Welcome to the CNY Chapter of ASHRAE. Our Chapter, which dates back to 1941, has a rich tradition of involvement at both the local and national levels. Ten Chapter members have served as Society President, including Willis Carrier and current members Don Rich and Bruno Morabito. Our April meeting is the annual History event, sponsored by Carrier, and featuring Past President and Current Regional I Vice Chair Bill Walter presentation on Refrigerants. We are also honoring Edgar Galson, Chapter Past President and the former head of Galson Engineers, for his lifetime of service to the HVAC industry. This will be a joint meeting with the Western New York Chapter of the Association of Energy Engineers.

The Chapter continues to encourage members to get involved in committees and the Board of Governors. Please contact President-Elect Richard Kimball at rkimball@usgbc.org for more information.

I hope to see you all at the meeting!
Charlie Bertuch, ASHRAE CNY Chapter President

ASHRAE CNY Chapter Monthly Meeting:

Date: April 8, 2015
Time: 12:00 PM General Membership Mtg.
Location: DoubleTree Hotel
Program: Refrigerants — Now and In the Future (William Walter - UTC).
Eligible for 1 NYS PDH
History Lunch honoring Edgar Galson.
Cost: FREE. Meeting generously sponsored by Carrier.

Reservations: RSVP via our website ashraecnyc.org. Contact Mark Yonnick - mark.yonnick@fwwebb.com - 315-414-1211 for assistance with reservations.

Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission of the Chapter.
April 2015

ASHRAE CNY Chapter Program Schedule 2015:

May

Date: May 13, 2015
Time: 5:30 General Membership Mtg.
Location: WCNY Broadcast and Education Center
(415 W. Fayette St. Syracuse, NY 13204)
Program: Chad Rogers (King+King), Debbie Stack (WCNY).
Eligible for 1 NYS PDH

June

Date: June 11, 2015
Time: 4:00 - 8:00 PM
Annual ASHRAE Clam Bake at Hinerwadels

Date: June 11, 2015
Time: 9:00 AM – 2:00 PM
Annual ASHRAE Research Promotion Golf Tournament

2015 CRC hosted by the CNY Chapter

The CNY Chapter will host the 2015 Chapter Regional Conference (CRC) August 20 – 22 at the Crowne Plaza Hotel in Syracuse. We will be welcoming over 100 guests from the 15 chapters that make up Region I. In addition to the business meetings, we will have a welcome dinner at the Dinosaur Bar-B-Que on Thursday, August 20 and the traditional Presidential Dinner on Friday, August 21 will be a clambake at Hinerwadels’. We are also planning a technical session on Thursday afternoon from 1:00 to 3:15 focused on the economic impact of the HVAC and Energy industry to the CNY region.

CNY members are encouraged to attend the social functions and the technical session to welcome our guests from the region to Central New York.

Please find attached CRC promotional flyer and Thursday night welcome dinner flyer.

Bill Walter, 2015 ASHRAE CRC Arrangements Committee Chair
ASHRAE CNY Chapter Steamboat Challenge

ASHRAE CNY chapter is excited to launch our Steamboat Challenge competition. This Challenge is a DIY steam boat (pop pop boat) race to motivate students to apply Engineering Principles in a fun competition. It mainly focus on middle school students, but students of all ages are encouraged to pursue Science, Technology, Engineering and Mathematic (STEM) higher education or careers.

We are looking for engineers and scientists from our community to speak in the event on STEM careers, and volunteers from ASHRAE CNY chapter and other professional societies to help and mentor.

Please find attached ASHRAE CNY Chapter Steamboat Challenge Flyer. Visit http://www.ashraecny.org/Steam-Boat-Challenge for Official Challenge Rules, "how to" kit pickup time, group training information, and to register for the Steamboat Challenge.

