

# The Central New Yorker

## ASHRAE Newsletter

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

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## THE PRESIDENT'S Message

**T**hanks to all that came out to our April meeting. The off-site field trip and chapter dinner meeting was a big hit. Our best turn out to date. We began our meeting with a tour of the Ultra Dairy processing facility in East Syracuse. And, if you are like me, you have passed by this facility while traveling on Route 481 and have always wondered what they did there; now, the mystery is solved.

It was an excellent tour, and many thanks to Bill Walter and Rae Butler for organizing the event.

Believe it or not, the upcoming May Chapter meeting will be our last together, as my term as President is winding down. I want to thank all the regulars that came out to this year's Chapter meetings. I also want to thank my Board of Governors and Committee Chairs for all their hard work and dedication. Finally, I want to wish Jim Walker and his incoming Board the best of luck for next year.

This month's meeting will be about air-to-air enthalpy heat exchangers. Please come out to support the Chapter and hear Jim Connell's presentation. Jim is Vice President of Sales at Airxchange, Inc., with 41 years of HVAC industry experience. See Rae's article for more details.

So please join us for our meeting Wednesday, May 13, 2009 at the Doubletree at Carrier Circle. The cash bar opens at 5:30 p.m., followed by dinner at 6:00 p.m. and presentation at 6:45 p.m. Dinner charge is \$25. REGISTER TODAY, but at least by Monday, May 11<sup>th</sup>, using the link below.

While the chapter meetings are coming to a close, we still have our two most important events coming up in June. Don't forget to mark your calendars for our 64<sup>th</sup> annual clambake on June 11<sup>th</sup> and our 11<sup>th</sup> annual RP golf outing on June 15<sup>th</sup>. Details on both events are included in this newsletter

Again, I want to thank my Board of Governors and Committee Chairs for all their hard work and dedication. I truly appreciated their efforts.

<http://centralnewyork.ashraechapters.org/Reserv.htm>

Best Regards,

Chris Martin


CNY Chapter President

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

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# Historically Speaking

## Automatic Expansion Valve Invented - 1905

 As the application of mechanical refrigeration spread to uses requiring small systems, the need to better control refrigerant flow became evident. Various schemes to control refrigerant flow began to appear in the 1880's. One of the first approaches that actually saw production and use was the constant pressure expansion valve, commonly referred to as the automatic expansion valve, invented by Albert T. Marshall. He was granted a US patent for his valve in 1905. The patent text says the invention "relates to an automatically controlled valve for regulating the admission of anhydrous ammonia or other refrigerating medium to the expansion coils of a refrigerating apparatus".

Marshall's expansion valve was used by The Automatic Refrigerating Company, a pioneer in the development of small refrigerating systems. Marshall invented other automatic controls for refrigeration, including a constant superheat thermostatic expansion valve, which he patented in 1911. Now, 100 years later, there are many control companies world-wide offering similar devices to regulate the many different refrigerants we have today for a myriad of applications.

— Paul Britton, Chapter Historian

**T**he CNY ASHRAE chapter would like to extend a special congratulations to several individuals who have achieved significant membership status upgrades:

Edward Cahill and John Bertram membership status has been upgraded as 50 year members.  
Efain Rosa, Richard Nicotera and Robert Heaphy membership status has been upgraded to Life Member.

Congratulations to the two recent new members below who joined the Central New York ASHRA chapter. Please join me in extending a warm ASHRAE welcome to these individuals.

If you or anyone that you know is interested in joining ASHRAE, please have them sign-up at: [www.ashrae.org](http://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.

| <b>Name</b>          | <b>Membership Start Date</b> | <b>Type</b> |
|----------------------|------------------------------|-------------|
| Dr. Sankar K Mohan   | 4/20/2009                    | Member      |
| Mr. Francis J Dsouza | 2/25/2009                    | Student     |

— John Mix  
ASHRAE New Membership Chair

## Resource Promotion

The Central New York Chapter would like to thank Carrier Corporation and Mr. Edward Hirsh for their latest donations to ASHRAE Research. Even though we are facing tough economic times, we are still only slightly behind last years pace. Please spread the word about the upcoming clam bake and golf outing. These two events make up a large portion of our Research Promotion goal.

