

The Central New Yorker

ASHRAE Newsletter

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

The President's Message

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We would like to thank last month's speaker, ASHRAE's Director of Development, Bert W. Huffman, for discussing ASHRAE's Foundation. This is a relatively new arm to ASHRAE and based on the discussion it is a well run foundation, averaging better returns over the past few years than the major indexes while still providing individual control of the gifts and dividends earned.

This year ASHRAE has its first women president, Lynn Bellinger. Lynn is from Rochester, so she is coming out of our region and has been a long time active member. Lynn will be coming to our March meeting. While we are on the subject, I am not the CNY Chapter's first women president, that honor goes to the 1992/93 President Roberta French. While still in the minority, the membership and participation of women in ASHRAE is increasing. It was apparent at the regional conference where there was significant women participation. It is my contention that engineering and ASHRAE is open to anyone willing to learn and participate, regardless of any other factors. All are welcome to our organization who are interested in furthering the HVAC industry and its importance in the energy use and comfort of building occupants.

This month's program by Gordon Holness discussing High Performance Buildings including among other things the Advanced Energy Design Guides, Standards 90.1 Standard 189.1 and Standard 100, see inside the newsletter for complete description. Part of the discussion of net zero and sustainable buildings must be the complexity and maintainability of systems of the long term.

Some maintain that hybrid cars have a larger carbon footprint than an efficient fuel car due to the manufacturing, replacement, recycling and toxicity of the batteries and components (I am sure there are studies that say differently too). Does anyone know the carbon footprint of the production of a compact fluorescent lamp and ballast made in China as compared to an incandescent lamp made in America? I do not know the answer to this questions nor am I suggesting we return to incandescent but the idea of it is to find the balance between complexity and efficiency while considering the beginning to end of the life cycle.

Look forward to seeing you at this month's program.

Rae Butler, CNY Chapter President

ASHRAE Monthly Meetings: Meeting Date is Nov. 10

Location: Doubletree Hotel Syracuse
6302 State Route 298, Carrier Parkway East, Syracuse, NY 12205

Times: 5:30 – 6:00 p.m. Social Hour (cash bar)
6:00 – 6:30 p.m. Dinner
6:30 – 6:45 p.m. ASHRAE Business
6:45 – 8:00 p.m. Main Program

Cost: \$25.00 per person.

Reservations: www.cnyashrae.org

We have a new website address: <http://www.cnyashrae.org>,
this can be used to make reservations and chapter information.

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2010/2011 CNY ASHRAE Programs

November 10, 2010

Donor Recognition Night / Student Night

Topic: High Performance Buildings - What Are They & What Does It Take To Achieve Them

Speaker: Gordon Holness, ASHRAE Distinguished Lecturer

At our November meeting Gordon Holness will discuss the multiple aspects of High Performance Buildings and the need to go beyond energy and sustainability and even beyond basic codes and standards. He will review current and pending legislation, and the programs being developed by ASHRAE as we move towards net zero energy buildings, including the Advanced Energy Design Guides, Standards 90.1 Standard 189.1 and Standard 100.

The full schedule for the year can be found below. All meetings will be at the Doubletree Hotel, on the second Wednesday of the month, unless otherwise indicated.

— Bill Walter

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December 8, 2010

Holiday Party at Grimaldi's, 6430 Yorktown Cir, East Syracuse

January 12, 2011

Membership Promotion Night

Event: Tour of King & King Architects LLP, 358 W Jefferson St., Syracuse, NY

Dinner at the Dinosaur Bar-B-Que, Willow Room

February 9, 2011

Student Chapter Night

Topic: Energy Audits in Commercial Buildings

Speaker: Ian Shapiro, Taitem Engineering

March 10, 2011 (Thursday)

History Night / Announce slate of officers

Topic: ASHRAE Historical Committee, Speaker: Jerry Groff

Topic: Modeling a Sustainable World, Speaker: Lynn Bellenger, ASHRAE President

April 13, 2011

Research Promotion Night / Election of Officers

Topic: Variable Refrigerant Flow Systems, Speaker: Julian de Bullet, ASHRAE Distinguished Lecturer

May 11, 2011

Install Officers

Event: Tour of Fulton Boilers, Dinner at the River House

June, 2011

66th Annual Clambake at Hinerwadel's Grove

In Memorium

Central New York Chapter member Darwin Traver, 87, of Dewitt, passed away on October 14, 2010. He was born in Brighton, PA, received an engineering degree from MIT and served in the U.S. Navy in WW II. His mechanical engineering career began in Jeannette, PA at the Elliot Company, a manufacturer of industrial gas compressors. In 1951 he moved to Syracuse where he worked for Carrier Corp. for over 30 years. Upon retiring he was the principal consultant for Traver Associates.

At Carrier, "Dar" was involved in the engineering design of several product lines, including centrifugal and positive displacement compressors of all sizes and large central station systems. He was also well-respected for his knowledge of sound and vibration control as applied to various Carrier products, which led to many trouble-shooting assignments world-wide. One of the more notable projects on which he was the principal design engineer was for the air conditioning system for the DC-8 passenger airplane that Carrier had a contract for in the early 1960's. It had a very small high-speed centrifugal aluminum compressor rated at 14 tons that ran at about 95,000 rpm using R-12 refrigerant. It was and is the only successful vapor cycle aircraft air conditioning system. Current aircraft systems use an air cycle.

He joined ASHRAE in 1961 and was a Life Member. In recent years he attended most chapter meetings and always seemed to have many technical questions for the program speaker.

We extend our sympathy to Frances, his wife of 34 years, and to their family.