Steamboat Challenge promotion at the 69th Annual CNY ASHRAE Clam Bake at Hinerwadels in June 2014

Steamboat Challenge promotion at CNY STEM HUB Career Exploration at East Syracuse-Minoa central high school in January 2015

Steamboat Challenge mock competition at O’Brien & Gere Syracuse office in January 2015

Chonghui Liu, ASHRAE CNY Chapter Steamboat Challenge Committee Chair
Research Promotion Update: April 2015

Thanks to the generosity of our members, as a chapter we were able to successfully meet our Research Promotion goals for the 2013-2014 ASHRAE campaign. I would like to personally thank all of you for your previous contributions. On that note, please consider continuing your generosity by donating to the 2014-2015 campaign! Your donations are extremely important, and are utilized for ASHRAE’s Handbook series, technical programs, standards, and special publications. No donation is too small, and we thank you in advance for your contributions!

In addition to making direct donations, please consider attending the ASHRAE Golf Tournament and the ASHRAE Clambake, which will both be held on June 11th. What better way to help our local chapter than by taking the day off and joining us for the fun at both events?

ASHRAE Research would like to invite members (individuals AND companies) to support the 2014-2015 Research Promotion Investment Campaign. The online donation form can be found on the ASHRAE website at: https://ashrae.org/standards-research--technology/research-promotion

And click the “Online Contribution Form” link near the top of the webpage.

Please consider directing your contribution towards the Edward Galson Endowed Research Fund, by entering Edward Galson in “Existing Fund Name” space on the contribution form.

Consider one of our higher levels of support as a way to show your commitment to ASHRAE Research – and get your contribution acknowledged here in our monthly newsletter!

Platinum Circle: $20,000+
Golden Circle: $10,000 - $19,999
ASHRAE Partner: $5,000 - $9,999
ASHRAE Associate: $2,500 - $4,999
Major Donors: $250 - $2,499
Honor Roll Donors: $100 - $249 ($150 minimum for companies)

Thank you to the following individuals who have donated so far to the 2014-2015 campaign:

Member Donors:
Charles J. Bertuch, III
Michael J. Bykowski
Dr. Sankar K Mohan
Saunders E. Wilson, Jr
William F. Walter
Richard Kimball
James A. Hart
Chonghui Liu
Chris Devins
Stephen Miller
Gerald Groff
Bruno Morabito

Chris Devins, Research Promotion Chair
After the long summer break, we are in full operation with the new chapter officers and board of governors planning for great programs and another successful year. We finished last year with the very successful clambake. In August some of our officers attended the CRC Regional Meeting to sharpen their skills, get new ideas and become better leaders.

Our first meeting in October presented a program on Design of Geothermal Loops by John Manning from Earth Sensitive Solutions.


The January meeting was an interesting meeting where we got a direction on where the ASHRAE organization is focusing for the future. The presentation was presented by Thomas H. Phoenix on People, Passion and Performance.

The February meeting educated us on the Carrier Dome Rainwater Harvesting Project presented by Bruce Wanlass from C&S Companies.

Please check the other parts of the newsletter for the great program being planned for our future meetings.

Photos at 2014 Region 1 CRC in Tarrytown, NY:
Photos at CNY Chapter meetings:
If you have any important news related to our chapter or any of its members, please forward the information to me via email to Assis M. Flores at email address: aflores@twcny.rr.com. If you need to talk to me, please call me on my cell phone: (315)480-3376.

I look forward to seeing you at our regular monthly meetings.

Assis M. Flores, Chapter Historian
March 2015
ASHRAE, IAQA to Join Forces to Grow Resources for Indoor Air Quality Professionals

ASHRAE and the Indoor Air Quality Association (IAQA) have agreed in principle to join forces, combining resources to improve indoor air quality in the built environment. Pending a three to six month period of due diligence, IAQA will become a part of the ASHRAE organization while maintaining its own brand and Board of Directors. IAQA will operate independently within ASHRAE’s organizational structure. Plans call for IAQA headquarters to relocate from Rockville, Md., to Atlanta, Ga., home of ASHRAE’s international headquarters. The agreement was reached between the leadership of both associations and confirmed at ASHRAE’s 2014 Annual Conference that concluded in July 2014 in Seattle, Washington.