Thank you for your support this year.  
Paul Conte  
Research Promotion Chairman

## 2009-2010 Board of Governors

Shown below is the list of next year's Board of Governors for the CNY ASHRAE Chapter. The members present at the April 8<sup>th</sup> meeting voted on and approved the new Board.

Some of the new Board members are Brett Fero (Robson Woese), Charles Bertuch (Bergmann Associates) and Donald Middleton (Bergmann Associates).

Please welcome and congratulate these new BOG members the next time you see them.

|                                 |                  |
|---------------------------------|------------------|
| President                       | Jim Walker       |
| President-Elect                 | Rae Butler       |
| Vice President                  | Steve Sill       |
| Treasurer                       | Bill Walter      |
| Secretary                       | Brett Fero       |
| Term Member/Membership          | John Mix         |
| Term Member/Resource Promotion  | Mike Kingsley    |
| Term Member/Historian           | Paul Britton     |
| Term Member/Student Activities  | Charles Bertuch  |
| Member-at-Large/Hospitality     | Donald Middleton |
| Past President/Public Relations | Chris Martin     |

— Jim Walker

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](mailto:westbror@upstate.edu).

Advertise Here

# 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.

|      |   |
|------|---|
| May  | <b>Enthalpy Heat Recovery</b> – 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 | <b>June 11: 64<sup>th</sup> Annual Clambake</b><br><b>June 15th CNY ASHRAE's Annual Golf Tournament</b> at Foxfire<br>This is a fun afternoon of Golf and help with ASHRAE's Research Fund.   |

## Monthly Program Details

**May Program – Enthalpy Heat Recovery**  
**Wednesday May 13<sup>th</sup>, 5:30 p.m. at the Double Tree Hotel at Carrier Circle**  
**Dinner and cash bar followed by program.**

To register please go to [paulc@guckianenergy.com](mailto:paulc@guckianenergy.com) or <http://centralnewyork.ashraechapters.org/>

**Programs are the second Wednesday of the month.**

**May** **Enthalpy Heat Recovery** – The last program of the year is about air to air enthalpy heat exchangers. With increased usage of heat exchangers required to meet energy code and ventilation requirements this session will provide information required to design and properly use the latest in heat exchanger technology. It will offer comparisons to other heat exchanger technologies and provide useful life cycle and energy savings information.

Jim Connell will be this month's presenter. Jim is Vice President Sales of Airxchange, Inc. a privately held manufacturer of energy recovery cassettes sold to HVAC OEM's. Jim has used his 41 years of HVAC industry experience to help Airxchange become the predominant supplier of enthalpy recovery wheel technology in North America.

He has served on the board of directors of the Air Conditioning and Refrigeration Institute (ARI) and is a past member of ASHRAE and ASME.

Jim started his working career at the Carrier headquarters in Syracuse, holding various engineering and marketing positions. From Carrier, Jim became Northeast District Sales Manager for Copeland Corporation, managing all sales and activities in New York and the New England states. Copeland promoted Jim to head of corporate Product Planning where he was responsible for the introduction of the Discus compressor and the commercialization of the Copeland Compliant Scroll Compressor. Jim joined Lau as Vice President, Sales and Marketing and was responsible for all Sales and Marketing activities in the US and Canada.

**June** **June 11: 64<sup>th</sup> annual Clambake**  
**June 15th CNY ASHRAE's Annual Golf Tournament** at Foxfire  
This is a fun afternoon of Golf and help with ASHRAE's Research Fund.  
Contact Paul Conti at [paulc@guckianenergy.com](mailto:paulc@guckianenergy.com) with questions or to register.