Paul Britton, *Historian*

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.

Advertise Here

CNY Engineering Expo 2010

Date: Monday, November 15th, 2010
Program: An opportunity to earn PDH credits and gain some knowledge
Location: Holiday Inn, 441 Electronics Parkway, Liverpool, NY 13088 457-1122

The sixth annual CNY Engineering Expo will be held at the Holiday Inn, Liverpool, on Monday, November 15th, from 8:15 AM to 5:00 PM. This event, co-sponsored by ASCE, ASME, IEEE, SFPE, and NSPE, is geared toward New York Professional Engineers (PE) and Registered Architects (RA) but is open to any who want to broaden or “freshen up” their engineering knowledge.

If you're a professional engineer licensed in New York State mark your calendar for this event. Attendance at the Expo offers an inexpensive and convenient method of earning up to seven PDHs (Professional Development Hours) required to satisfy the continuing education requirements for professional engineer registration. The event will be held in the same location as the last four years, namely the Holiday Inn and Conference Center at Electronics Parkway and Seventh North Street in Liverpool, NY.

The schedule of seminars can be seen at: <http://www.cscos.com/engineeringexpo>

Agenda

Registration starts at 7:00 AM The morning seminars start at 8:15 AM with 15 minute breaks in between
Lunch starts at 11:45 AM The afternoon seminars start at 1:30 PM with 15 minute breaks in between

Cost: \$90 is received on or before November 8th, \$110 thereafter.

Directions

Holiday Inn, 441 Electronics Parkway, Liverpool, NY 13088

- * From the NYS Thruway take Exit 37—the hotel is at the end of the ramp and to the left.
- * From Interstate 81 take Exit 25 (7th North Street) and turn right onto 7th North Street to head about 1.25 miles northeast. The hotel will be straight ahead when you reach Electronics Parkway.

For program questions contact:
Michael R. Hayes, PE, C&S Engineers, Phone 315-703-4384
email: mhayes@cscos.com

For questions regarding payment & registration contact:
Vicki Scott, C&S Companies, 703-4150
email: vscott@cscos.com

NEW MEMBER REMINDERS

NOVEMBER IS MEMBERSHIP PROMOTION MONTH

The November meeting is the official “Membership Promotion Meeting”. If you know someone who is interested in joining ASHRAE, interested in finding out how ASHRAE can benefit them or is new to the HVAC industry, please encourage them to attend.

WHY BE AN ASHRAE MEMBER?

It’s really quite simple. For approximately \$200/year, you can continue to benefit from all the resources ASHRAE provides as the world’s leading organization of HVAC&R professionals.

Chapter Meetings – each month, all over the world, ASHRAE chapters convene for an informational program featuring a speaker or topic that is key to professionals in the industry. Meet with your peers, share ideas and learn about other aspects of the HVAC industry.

ASHRAE members stay abreast of the latest industry news and information by receiving the following as part of their membership :

- ❑ *ASHRAE Handbook* – this reference manual is the most widely cited reference for HVAC&R technology in the world. Each year one of the four volume Handbooks is updated and delivered to members to add to their library and knowledge base.
- ❑ *ASHRAE Journal* – a monthly magazine that brings current trends and information to your desk in your choice of print or digital format.
- ❑ *ASHRAE E-newsletters* – delivered to your desk in print and digital form, these publications help you keep on top of what is going on in the Society and the industry, all over the world! Discounts on ASHRAE publications – ASHRAE members earn 15% off publications through www.ashrae.org/bookstore. More than 300 titles are available including the ASHRAE Standards and more than 300 of the industry’s leading technical publications
- ❑ *ASHRAE Certification* – earn your certification and put the letters behind your name that show that you have the knowledge you need to succeed in the industry.
- ❑ *ASHRAE Learning Institute Courses* – earn your PDHs online or at the ASHRAE Winter and Annual Conferences. Courses are offered all year long, giving you many opportunities to learn and grow.

MEMBERSHIP APPLICATIONS/FORMS

The easiest and quickest way to join ASHRAE and to renew/pay dues is to go online. If needed, you can also download PDF versions of the application forms and mail them or fax them. Members, Associates and Affiliates all share the same application form; students have a separate application form. Use the link below to connect directly to instructions for how to access the online application:

http://www.ashrae.org/docLib/20091015_joinashraeonline.pdf

Existing members can logon to ASHRAE.ORG or the TRAININGBLOG for grad advancements, bio updates. Members should send an email MEMBERSHIP@ASHRAE.ORG when indicating interest in advancement.

Donor Recognition

November's meeting agenda will include Donor Recognition. Each honoree for the 2009 – 2010 year will be recognized for their individual or companies support of ASHRAE and awarded the appropriate item.

Please join us in recognizing the following honorees:

Modular Comfort

Fulton Boiler Works, Inc.

Carrier Corp. – UTC

Dr. Lois Graham

Mr. Bruno P Morabito

Mr. James N. Walker

Mr. Michael E. Cahill

Mr. Ronald L. Westbrook, PE

Mr. Stephen G. Miller

Mr. Steven C. Sill

Dr. Michael L. Kingsley

Mr. Brett A. Fero, PE

Mr. Matthew G. Ryan

Mr. William F. Walter

Mr. William H. Towne

Mr. Donald G. Rich

SystemsBronze Coin

Bronze Coin w- Plaque

Platinum Circle

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If possible, please attend the meeting so we may recognize your contribution to ASHRAE Research. If you are a past donor, we thank you and kindly ask you consider a repeat donation.

— Mark Yonnick, *RP Chair*
mark.yonnick@fulton.com