GSA Green Building Advisory Committee Focuses on Federal Building Performance Labels

The U.S. General Services Administration's (GSA) Green Building Advisory Committee's Building Labels Task Group has been meeting to discuss proposals to require building performance labels for federal buildings, including current energy and environmental performance. ASHRAE Government Affairs Office and Headquarters staff have attended these meetings and provided the Task Group with information on a number of resources, including ASHRAE’s:

- Building Energy Quotient Labeling Program
- Procedures for Commercial Building Energy Audits, 2nd Edition
- Performance Measurement Protocols for Commercial Buildings
- Indoor Air Quality Guide; Best Practices for Design, Construction, and Commissioning

NCEES Removes "Masters or Equivalent" from Model State Law

The National Council for Examiners of Engineering and Surveying held their 2014 annual meeting in Seattle, Washington on August 20-23. At this meeting, delegates voted to modify the approach to requiring additional education for initial engineering licensure by removing specific language in the NCEES Model Law and Model Rules, originally intended to be effective in 2020. As part of the vote, annual meeting delegates decided to instead develop an official NCEES position statement that supports additional engineering education beyond a bachelor’s degree. Among other actions taken at the annual meeting, NCEES member boards voted to remove its Model Law prerequisite that four years of progressive engineering experience be earned before a licensure candidate can take the final licensing exam, the Principles and Practice of Engineering exam.

More information about ASHRAE government affairs can be found at https://www.ashrae.org/government-affairs

Chonghui Liu, Chapter Technology Transfer Chair
Join the Central New York Chapter of ASHRAE for the 1st Annual Steamboat Challenge and Science, Technology, Engineering and Mathematics (STEM) Day!

The challenge and its surrounding STEM Day program will be open to all middle school and high school students in the CNY region. Teachers, families and friends of Steamboat Challengers are encouraged and welcomed to attend and cheer on participants in this fun and educational community program.

The main event will consist of a DIY Steamboat Challenge competition. Before and after the race, there will be STEM-focused activities.

Students, teachers and families can look forward to:
- High School and College Assistance Program Counselors (OnPoint for College, Hillside, Say Yes etc.) on hand to provide information on educational support services
- Engineers and scientists from our community speaking on STEM careers
- Access to The MOST and its hands on exhibits
- Cash prizes and awards for Steamboat Challengers
- Complementary lunch

**WHO**
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**WHERE**
The MOST – 500 South Franklin St. Downtown Syracuse

**WHEN**
June 13, 2015 | 10:00a – 1:00p Register by: May 24, 2015

**WHY**
Motivate and encourage youth to pursue STEM education and careers by demonstrating innovative and exciting applications of STEM principles.

A portion of the costs will be reimbursed to each student or team of students for material purchases under the condition of successfully demonstrating at least one steam boat when entering the competition. An informational “how to” kit will be provided to all participants. Interested teachers are eligible for group training to help integrate the program criteria into their existing curriculum.

Visit www.ashraecny.org for Official Challenge Rules, “how to” kit pickup time, group training information, and to register for the Steamboat Challenge. Please contact Chonghui Liu, ASHRAE CNY Chapter Steamboat Challenge Committee Chair or Leila Karkia of O’Brien & Gere, with questions.
SAVE THE DATE:  
August 20-22, 2015  

WELCOMES 2015 ASHRAE Region I CRC

POPULAR ATTRACTIONS IN SYRACUSE, NY.

Tweet us @VisitSyracuse  
Friend us facebook.com/SyracuseNY

ARMORY SQUARE & THE MOST / MILTON J. RUBENSTEIN MUSEUM OF SCIENCE AND TECHNOLOGY  
MOST, 500 S. Franklin St., Syracuse.  
(315) 425-9068; www.most.org

CHIC: A trendy spot for shopping, dining and nightlife, downtown’s Armory Square is the place to be. It’s easily walkable and a leisurely browse is half the fun. The 60-foot IMAX screen at the MOST is at the heart of it all, in the former Armory building, which gave the Square its name.

THE CARRIER DOME AT SYRACUSE UNIVERSITY  
900 Irving St., Syracuse. Box office:  
(315) 443-2121; 1-888-366-3849 (toll free);  
www.suathletics.com

THE DOME: If you’re a sports fan, you’ve seen the Carrier Dome on TV and watched it transform into “The Loudhouse.” The fabulous 50,000- seat facility is home for the Syracuse University Orange NCAA Division I football, basketball and lacrosse teams. It is the largest domed stadium in the Northeast, and the largest on-campus basketball arena. Get an up-close look at The Dome any time the Box Office is open (8:30 a.m. to 4:30 p.m. Monday-Friday), unless an event is scheduled.

