keefer	12/22/2008	Associate

NEW STUDENTS

Name	Membership Start Date	Type
Mr Zhiqiang Wang	12/1/2008	Student



The CNY Chapter is now accepting business card advertising in this monthly newsletter. Send us your business card (or text for a line card) and we'll scan it in and for \$50 your card will run in the newsletter for the year. Send your ad and payment to:

ASHRAE Newsletter, Advertising, P.O. Box 2396, Syracuse, NY 13220
If you have a digital card (or questions), email it to us at westbror@upstate.edu.

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2009 CNY ASHRAE Programs

In the new year the programs will focus on energy efficiency, the latest developments in products and opportunities for improved operating efficiency.

January	NYSERDA Focus on Industry Program and other energy grants for industry by Orian Cotres — Lockheed Martin Information Systems and Global Service
February	Premium Efficiency Compressors – A presentation on some of the latest design developments for centrifugal compressors and their use, retrofit potential and savings. Ray Hickey from Advanced Comfort Systems will be the presenter. This course is eligible for 1 PDH.
March	History Night
April April 22	April will be Field Trip month with a tour of a dairy processing plant Satellite Broadcast Indoor Air Quality – Location to be determined
May	Enthalpy Heat Recovery – A program about air heat exchangers, the newest technologies and potential savings. This is a good follow up to the Satellite Broadcast. Jim Connell for AirXchange will be this month's presenter.
June	Clambake

January Program

The January Program is by Lockheed Martin Information Systems & Global Services ESS - Energy Services Oriana Cortes. They will discuss the available incentives for energy efficiency improvements. All incentives are discussed including tax incentives. This program is directed to engineers so they can take this information to their industrial customers or end users and Facility Managers.

The cost of energy today has become an uppermost priority for many industrial organizations. That's why the New York State Energy & Research Development Authority (NYSERDA) developed the Focus on Industry program. Contracting market specialists, NYSERDA chose Lockheed Martin to work with industrial businesses and their energy efficiency needs.

The goal of Lockheed Martin's Focus on Industry team is to help industry leaders identify areas in their manufacturing sector where energy can be consumed more efficiently, reducing waste and increasing productivity as well as utilizing financial incentives sponsored by state/government/utility agencies. Lockheed Martin's strategy is to assist in creating greater awareness of industrial energy efficiency resources or best demonstrated practices intended to gain greater productivity and lessen costs. The team can help in locating appropriate financial incentives and energy programs, offer technical assistance, reaching out to utility managers and energy efficiency process specialists in an effort to identify the best suited solutions, identifying eligible and well-matched projects and incentives, and updating your entire industrial team on energy management plan training efforts. This group acts as an information clearinghouse and are available to assist in any and all steps towards energy efficiency and financial/productivity gains.

If anyone has specific topics or speakers they would like to see included in the CNY ASHRAE Programs, please email me at RButler3@twcny.rr.com.

— Rae H. Butler

ASHRAE Government Affairs Update

The following information was originally printed in the ASHRAE Government Affairs Updates.
For more information go to: <http://www.ashrae.org/advocacy/page/1344>.

EPA Takes Measures to Accelerate ODS Phase Out

- EPA is taking the next step to eliminate hydrochlorofluorocarbon (HCFC) emissions, which are ozone-depleting substances and greenhouse gases.
- The proposed rule would decrease the consumption and production of HCFCs for the years 2010 to 2014. Consumption and production will be reduced by at least 75 percent in 2010. As a party to the Montreal Protocol on Substances that Deplete the Ozone Layer, the U.S. will completely phase out HCFCs in 2030.
- This action will also amend provisions concerning HCFC production for developing countries' basic domestic needs and would clarify a ban on the sale and distribution of HCFCs through interstate commerce under the Clean Air Act. EPA will accept comments on the proposed rule for 60 days after publication in the Federal Register.
- In 1993, EPA started eliminating the most harmful HCFCs to implement the Montreal Protocol's gradual phase out of overall HCFC levels.
- One hundred ninety-three countries are parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Signed in 1987, this successful treaty is helping to heal the ozone layer by ending the production of ozone-depleting substances.

More on EPA's involvement in the Montreal Protocol: <http://www.epa.gov/ozone/strathome.html>

ASHRAE Issues Recommendations to New U.S. President, Congress

ASHRAE has developed a document containing recommendations for the incoming U.S. president and Congress. The document, Achieving National Goals for Buildings: Challenges and Opportunities Facing a New President and Congress, was sent to President-Elect Obama. It contains advice on reducing energy use in buildings. Recommendations include convening a White House summit on energy efficiency, appointing a national energy efficiency advisor, and providing incentives to promote use of building commissioning, recommissioning and retrocommissioning.

To read Achieving National Goals for Buildings see:
http://www.ashrae.org/docLib/20081202_transition.pdf.