— Rae H. Butler



# Syracuse University Scholar

**SU** student chapter member Carl E. Braestrup is this year's recipient of the \$750 Fritz Traugott Scholarship! Congratulations, Carl, and keep up the good work!

## Internships?

If your company is interested in recruiting interns or new hires from our student chapters then please let me know and I can pass on your openings and/or contact information.

Mike Kingsley  
kingsleym@saic.com  
Student Activities Chair  
Central New York ASHRAE

## The 64<sup>th</sup> Annual CNY ASHRAE Clambake

Hinerwadel's Grove, North Syracuse

*Fun, Food, Games and Raffles!*

Please join us on Thursday, June 11, 2009. 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 \$42 each and tickets will be available starting May 1. Please contact Bonnie Henderson C/o Syracuse Thermal Products at (315) 437-7321.

Mail checks payable to: CNY Chapter ASHRAE and **send** to:  
Syracuse Thermal Products, Inc.  
P.O. Box 398  
East Syracuse, New York 13057



THE CENTRAL NEW YORK CHAPTER OF THE AMERICAN SOCIETY  
OF HEATING, REFRIGERATING AND AIR-CONDITIONING  
ENGINEERS, INC.

## **ELEVENTH ANNUAL RESEARCH PROMOTION** **GOLF TOURNAMENT – SHOTGUN START 12:00 PM**

*You are cordially invited to attend the Eleventh Annual CNY ASHRAE Research Promotion Golf Tournament.*

Monday **June 15, 2009** at Foxfire Golf & Country Club.

*Your \$75.00 entry fee includes:*

- 18 Holes of Golf
- Golf Cart
- Hot dog or Hamburger and soda or draught beer at the turn
- Italian Oven Roasted Chicken or London Broil Dinner



Format will be Captain and Crew. We will assign you to a Crew if you don't have a foursome you wish to play with.

A skins game will be held for the benefit of ASHRAE Research. Cost is \$ 40 per team. Half of all proceeds will be awarded as prizes and the remainder will be donated to ASHRAE Research.

Prizes will be awarded for:

- First Place
- Closest to the Pin (2 holes)
- Longest Drive (2 holes)

### **Corporate Sponsorships:**

For \$125.00 we will promote your company or firm on one of the 18 holes on the golf course. SAVE BIG by sponsoring a hole and a foursome for \$400 total! Provide us with your company logo and we will have a sign at the tee area promoting your business. We will also include your firms name in all promotional material circulated for this event. Your company will also receive mention in the ASHRAE Research Annual Report and Honor Roll and receive a commemorative coin recognizing your contribution to ASHRAE Research.

This is sure to be one of the top golf outings of the year. We are limited to 120 participants, so please send your entry form in early to reserve your spot! We will need everyone who is planning to attend register no later than **June 12<sup>th</sup>, 2008.**

### **FOURSOME**

**Please select from the following:**

- |        |   |   |
|--------|---|---|
| 1_____ | <input type="checkbox"/> 1 person @ \$75  | <input type="checkbox"/> Hole sponsorship only @ \$125                          |
| 2_____ | <input type="checkbox"/> 2 people @ \$150 | <input type="checkbox"/> Hole sponsorship and foursome @ \$400 ( <b>SAVE!</b> ) |
| 3_____ | <input type="checkbox"/> 3 people @ \$225 |   |
| 4_____ | <input type="checkbox"/> 4 people @ \$300 |   |

**FAX or E-MAIL SIGN-UP FORM TO** ***Jim Walker 471-2045 (jwalker@rfpeck.com)***

**MAKE CHECKS PAYABLE TO:**

**MAIL CHECKS TO:**

***Central New York ASHRAE***  
***Central New York ASHRAE***  
***Attn: Steve Sill (ASHRAE Golf)***  
***PO Box 2396***  
***Syracuse, NY 13220***