DESTINY USA  
9090 Destiny USA Drive, Syracuse (Exit 23 on I-81); 10 a.m. to 9:30 p.m. Monday-Saturday; 11 a.m. to 6 p.m. Sunday; (315) 466-7000; www.destinyusa.com

THE SHOPPING: Immerse yourself in more than 200 retail, dining and entertainment venues at Destiny USA. Luxury outlets, fine dining and exciting entertainment are joining the already successful retail mix at the former Carousel Center. Check out Destiny USA’s new expansion with brands like Michael Kors, Saks Fifth Avenue, OFF 5th, The Melting Pot, Cantina Laredo and so much more. A full food court, vintage carousel and electric go-karts add to the fun. Visitors enjoy our exclusive Savings Program with their AAA/CAA cards. Show your card at one of our two convenient Guest Services locations to receive hundreds of dollars of deals!

THE ERIE CANAL MUSEUM & SYRACUSE HERITAGE AREA  
VISITOR CENTER  
318 Erie Blvd. E., Syracuse. 10 a.m. to 5 p.m. Monday-Saturday; 10 a.m. to 3 p.m. Sunday; gift shop; free admission. (315) 471-0593; www.eriecanalmuseum.org

AMERICANA: Immerse yourself in the story of the Erie Canal’s pivotal role in American history. An engineering marvel literally built by hand, the canal was cut through 363 miles of inland wilderness from Albany to Buffalo, connecting New York City via the Hudson River to the Great Lakes and beyond. This cool museum is housed in an original 1850 Weighlock Building. Discover treasured artifacts, maps, interpretive and interactive displays, plus a full-size replica canal boat with crew quarters, cargo and passenger areas awaiting exploration.

THE EVERSON MUSEUM OF ART  
401 Harrison St., Syracuse. Noon to 5 p.m. Tuesday-Sunday; 10 a.m. to 5 p.m. Saturday; Donation; (315) 474-6064; www.everson.org

ART AND ARCHITECTURE: The Everson was designed by I.M. Pei, who has since designed the Rock and Roll Hall of Fame and Museum in Cleveland, the National Gallery of Art in Washington, D.C., and the new addition to the Louvre in Paris. Housing the most significant collection of American ceramics in the U.S., the museum’s permanent collection includes work by Jackson Pollock, among others. The Everson also features rotating exhibits, a children’s interactive gallery and the Museum Gift Shop.

THE Dinosaur Bar-B-Que  
246 Willow St., Syracuse. 11 a.m. to midnight Monday-Thursday; 11 a.m. to 1 a.m. Friday and Saturday; noon to 10 p.m. Sunday; Live music Monday-Saturday nights; (315) 476-4937; www.dinosaurbarbque.com

HOT! Recently voted Best Barbecue in America in ABC’s “Good Morning America Weekend” poll, try some of the Dinosaur’s Wango Tango Habanero BBQ Sauce, Mojito Marinade, maybe some Garlic Chipotle Pepper Sauce to get the sensation. Funky wall art and weekly lineups of blues musicians have made this, the original Dinosaur Bar-B-Que, a national celebrity. National accolades have also come from The New York Times, Blues Review and Chile Pepper magazine.
ONONDAGA LAKE PARK
Onondaga Lake Parkway (Route 370 W.), Liverpool.
6 a.m. to sunset (1/2 hour after sunset); (315) 453-6712; www.onondagacounty.org

GET MOVING: Help! It has been a long drive or a long meeting or the kids are cranky. Fresh air and exercise might be just the remedy. Join the locals and head for Onondaga Lake Park located a few minutes north of downtown Syracuse and Destiny USA where you can run, walk, rollerblade or cross-country ski from dawn to dusk on miles of vehicle-free, paved trails.

ONONDAGA HISTORICAL ASSOCIATION MUSEUM & RESEARCH CENTER
321 Montgomery St., Syracuse. (315) 426-1884; www.cnyhistory.org

Research hours: 10 a.m. to 2 p.m. Wednesday-Friday or by appt. Monday-Tuesday afternoons only. Closed Saturday-Sunday.

Museum hours: 10 a.m. to 4 p.m. Wednesday-Friday and 11 a.m. to 4 p.m. Saturday-Sunday.

HISTORIC INSPIRATION: Home to one of the nation’s largest regional collections, the OHA Museum celebrates the area’s events, architecture, sports legends, industries, transportation and recreation in five major themed areas. Permanent exhibits include “Freedom Bound: Syracuse & the Underground Railroad” and a H.H. Franklin Manufacturing Co. (makers of automobiles) display, among others. The OHA Research Center, open for public research, houses 2 million archival photos, maps, cemetery records and other documents pertaining to Onondaga County history.

ROSAMOND GIFFORD ZOO AT BURNET PARK
One Conservation Place, Syracuse; $6, adults; $5, seniors and students; $4, children; children 2 and under, free.; Gift Shop & Jungle Café; (315) 435-8511; www.roxamondgfiffordzoo.org

LIONS AND TIGERS AND MORE!:
Considered one of the best mid-sized zoos in America and home to more than 700 animals, the zoo offers year-round fun for children and adults. Experience the new Asian Elephant Preserve, home to the zoo’s herd of seven elephants, including little Chuck, who was born in July 2008. The half-mile outdoor trail offers views of penguins, wolves, tigers, bears and more. Indoors, visitors will see lions, primates and an open-air avairy that showcases dozens of birds.

TIPPERARY HILL NEIGHBORHOOD & THE UPSIDE DOWN TRAFFIC LIGHT
Corner of Tompkins Street and Milton Avenue, Syracuse.

AN IRISH TIME OUT: Visit Tipp Hill, one of Syracuse’s West Side neighborhoods. The area was settled by Irish Erie Canal workers and later Irish immigrants, especially those from County Tipperary. Story has it that “the good sons of Ireland” didn’t want a traffic light, first installed in the mid-1920s, with “British” red on top of “Irish” green. Kids know now as the “Stonethrowers” pelleted and broke the light and several replacements. The City of Syracuse finally agreed to place the green light on top and the “green light of Ireland” has shown proudly at that corner ever since.
A MUST ATTEND EVENT!!
FUN, ENTERTAINING AND A GREAT TIME TO SOCIALIZE WITH YOUR FRIENDS.
- BEST BBQ IN TOWN!
- ORIGINAL DINOSAUR BBQ SITE.
- DINOSAUR BBQ OPENED IN 1988.

CRC Thursday Night
Welcome Dinner
Aug 20, 2015
5:00 pm till Midnight
246 West Willow St.
Syracuse, NY 13202

Happy Hour
Appetizers and
1 Hour Open Bar!!
5:00 – 6:00 pm

Live band music till midnight!!!
YEA and all, are invited to the Fun!!!
The 70th Annual CNY ASHRAE Clambake
Hinerwadel's Grove, North Syracuse
Fun, Food, Games and Raffles!

Please join us on Thursday, June 11, 2015. The activities begin at 4:00 p.m. and run until 8:00 p.m. The bake is a continuous buffet which includes the following plus a whole lot more.

- steamed clams, raw clams, shrimp
- clam chowder, salt potatoes, fried chicken
- barbecued beef and pork sandwiches
- roast pig at 6:00 p.m.
- steamship round at 7:00 p.m.
- desserts
- beer and soft drinks

The ticket price is only $55 per ticket and are available starting May 1. Please contact Bonnie Henderson c/o Syracuse Thermal Products at (315) 437-7321.

If you wish to use the Chapter PayPal service to pre-pay for tickets, visit http://centralnewyork.ashraechapters.org and click on the box to buy Clambake tickets. Tickets on PayPal are $56.

Arrangements: Purchase or pick-up tickets at Syracuse Thermal before the clambake or arrange with Syracuse Thermal for pre-paid tickets to be picked up at the door.

Mail checks payable to: CNY Chapter ASHRAE and send to:
Syracuse Thermal Products, Inc.
P.O. Box 398
East Syracuse, New York 13057
17th Annual CNY ASHRAE Research Promotion Golf Tournament

Thursday, June 11th, 2015
Foxfire Golf & Country Club
Baldwinsville, NY Ph: 638-2930

9:00 AM (Shotgun Start)

$70 ENTRY FEE INCLUDES:

• 18 Holes Golf + ½ Cart
• Coffee and Pastry at Registration
• Hot Dog or Hamburger, Chips and Soda or Draft Beer at the Turn

Skins will be available for the benefit of ASHRAE Research.  
**Skins Cost is $40 p/team** with ½ the proceeds awarded as prize; remainder donated to ASHRAE Research on behalf of the CNY Chapter

**ADDITIONAL PRIZES WILL BE AWARDED FOR:**

• 1st Place  
• Closest to the Pin (2 holes)  
• Longest Drive (2 holes – Men’s & Women’s)

**Corporate Sponsorships:**
For $125.00 we will promote your company or firm on one of the 18 holes on the golf course.  Or sponsor a hole and a foursome for $400.00 total!
Provide us with your company logo and it will be included on a sign in one of the tee boxes.

Your company will also receive mention in the ASHRAE Research Annual Report and Honor Roll in addition to receiving a commemorative coin recognizing your contribution to ASHRAE Research.

Participation is limited so please send in your entry early as registration must be made no later than Thursday, June 4th.

Please select from the following:

• 1 person @ $70.00  
• 2 people @ $140.00  
• 3 people @ $210.00  
• 4 people @ $280.00  
• Hole Sponsorship @ $125.00  
• Hole sponsorship and Foursome @ $400.00

**Email your sign-up form to Ralph Reid:**
ralph@hermanhvac.com or call with questions @315-455-4901

Make checks payable to: Central New York ASHRAE  
Central New York ASHRAE  
Attn: 2015 ASHRAE Golf  
P.O. Box 2396  
Syracuse, NY 13220
CNY ASHRAE Research Promotion Golf Tournament Sign-Up Form

When: Thursday, June 11th, 2015
Where: Foxfire Golf & Country Club
Time: Shot Gun Start @ 9:00 AM

Please select from the following:
• 1 person @ $70.00
• 2 people @ $140.00
• 3 people @ $210.00
• 4 people @ $280.00
• Hole Sponsorship @ $125.00
• Hole sponsorship and Foursome @ $400.00

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Name: ____________________________________________________________
Company: __________________________________________________________
Total $: ___________________________________________________________
Phone: ____________________________________________________________
E-mail: ____________________________________________________________

E-mail your Sign-Up Form to Ralph Reid:
ralph@hermanhvac.com or call with questions @ 315-455-4901

Make checks payable to: Central New York ASHRAE
Mail checks to: Central New York ASHRAE
Attn: 2015 ASHRAE Golf
P.O. Box 2396
Syracuse, NY 13220
ASHRAE Research and YOU

HOW IS ASHRAE RESEARCH USED?
- Update the Society’s standards and guidelines
  - Special ASHRAE publications
  - Articles published in the ASHRAE Journal

WHAT FUNDS ASHRAE RESEARCH?
- Contributions from members and corporations
  - A percentage of member dues
- Income from the ASHRAE cosponsored AHR Expo
- Interest earned on the Research Reserve and ASHRAE Foundation

HOW IS MONEY RAISED?
- Personal contact made by volunteers
- Special contracts with major donors
  - Direct solicitation of ASHRAE members at the time of dues billing

HOW DOES ASHRAE RESEARCH HELP ME?
- Decreasing the spread of airborne diseases
- Conserving energy in hot and humid climates
- Understanding the relationship between occupant health and ventilation rates
- Decreasing the risk of spoiled food
This webcast will feature industry experts who will define the benefits of existing building commissioning for the environment, occupants, operations staff, and overall ownership costs. Viewers will be able to recognize the varied scopes of commissioning, when to apply comprehensive versus focused commissioning, and best practices in existing building commissioning specifications & contracting.

**Earn PDHs!**
Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs).