

ASHRAE Rochester



VOLUME 5, ISSUE 7

MARCH 2, 2011

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Pay for Meeting Registration online via Paypal (no Paypal account required)
Use the following link: <http://rochester.ashraechapters.org/meetings.html>

March ASHRAE Meeting (1 pdh is pending for this meeting)

Monday, March 14, 2011

Location: Mario's Italian Steakhouse 2740 Monroe Ave, Rochester

Time: 12 PM with Buffet Lunch Served

Cost: \$25.00

Speaker: Gordon V.R. Holness PE, Chairman Emeritus of Albert Kahn Associates, Inc.
ASHRAE Distinguished Lecturer, ASHRAE Society President 2009-10

Topic: ANSI/ASHRAE/IESNA Standard 100-2006R, Energy Efficiency in Existing Buildings

This Presentation will detail the objectives of the rewrite of ANSI/ASHRAE/IESNA Standard 100-2006R which are to provide greater guidance and a more comprehensive approach to the retrofit of existing buildings for increased energy efficiency. This update also provided the opportunity to bring the standard in line with other published ASHRAE documents, specifically ANSI/ASHRAE/IESNA Standard 90.1-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings, and the 2007 ASHRAE Handbook—HVAC Applications.

Gordon V.R. Holness P.E. is Chairman Emeritus of Albert Kahn Associates, Inc. a 400 person Architectural and Engineering Company, in Detroit. He retired from the firm in 2001 having served for over 32 years including roles as Chief Mechanical Engineer, Treasurer, Board Member, President and CEO. He currently serves in a consulting capacity and as an expert witness for design and construction issues

He is a Professional Engineer, registered in 43 States and 5 Provinces. He is a chartered engineer in the United Kingdom. He has over 50 years experience in design and construction, specifically in mechanical engineering and HVAC&R services for commercial, industrial, health care and institutional buildings in England, Canada and the United States.

He joined The American Society of Heating Refrigerating and Air Conditioning Engineers (ASHRAE) in 1965 and served as Society President 2009-10 while serving on the Board of Directors and the Executive Committee. His presidential theme – "Sustaining Our Future by Rebuilding Our Past" focuses on Energy Efficiency in Existing Buildings as our greatest opportunity for a sustainable future.

He has Chaired Publishing and Education Council, Members Council, the Advocacy Committee and the Steering Committee on Building Information Modeling and Interoperability. He has won 20 Chapter, Regional and National Awards for Technology and Energy Conservation.

He has written numerous articles and is a frequent speaker in such areas as Improving Energy Efficiency in Existing Buildings, Building Information Modeling, Integrated Building Design and Sustainable Development.

Pay for Meeting Registration online via Paypal (no Paypal account required)
Use the following link: <http://rochester.ashraechapters.org/meetings.html>

Please RSVP by noon Thursday, March 10th to Tim Duprey, Phone: 585-402-5285 or dupreyt@ifsinc.net.
Please read member note on page 5 regarding reservations.

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ASHRAE 2010-2011 Meeting Schedule

Date	Event	pdh / Theme	Location	Schedule
03/14/11	ASHRAE Distinguished Lecturer Gordon V.R. Holness P.E. ASHRAE Standard 100 - Energy Conservation in Existing Buildings	Research Promotion (1) pdh pending	Mario's 	12:00 PM
04/11/11	 Refrigeration Night Jim Peters—Church Road Farms Apple Storage Facility—Refrigeration Tour	-----	Tour	Dinner
05/17/11	Annual ASHRAE Golf Outing and Picnic 	-----	Ravenwood Golf Club	9:30 AM Golf 4:30 - 8:00 Picnic

Upcoming USGBC Meeting:

The USGBC NY Upstate Chapter - Genesee Region is hosting an education session March 31st from 8:00-9:30 am at RIT, Systems Design & EA Credit 1: Top 10 Energy Efficiency Measures for Demand Reduction. The session credits are: 1.5 GBCI CE, 1.5 AIA/CES LU and 1.0 (pending) PIE PDH. For more information and to register please go to www.greenupstateny.com or email msommerman@bergmannpc.com.



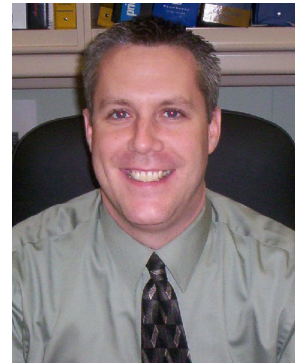
President's Message: by Jim Browe

The Rochester chapter had a lot going on in February. We had our lunch meeting on February 14th where Bruce Majer gave us a presentation on HVAC noise and vibration control. It was a good look on how to reduce sound, noise and vibration through various means including sound barriers, sound attenuators and vibration isolation.

We also had our 54th annual Valentines dinner dance on Saturday February 12th at the Memorial Art Gallery. It was a great time. We had over 180 people in attendance and we were able to look at the art work, dance and have a great dinner. This one was a little different than past dances in which we named this one the Presidential Gala in honor of Lynn Bellenger, the current ASHRAE Society President. Lynn is a partner at Pathfinders Engineers and has been very active in ASHRAE locally and nationally

for a long time. It was great that we were able to host this event in her honor.

I wanted to thank Jody and Matt McGarry for running this event. We are also very thankful and appreciative of our sponsors. Without them we wouldn't have been able to have such a wonderful event.



Jim Browe, 2010-2011 President

Mission Statement

ASHRAE will 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.



“Advancing HVAC&R to serve humanity and promote a sustainable world”

Vision Statement

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.
- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

Research Promotion: Jeff Close

ASHRAE Research Promotion

We are past the half way mark for this year's research promotion campaign and looking to make a strong finish with the continued support from last year's ASHRAE Research donors and new potential donors.

For your convenience I have included a donation form that can be filled out with your information and sent directly to ASHRAE headquarters or if you prefer, you may also make your contribution quick and easy online at www.ashrae.org/contribute.

A special thanks to our current contributors this year:

2010-11 Rochester Chapter Research Donors			
Ms Lynn G Bellenger	Major Donor - Silver	Mr Thomas E Piekunka	Honor Roll Donor
R.P. Fedder Corporation	Major Donor - Bronze	Ms Michelle Sommerman	Honor Roll Donor
Slater Equipment Company Incorporated	Major Donor - Antique	Mr Jeffrey S Close	Honor Roll Donor
RF Peck Company, Inc.	Honor Roll Donor	Mr Robert Wind, Jr	Honor Roll Donor
Air Systems Balancing & Testing Service	Honor Roll Donor	Mr Peter Oppelt	Honor Roll Donor
Mr James C Browe	Honor Roll Donor	Mr Edward Burns	Honor Roll Donor
Mr Jeffrey C Ellis	Honor Roll Donor		

* Updated 2-24-2011

If any one is interested in donating and would like to learn more, please contact me.
Jeffrey Close - Research Promotion Chair

Mission: To improve the quality of life and to answer tomorrow's questions through research TODAY.

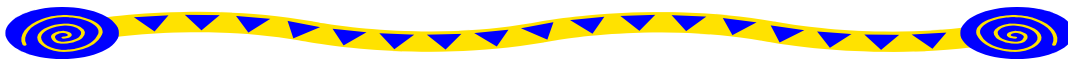
Over \$2million raised annually to help fund \$10million in research projects and student grant-in-aids.

Research is used to update the Society's standards and guidelines.

Contributions come from more than 6,700 members, non-members, and companies.

100% of all funds raised go directly to research projects that support the HVAC&R industry.

Active research projects are conducted all around the world at various universities and private organizations.



Attention Members:

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space. Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation. Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Rochester Chapter Officers




On February 12, ASHRAE Rochester hosted its 54th Annual Valentine Dinner Dance. This year the event was extra sweet, as we had the opportunity to honor our very own Lynn Bellenger! Over 180 people were there to celebrate Lynn and her many accomplishments. A **BIG** Thank-you goes out to our amazing sponsors! Without you, this event would not have been possible. Because of your support, we were able to turn the annual Valentine Dinner Dance into a very special Presidential Gala...and a good time was had by all! Thank you to all who made this event magical!



Rochester Chapter—Current and Past Presidents with Lynn Bellenger







WELCOME

Valentine Presidential Gala

February 12th, 2011



Pathfinder Engineers & Architects, LLP	Postler & Jaeckle, Inc.
ABR Wholesalers, Inc.	PRES Design Build, LLC
Air Enterprises	Rochester Engineering Society
Air Systems Balancing	R.F. Peck Co., Inc.
American Metals	R.L. Kistler, Inc.
Becker Learning	R.P. Fedder Corporation
Bergmann Associates	Siemens Industry, Inc.
Crosby-Brownlie, Inc.	Slater Equipment Co., Inc.
Day Automation Systems, Inc.	SMACNA-Rochester, Inc.
Erb Company, Inc.	T.H. Herman, Inc.
Gray Metal Products, Inc.	Trane
Guckian Energy Systems, LLC	Turner Engineering, P.C.
Herline Technologies	Upstate Systems, Inc.
IBC Engineering, P.C.	V.J. Stanley, Inc.
Isaac Heating & Air Conditioning, Inc.	V.P. Supply Corp.
J.T. Mauro Co., Inc.	Ward Supply Co., Inc.
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Delta Controls - Integrated Facility Systems	
Hunt Engineers, Architects & Land Surveyors, P.C.	
Kenron Industrial Air Conditioning	
LaBella Associates, P.C.	
M/E Engineering, P.C.	
Mech Tech HVAC	
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Northern Air Systems	
Piekunka Systems, Inc.	
Sheet Metal Workers Local Union #46	



Thank You
our
Corporate
Sponsors

*On February 13, ASHRAE Rochester hosted its 54th Annual Valentine Dinner Dance. This year the event was extra sweet, as we had the opportunity to honor our very own Lynn Bellenger! Over 180 people were there to celebrate Lynn and her many accomplishments. A **BIG** thank-you goes out to our amazing sponsors! Without you, this event would not have been possible. Because of your support, we were able to turn the annual Valentine Dinner Dance into a very special Presidential Gala...and a good time was had by all!*

Thank you to all who made this event magical!

— Jody & Matthew McGarry

Sponsors for the Valentine Presidential Gala 2011

Pathfinder Engineers & Architects, LLP

ABR Wholesalers, Inc.

Air Enterprises

Air Systems Balancing

American Metals

Becker Learning

Bergmann Associates

Crosby-Brownlie, Inc.

Day Automation Systems, Inc.

Delta Controls – Integrated Facility Systems

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Guckian Energy Systems, LLC

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Northern Air Systems

Piekunka Systems, Inc.

Postler & Jaeckle, Inc.

PRES Design Build, LLC

Rochester Engineering Society

R.F. Peck Co., Inc.

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Siemens Industry, Inc.

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SMACNA – Rochester, Inc.

T. H. Herman, Inc.

Trane

Turner Engineering, P.C.

Upstate Systems, Inc.

V.J. Stanley, Inc.

V.P. Supply Corp.

Ward Supply Co., Inc



YEA ROCHESTER

If you are 35 or younger, welcome to Young Engineers in ASHRAE (YEA). Our primary objective is to enhance member benefits by identifying activities and services focused on the needs of young professionals in the industry of HVAC and energy.

Thank you for another wonderful turn-out at MacGregor’s on Friday, February 18th for our YEA Happy Hour. The next happy hour will be on Friday, March 18th at MacGregor’s by RIT (Henrietta). If you have a preferred location, let us know and we’ll make sure to bring the Happy Hour to you.



UPCOMING EVENTS

- **Wednesday, March 16, 2011**—YEA Technical Session FREE
 Location: University of Rochester—Central Utility Plant
 Dinner at 5:00 pm at Goergen Hall
 Tour at 6:00 pm at University of Rochester—Central Utility Plant
 Tour will include the following systems:
 1928 Boiler Plant, COGEN thermal and electric generator, Steam Distribution System, Hot Water Distribution System, Control Systems, Cooling Towers and River Condensate System.
 For more information, contact Jaimee Reynolds: jreynolds@pathfinder-ea.com

- **Monday, April 11, 2011**– ASHRAE Refrigeration Tour
 Learn about maintaining fresh apples all year long at a local Apple Storage Facility
 Location : Church Road Farms with Jim Peters
 For more information, contact Jaimee Reynolds: jreynolds@pathfinder-ea.com



- **Tuesday, May 17, 2011** – YEA Mini-Golf and Driving Range
 Practice your short game before meeting up with the ASHRAE Chapter at Ravenwood Golf Club
 Location: Auburn Creek Driving Range & Mini-Golf
 7331 Victor-Mendon Rd, Victor, NY 14564
 For more information, contact Jaimee Reynolds: jreynolds@pathfinder-ea.com

GET INVOLVED

Become a Mentor to local RIT Students, Help plan ASHRAE programs by joining the local ASHRAE Program Planning Committee, Help create standards like ASHRAE 90.1 and 62.1 by joining a National ASHRAE Technical Committee. **If you would like to help us plan activities and services for YEA, please join us at our committee meetings. Lunch is provided. For more information, contact:**

Eric Smith: esmith@turnerengineering.com OR Jaimee Reynolds: jreynolds@pathfinder-ea.com

ASHRAE Learning Institute Spring 2011 Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.



Using Standard 90.1 to Meet LEED Requirements
Monday, March 28, 2011 – 1:00 p.m. to 4:00 p.m.

District Cooling & Heating Systems: Central Plants
Wednesday, April 20, 2011 – 1:00 p.m. to 4:00 p.m.

Fundamental Requirements of ASHRAE Standard 62.1-2010
Wednesday, March 30, 2011 – 1:00 p.m. to 4:00 p.m.

Understanding Air-to-Air Energy Recovery Technologies & Applications
Monday, April 25, 2011 – 1:00 p.m. to 4:00 p.m.


Application of ASHRAE Standard 62.1-2010
Wednesday, April 6, 2011 – 1:00 p.m. to 4:00 p.m.

Basics of High Performance Building Design 
Wednesday, April 27, 2011 – 1:00 p.m. to 4:00 p.m.

The Commissioning Process & Guideline 0
Monday, April 11, 2011 – 1:00 p.m. to 4:00 p.m.

Complying with Standard 90.1-2010 HVAC/Mechanical
Monday, May 2, 2011 – 1:00 p.m. to 4:00 p.m.

Avoiding IAQ Problems Using ASHRAE's New IAQ Guide
Wednesday, April 13, 2011 – 1:00 p.m. to 4:00 p.m.

Advanced High Performance Building Design 
Wednesday, May 4, 2011 – 1:00 p.m. to 4:00 p.m.

Understanding Standard 189.1 for High Performance Buildings
Monday, April 18, 2011 – 1:00 p.m. to 4:00 p.m.

Complying with Standard 90.1-2010 Envelope/Lighting
Wednesday, May 11, 2011 – 1:00 p.m. to 4:00 p.m.



ASHRAE HVAC Design Essential Workshop

May 18-20 • ASHRAE Foundation Learning Center • Atlanta, GA

ASHRAE Certification Programs

In three days, you will

- Participate in in-depth, practice-focused training
- Improve overall building performance
- Effectively collaborate on an integrated design team
- Learn from industry leaders selected by ASHRAE
- Gain real-world experience to make immediate contribution to design projects

ASHRAE created the HVAC Design Essentials to provide intensive, practical education for HVAC designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides attendees with the fundamental and technical aspects of HVAC design in commercial buildings.


In three days, you will gain practical skills and knowledge to design, install and maintain HVAC systems that can be put to immediate use. The workshop provides real-world examples of HVAC systems including calculation of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

Who Should Attend

Professionals at:

- Mechanical design firms
- Architectural firms
- Mechanical consulting firms
- Facility management departments
- Sales engineering firms
- Utility companies



- Building Energy Assessment Professional (BEAP) 
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit
[www.ashrae.org/
certification](http://www.ashrae.org/certification)

Visit www.ashrae.org/hvacdesign to register



2010 ASHRAE PICNIC SPONSORSHIP FORM

Tuesday, May 17, 2011

<p>RAVENWOOD GOLF CLUB</p>		
<p>Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p>11:00 AM – 4:30 PM - Golf</p>	<p>Picnic: 4:30 PM-8:00 PM 4:30 PM - 6:00 PM Cocktails and Hors d'oeuvres 6:00 PM - 8:00 PM Dinner Catered By: Dinosaur Barbeque at Ravenwood Golf Club</p>	<p>Four Man Scramble and Optional Skins Game.</p> <p>Golf includes:</p> <ul style="list-style-type: none"> ➤ Golf ➤ Cart ➤ Driving Range ➤ Prizes ➤ On course beverages and food at the turn

*Please include check (on notes put what sponsorship you made) and make payable to: **ASHRAE Rochester Chapter** and mail to:*

Attention: Edward J. Burns
Mech Tech HVAC, Inc.
195 North Ave.
Webster, NY 14580

*Any questions, call Ed at (585) 872-6681
Email: ejb@mechtechvac.com*

Please fill out info so we can **correctly recognize you or your Company.**

Company Name: _____

OR

Individual Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) _____ (Home) _____

Sponsorship Form

Sponsorship Name	X here for your Sponsorship	Sponsorship Amt.
Gold - \$250.00 - Hole Sponsorship and Recognition at Picnic		\$250.00
Silver - \$150.00 - Hole Sponsorship		\$150.00
Bronze - \$100.00 - Recognition at Picnic		\$100.00
Prize Sponsor - \$175.00 - Longest Drive		\$175.00
Prize Sponsor - \$175.00 - Closest to Pin		\$175.00
Total Check Amount:		



TUESDAY, MAY 17, 2011
ASHRAE Picnic / Golf Tournament
To be held at
Ravenwood Golf Course

*Reservation Deadline is... **May 10, 2011***
 (There is a limited amount of tickets this year on a first come basis)

 RAVENWOOD GOLF CLUB		
<p align="center">Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p>11:00 AM - 4:30 PM - Golf</p>	<p align="center"><u>Picnic: 4:30 PM-8:00 PM</u> 4:30 PM - 6:00 PM Cocktails and Hors d'oeuvres 6:00 PM - 8:00 PM Dinner Catered By: Dinosaur Barbeque at Ravenwood Golf Club</p>	<p align="center"><i>Four Man Scramble and Optional Skins Game.</i></p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> ➤ Golf ➤ Cart ➤ Driving Range ➤ Prizes ➤ On course beverages and food at the turn

**NO TICKETS WILL BE SOLD OR DISTRIBUTED AT THE DOOR! RES HAS THE TICKETS THIS YEAR.
 TICKETS WILL BE MAILED TO YOU OR CAN BE PICKED UP AT THE
 ROCHESTER ENGINEERING SOCIETY.**

Please include check and make payable to:
"ASHRAE – Rochester Chapter"

Return this form...
Mail prior to May 10, 2011 to:
Attention: Reservation Clerk
Rochester Engineering Society
150 State Street
Rochester, New York 14614
Any questions, call (585) 254-2350
Email: res@frontiernet.net

Address where you would like your picnic tickets sent to:

Company: _____

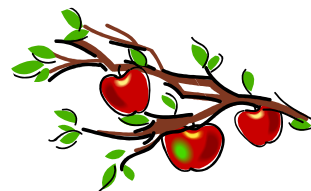
Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) _____ (Home) _____

Ticket Request Form			
Event	Fee Amount	No. Attending	Total
Golf	\$85.00		\$
Picnic	\$45.00		\$
OR:			
Golf and Picnic (SAVE \$10.00)	\$120.00		\$
Total amount enclosed:			\$



SAVE THE DATE April 11th

April Meeting -Tour of Church Road Farms

On Monday, April 11, 2011 we will hold our annual Refrigeration Night program. This year we will be having a dinner meeting followed by a tour of the apple cold storage facility at Jim and Laurie Peter's Church Road Farms, in Williamson, New York.

The program will begin with a dinner and technical session at the Pultneyville Grill, 4135 Mill Street, Pultneyville, New York (RSVP's required). We will have a gourmet buffet style dinner at what is a warm and inviting, harbor side landmark in this historic hamlet located on the South shore of Lake Ontario.

Featured in the technical presentation and the tour is a recently built, two building storage facility utilizing a 200 horsepower Hill-Phoenix refrigeration rack system comprised of four, 50 horsepower Bitzer compressors and positive oil return lubrication management devices and controls. It is coupled with Krack direct expansion warehouse evaporators in each room. The system uses water flow over the evaporator coil surfaces for frost removal (defrost) making for a very efficient, cost effective means of reducing frost buildup. The heat rejection is accomplished by the use of an Evapco evaporative condenser installed outdoors. Another important element of the system is an energy saving micro-processor based control system manufactured by ENERSAVE, LLC, headquartered in Walker, Michigan (enersavelc.com).

Our gracious host for the tour is Jim Peters who with his wife Laurie, owns and operates the cold storage at Church Road Farms. Jim started growing apples in the Williamson area back in 1973. He built his impressive ten room storage facility in 2007 and 2008. The capacity of the facility is 360,000 bushels in controlled atmosphere rooms and 100,000 bushels in regular stor-

age. Jim has become very knowledgeable in refrigeration and particularly, in the ENERSAVE Refrigeration Control System.

The presenters of our technical session will be Scott Sovereign and Frank Van Kempen, owners and founders of ENERSAVE, LLC. Scott, who is a Professional Engineer with expertise in Thermodynamics, will be making a presentation which will be an overview of the refrigeration system installation and operation and the unique water defrost system. Frank, who is a Master Electrician, will make the presentation on the ENERSAVE Refrigeration Control System.

The combination of the varying capacity mechanical refrigeration equipment, the atmosphere regulating systems, and the ENERSAVE control system, makes for a very energy efficient means of producing the storage environment necessary for maintaining the quality and integrity of the product for long term storage. The ENERSAVE Refrigeration Control Program has been installed in over 30 refrigerated apple storages in West Michigan comprising over 5.5 million bushels of storage, 1 refrigerated facility in Canada comprising 1 million bushels of storage, and 4 storage customers in New York comprising 1.5 million bushels of storage. The electrical cost of product storage in all these facilities has been reduced significantly.

Come on out with us on April 11, 2011, for what is sure to be an enjoyable and highly informative Refrigeration themed program.

Mike Nohle, 2010-2011 Refrigeration Chair





ASHRAE RESEARCH DONATION FORM

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Who Care
About
Tomorrow

Contributor: _____ Contact Name: _____

Address: _____ Phone: _____

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CONTRIBUTED BY: (Check Only One)

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- INDIVIDUAL NON-MEMBER
- COMPANY/ORGANIZATION

Your contribution puts us closer to achieving our goal. Please send what you can today!
Individual contributions of \$100 or more and Corporate contributions of \$150 or more receive this year's Commemorative Coin and Honor Roll Investor recognition in the October ASHRAE Journal

CONTRIBUTION AMOUNT \$100 \$150 \$250 OTHER \$ _____ **THANK YOU!**

CONTRIBUTION FOR: (defaults to research) Research Professional Education Programs

METHOD OF PAYMENT: Check Visa MasterCard AMEX Online

DATE: _____ SIGNATURE: _____ CARD#: _____ EXP. DATE: _____

Mail Check (Payable to "ASHRAE Research") to:
ASHRAE RESEARCH
c/o Patricia Adelman
1791 Tullie Circle, NE
Atlanta, Georgia 30329-2305

*** ONLINE Contributions can be made at www.ashrae.org/contributions ***

All contributions to the ASHRAE are fully deductible under Section 170 of the U.S. Internal Revenue Code. Please make checks payable to ASHRAE RESEARCH FUND for research contributions or ASHRAE, Inc for professional education support.

Chapter/Number: Rochester, NY Chapter

Solicited By: Jeffrey Close – Rochester RP Chair

Welcome to ASHRAE's Government Affairs Update. Along with the Government Affairs webpage, these periodic e-mail updates feature information on government affairs related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the government affairs webpage (<http://www.ashrae.org/advocacy>).

Please pass this information on to interested colleagues who also may subscribe from the ASHRAE Government Affairs webpage. Should you wish to unsubscribe, information appears at the end of this e-mail.

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

ASHRAE Government Affairs Update, 2/25/11

- [DOE Building Technologies Program Would See 144.9% Increase Under President's Budget](#)
- [Congress Debates Continuing Resolution, Federal Government Shutdown May Be Likely](#)
- [Solar Decathlon to Remain on National Mall in 2011](#)

[DOE Building Technologies Program Would See 114.9% Increase Under President's Budget](#)

Increasingly buildings are being recognized for the significant impact they have on energy, the environment, and the economy. As evidence of this, President Barack Obama's budget request to Congress for fiscal year 2012 includes a request to increase funding for the Building Technologies Program (BTP) by approximately 114.9 percent (from \$219 million currently to \$470 million).

The proposed increase (and really almost any programmatic increase) is significant, as the President has proposed a five-year overall freeze on non-security discretionary spending, as well as funding cuts in several areas.

The mission of BTP is to develop and promote efficient, environmentally friendly, and affordable technologies, systems, and practices for the nation's residential and commercial buildings that will lower greenhouse gas emissions, foster economic prosperity and increase national energy security while providing the energy-related services and performance expected from our buildings.

According to the President's budget request, if approved, these new funds would be used, among other things, to support the President's proposed Better Buildings Initiative, and to bring additional cost savings to consumer appliance standards, accelerated development and adoption of new building codes, development of new information tools on building energy efficiency, building energy scores, innovative financing, support for building retrofits, and other methods to accelerate adoption of new efficiency technologies and practices.

A central question is will the President's budget mean much? Given the current environment in Congress, it is highly likely that the most important part of the President's budget may be the program cuts and eliminations he has proposed. The President's priorities will be important, as they will help to frame the conversation in Congress, and because of this, the building community may benefit from the high value the White House has placed on building codes and technologies.

Swirling amidst this debate on funding for FY 2012 is how to deal with the current fiscal year through one or more continuing resolutions (CRs). The decisions made in the CR will likely have an impact on funding for FY 2012. More on this in the next section...

For additional information on both the highlights and details of the President's budget, please visit <http://www.whitehouse.gov/omb>, or email Mark Ames, ASHRAE Manager of Government Affairs, at mames@ashrae.org.

For additional information on the President's Better Buildings Initiative, please see the previous (2/11/11) Government Affairs Update, or visit <http://www.whitehouse.gov/the-press-office/2011/02/03/president-obama-s-plan-win-future-making-american-businesses-more-energy>.

[Congress Debates Continuing Resolution, Federal Government Shutdown May Be Likely](#)

Because Congress was unable to come to an agreement on spending priorities for the current fiscal year (2011), since last year Congress has passed several short-term continuing resolutions (CRs) that provided Members of Congress with more time to debate priorities while avoiding a shutdown of the federal government. The current CR expires on March 4, and while the House passed a new CR, the Senate still must debate and approve the legislation. Surveying the political landscape, it appears that a shutdown of the federal government is indeed likely after next week or in the near future – here’s why:

The House-passed CR (H.R.1) would last for the remainder of the current fiscal year, alleviating the need for additional CRs. However, the Republican-controlled House included about \$61.5 billion in cuts from FY 2010 spending levels, and is \$99.6 billion less than President Obama requested for FY 2011.

Democratic Senators – who control the Senate by a slim majority – have come out in strong opposition to the cuts in the House-passed CR. The result is that the Senate will likely introduce, and seek to pass, its own or amend the House CR to include fewer cuts. If this occurs, a conference committee may be created to work out differences between the two CRs. Conference committees are made up of House and Senate leaders and are rarely used for CRs, as CRs are typically less controversial stopgap measures that for the most part continue current funding levels with little change – unlike the CRs being debated in the current Congress.

Recognizing that it may take longer to work out a CR for the rest of the fiscal year, House Republicans have proposed a two-week CR, which would include up to \$4 billion in immediate cuts for the current fiscal year. Senate Democrats have indicated support for another short-term CR with cuts, while they work on a funding bill for the rest of the year, however there still appear to be considerable differences between the desires of House and Senate Members on this issue, and the mood on the Hill seems to have shifted from how to avoid a government shutdown to which party would suffer the most in public opinion.

For more information on the House and Senate spending plans, please visit the House and Senate Appropriations Committee Webpages at <http://appropriations.house.gov/>, and <http://appropriations.senate.gov/>.

[Solar Decathlon to Remain on National Mall in 2011](#)

A major win for ASHRAE and Solar Decathlon participants occurred this week when the U.S. departments of Energy and Interior announced that the 2011 Decathlon would remain on the National Mall. The event will be moved from its original location on the Mall – between the U.S. Capitol and the Washington Monument – to the National Mall’s West Potomac Park, on the banks of the Potomac River along the path between the Lincoln and Jefferson Memorials. The 2011 Decathlon will be held in Washington, DC from September 22 - October 2.

Until this announcement the departments of Energy and Interior had announced the Decathlon would be moved to another location that was yet to be determined, because of concern over the wear and tear of the Decathlon on the Mall and because the event conflicted with the Library of Congress’ National Book Fair.

Upon hearing of the sudden proposed move, ASHRAE sent a sign-on letter to President Barack Obama and Interior Secretary Ken Salazar requesting that the Decathlon remain on the Mall in 2011, with the possibility of exploring other venues in subsequent years. This letter was sent on behalf of the High-Performance Building Congressional Caucus Coalition, which ASHRAE Chairs, with the support of several organizations representing over 300,000 engineers, architects, manufacturers, code officials, and other building industry professionals.

The U.S. Department of Energy Solar Decathlon is a competition that challenges collegiate students from across the globe to design, build, and operate solar-powered houses that are affordable, highly energy-efficient, attractive, and easy to live in. During the competition, 20 homes from 16 domestic and four international collegiate teams will undergo extensive testing and expert judging in ten different contest categories. The winner of the competition is the team that best blends affordability, consumer appeal, and design excellence with optimal energy production and maximum efficiency. This will be DOE’s fifth Solar Decathlon; previous events were held in 2002, 2005, 2007, and 2009.

The Solar Decathlon provides participating students with unique training and is a free, popular public event, open to visitors who come to see the designs and learn about money-saving clean-energy solutions for their own homes.

For additional information, please see the Decathlon’s press release at <http://www.solardecathlon.gov/blog/archives/731>. If you would like a copy of the sign-on letter, please email Mark Ames at mames@ashrae.org.

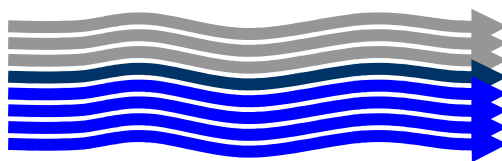
Job Postings & Help Wanted



This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Newsletter Editor, Christina Walter (585.486.2148) or by email cmwalter@trane.com

This service is available to any firm in our industry looking for knowledgeable persons in the HVAC&R industry.



R.F. PECK CO., INC

889 ATLANTIC AVE
 ROCHESTER, NEW YORK 14629
 Phone: (585) 697-0836 Fax: (585) 697-0839

Job Title: **HVAC Estimator**

The R.F.PECK.CO., Inc is a commercial HVAC manufacturer's representative firm who has been in business for over 50 years. We specialize in the distribution, filtration, measurement and control of airflow, as well as heating, ventilating and air conditioning equipment sales. Through our affiliation with quality manufacturer's, we offer support to architects, engineers, designers and contractors by providing high quality equipment, competitive pricing and prompt service.

Our continued success has created a need for an additional inside sales/estimator in the Rochester, New York area.

We require an energetic and driven person that has engineering background or HVAC experience that is willing to grow into this position. The job consists of: mechanical blueprint reading, takeoffs and submittal preparation. We offer training and a competitive payment and benefits package.

Email resume to jbrowe@rfpeck.com.

2010-2011 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	250	0	645	415	325	0	110	1495



Society News: User's Manual Provides Guidance on Ventilation Standard, New 'Must Have' Spreadsheet

ATLANTA –The newest guidance for using Standard 62.1-2010 includes a revised, user-friendly spreadsheet and examples, as well as the latest updates pertaining to the new version of the standard.

The 62.1 User's Manual provides explanatory material, detailed information, figures and examples to guide users in designing, installing and operating buildings in accordance with ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, which sets minimum ventilation rates and other requirements for commercial and institutional buildings.

Also highlighted is the application of useful tools used for compliance with Standard 62.1-2010, including a newly revised spreadsheet

that assists in Ventilation Rate Procedure calculations. The spreadsheet provides calculations for the multiple spaces procedure and has been significantly improved, made more user friendly and now includes two example spreadsheets focusing on cooling and heating.

"The spreadsheet and new examples have been revised in response to user feedback and have much improved usability," Roger Hedrick, chair of the Standard 62.1 committee, said. "The spreadsheet should significantly reduce the effort needed to perform the calculations needed for multizone recirculating systems. The spreadsheets are a must have for designers."

The Manual encourages users of the standard to apply the principles of good indoor air quality and effective ventilation when designing buildings and building systems, and provides

useful reference material to assist designers in efficiently completing a successful and compliant design.

The cost of the 62.1 User's Manual is \$75 (\$64 ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

Disclaimer

"ASHRAE has compiled this publication with care, but ASHRAE has not investigated, and ASHRAE expressly disclaims any duty to investigate any product, service, procedure, design or the like which may be described herein.

The appearance of any technical data, editorial material, or advertisement in this publication does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, procedure, design or the like. ASHRAE does not necessarily agree with any statement or opinion in this publication. The entire risk of the use of any information in this publication is assumed by the user. Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission".

From the Editor's Desk

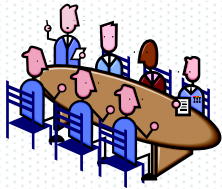
The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of it's members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be addressed to Christina Walter, Trane, 75 Town Centre Drive, Rochester, NY 14623 or email to cmwalter@trane.com

Reminder

Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add email, phone number, fax number, address correction, etc.





**AMERICAN SOCIETY OF HEATING, REFRIGERATING
AND AIR CONDITIONING ENGINEERS**

ROCHESTER N.Y. CHAPTER

BOARD OF GOVERNORS MEETING MINUTES

Meeting Date: 2/11/2011

President	Jim Browe	X
President Elect/Program	Jeff Ellis	X
Vice President-Tech Session	Michelle Sommerman	X
Secretary	Rob Wind	
Treasurer	Ed Burns	X
Membership	Phil Masters	
Immediate Past President/CRC	Jeff Davis	
Newsletter	Christina Walter	X
Attendance	Tim Duprey	X
Awards/Student Activities	Al Rodgers	X
Buyers Guide	Chuck White	
Historian	Lee Loomis	X
Board of Gov. (3)	Jeff Close	X
Board of Gov. (3)	Phil Masters	
Board of Gov. (2)	William Murray	
Board of Gov. (2)	Tim Duprey	X
Board of Gov. (1)	Christina Walter	X
Board of Gov. (1)	Eric Smith	X
Web Site	Kevin Wind	
Refrigeration	Mike Nohle	X
Picnic	Ed Burns	X
Nominating	Joe VanCura	
Valentine's Dinner Dance	Jody M. McGarry	
CTTC Chair	Jeff Davis	
YEA	Jalmea Reynolds	



Roll Call: The above noted individuals were present.

Call to Order: 12:010

Minutes: BOG Meeting Minutes were accepted with a change to the Next BOG date. Should have been 2/11/11.

- **Treasurer's Report: Ed Burns**
 - Report attached
 - PayPal.
 - o PayPal is up and running, 30+ attendees for February meeting have used it.
 - Charles Lynch Fund.
 - o The signatures sheet was passed around. Still need Jeff Davis to sign it.
 - o Discussed distributions from the fund. Would like to distribute the money soon. To be discussed under Student Activities.
 - Jim Browe will email MMB to ask about not-for-profit limits and report to board.
 - Check book balance is large due to income for the Valentine Dinner Dance – upcoming bills are...Dinner Dance (Max), laptop, Buyers Guide
 - Chapter Dues – continue status quo – Society collects chapter dues and gives a check to the chapter.

- **Technology Transfer: Jeff Davis (absent)**
 - Jeff D will update the MOPS to include the new committee, BSUG (Building Simulation User Group). TT will oversee the committee.

- **Program/Tech Session: Jeff Ellis / Michelle Sommerman**
 - No Changes to the meeting schedule. (attached)
 - March program (Gordon Holness) has been submitted for PIE PDH review.

- **Membership: Phil Masters (absent)**
 - 239 current members.
 - No new members this month.

- **Attendance: Tim Duprey**
 - January had 80 paid attendees (attached)
 - On track for 82 attendees for 2/14 meeting.
 - Pay pal appears to be working well, have a few attendees already paid for March meeting.

- **Student Activities/Awards: Al Rodgers**
 - Two tours were successful.
 - o Caulkins Road Wegmans store to review total energy system.
 - o Infotronics in Canandaigua.
 - RIT Student Chapter is very active
 - Some tours are in planning for the future. Students like tours vs. speakers.
 - Thank you to Trane for the donation of psychometric charts and duct-wheels!
 - Discussed distributions from the Charles Lynch scholarship fund
 - o Giving scholarship money to students is not feasible given the strict guidelines on tuition assistance from the government. Scholarship \$\$ can decrease a student's total aid.



- o Board needs to change the Bylaws to change the fund from "Scholarship" to "Support Student Activities"
- o Possible ideas...send students to the ASHRAE Show, Expo, sponsorfield trips/tours, scholarship for seniors only, back-to-school or graduation packages for student members(i.e. with ASHRAE handbooks, gift cards)
- Awards – Al has awards to present @ Monday's meeting. **All officers – please update your ASHRAE bios! He will be sending around info on the Chapter and regional service awards in the next few weeks.**

- **YEA:** Eric Smith
 - See attached

- **Research:** Jeff Close
 - Gearing up for the RP meeting in March. Need to make some phone calls, get donors on board.

- **Refrigeration:** Mike Nohle
 - Tour set up of Church Road Farms
 - Mike will send Chris an outline of the evening to publish in the March newsletter.

- **Newsletter:** Christina Walter
 - March articles are due 2/25/11.

- **Buyers Guide:** Chuck White (absent)
 - Chuck, Kevin W and Jim met last week. Kevin is putting together the format. It is coming along nicely.

- **Historian:** Lee Lomis
 - RES will not be renting space to other organizations anymore so...Lee will take an inventory of the chapter's materials and present to the board at the next meeting. The chapter will need to develop a plan for future storage.

- **Website:**
 - No report.

- **Nominating:**
 - No Report.

- **Picnic:** Ed Bums
 - All set for Ravenwood, Dinosaur BBQ, nice happy hour like last year.
 - Jim and Ed are on the committee. They will work to get a good number of sponsors signed up like last year to cover all expenses.

- **Valentines Dinner Dance:** Jody McGarry (absent)
 - Have a great response – 180 signed up (usually around 90).
 - MAG is set with a cocktail reception, open gallery hours, open gift shop, dinner, desserts.
 - Dave Meyer is set to speak about Lynn.

- **New Business:**
 - Committee will form to explore a procedure for posting of resumes & job posting in the newsletter – Jim, Chris and Jeff E. Will present idea at the next BOG meeting.

- Discussed use of ASHRAE member email distribution list. The chapter will post other organization's meeting notices in the electronic newsletter when it would benefit or be of interest to ASHRAE membership. Other organization's meetings will be announced at ASHRE meetings. The ASHRAE distribution list will not be used to send notifications to the membership for non-ASHRAE business.

➤ The Next BOG Meeting is at 12:00 PM on 3/11 at R.F. Peck Company

➤ The meeting was adjourned



ASHRAE WEBCAST

April 21, 2011 – 1:00 p.m. – 4:00 p.m. EDT

“Ground Source Heat Pump Systems: Putting the Earth to Work for You”

ASHRAE's Chapter Technology Transfer Committee with support from **ClimateMaster, Mammoth, Taco, the International Ground Source Heat Pump Association**, and the **ASHRAE Foundation** will present a **free** Webcast, “**Ground Source Heat Pump Systems: Putting the Earth to Work for You**” on **Thursday, April 21, 2011**. The program will be archived online until **May 5, 2011** for those unable to participate in the live webcast. Registration will be required to view the archived program.

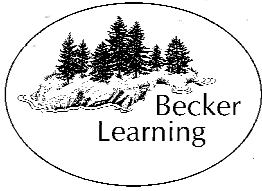
Hear from leading heat pump experts how site, climate, building, HVAC system and ground characteristics affect ground heat exchanger design, how ground source system design enhances efficiency, and how to avoid design and operations pitfalls. This free webcast is brought to you by the Chapter Technology Transfer Committee and sponsored by **ClimateMaster, Mammoth, Taco, International Ground Source Heat Pump Association**, and the **ASHRAE Foundation**.

Online Registration begins March 21, 2011

To add a registration reminder to your Outlook and find additional information regarding the program and presenters, visit www.ashrae.org/GHPwebcast.

If you have any questions or need assistance, please call (678) 539-1200 or email ashrae-webcast@ashrae.org.

Thank you for supporting ASHRAE webcast programs.



Your technical training provider presents... **Air Conditioning Fundamentals 2011**

Target Audience: Essentially anyone who wants to broaden their base in the fundamentals will greatly benefit from this training.

[] Engineer: Sales, Consulting, Designer, Draftsman

[] Non-Engineer: Technical Assistant, Application Specialist, Project Manager, Technician, Contractor, Estimator

Primary Benefit: Students will enjoy learning as much practical knowledge as possible about Air Conditioning Fundamentals. Students won't waste a great deal of time in theory. The typical student can immediately apply what he/she learns upon returning to their office. Past attendees have boosted their overall confidence and found many ways to apply their recently acquired knowledge.

2011 Course Offerings (Rochester, NY): (these classes are 3-days; Tuesday - Thursday)

[] Mar 15-17 'Airsides Fundamentals-II' (Duct Design, Fans & Fan Laws & Acoustics)

[] Apr 12-14 'Refrigeration Fundamentals' (Refrig Basics, Refrig Piping, Refrig & Our Environment)

[] May 10-13 'Systems Fundamentals' (HVAC Systems, Dehumidification, IceStorage-LowTempAir, Bldg Pressurization)

[] Jun 14-16 'Energy Efficient Design Fundamentals' (Chiller-Side, Air-Side, System Controls, Energy Recovery)

[] Aug 9-11 'Product Fundamentals' (AHU, WSHP, RTU, Chillers, Fan Coils, UV)

[] Sep 20 - Oct 25 'Introduction to Air Conditioning Fundamentals' (6-Tuesday evening series covering each of the above topics in a 3-hour 'big-picture overview')

Note: For more information about each of these classes, log onto BeckerLearning.com

Registration Deadline: Each course will be filled on a first-come-first-reserved basis.

Payment Deadline: Complete Payment must be received prior to the start of the class.

Contact: Joe Becker, Becker Learning / 5980 Sheppard Road / Dansville, NY 14437
Phone: (585) 317-0000 Email: Joe@BeckerLearning.com

More Details for 3-day courses:

Where: We will hold the 3-day classes at the Homewood Suites Hotel at 2095 Hylan Drive, Henrietta, NY 14623. You may reserve a room for the Becker Learning rate of \$104/night by calling (585) 334-9150 and telling them you are part of the Becker Learning group.

Time: We will start each morning at 8:00 AM and end by 5:00 PM (except Thursday when we end by 4:00 PM for travelers)

Food: Lunch, mid-morning and mid-afternoon snacks & drinks are provided.

What is not included: Transportation, other meals & lodging.

Travel: Arrival: Since the seminar starts at 8:00 a.m., plan to arrive the night before.

Departure: You can book flights out of Rochester International Airport as early as 5:15 p.m. on Thursday since our Henrietta, NY location is less than 10-minutes from the airport.

More Details for 6-night Fall Intro Series:

Where: The specific Henrietta, NY location will be decided at least 30-days before the class & attendees will be emailed the appropriate information with plenty of notice. The class will run from 5:00 - 8:00 pm. No meal is provided, so attendees should catch dinner before the class starts.

Registration: Please fill out this form for each person attending, and mail along with a Check or Purchase Order (made out to 'Becker Learning') to:

Becker Learning / 5980 Sheppard Road / Dansville, NY 14437

2011 Courses:	<input type="checkbox"/> Airside-II	<input type="checkbox"/> Refrigeration	<input type="checkbox"/> Systems
(check all that apply)	<input type="checkbox"/> Energy Eff. Design	<input type="checkbox"/> Products	<input type="checkbox"/> Fall 6-night Intro Series
Name: _____	Title: _____		
Company Name: _____			
Address: _____			
Phone:() _____		Email: _____	

Type	# of Courses	\$/course	Total Cost \$	Check # or PO #
3-day		\$1,100		
6-night		\$550		

Authorizing Person

Printed Name	Signature	Date

***If a PO is given, full payment must be received prior to the first day of class.

Cancellation Policy:

If someone cancels 60-days prior to the start of the class => no cancellation charge.
 If someone cancels 30-60 days prior to the start of class => 50% cancellation charge
 If someone cancels less than 2-weeks before the start of class, or simply doesn't show up => charged the full amount

Teaching Methodology:

Similar to the way Joe taught nine classes in the Graduate Training Program of The Trane Company, students will learn a concept and then immediately apply this new knowledge with an application problem. Quiz/testing will also be used to measure the overall effectiveness of the teaching. In this way, the program receives continual improvement through direct feedback.

About the Instructor:

Joe Becker is a graduate of the University of Wisconsin-Madison with degrees in Naval Science and Industrial Engineering (1979). He is also a Graduate from the U.S. Naval Nuclear Power School at Mare Island, California (1975). Joe is a registered Professional Engineer.

After nine years in the Navy, Joe resigned his Commission in the Civil Engineer Corps. Since graduating from GTP's class of 83-II, he worked as a Systems Engineer in C.D.S., Marketing Engineer in the Variable Air Volume Product Group, Manager of Technical Training in GTP, Sales Engineer, Sales Manager in Rochester/Syracuse & Regional Sales Manager for the NE Territory.

Joe currently works part-time for Trane's NE Territory and provides technical training through Becker Learning.



Good day and welcome to ASHRAE's Member's First Newsletter (MFN). The Members First! Newsletter is issued quarterly to provide highlights of ASHRAE technical activities and results from our Technology Council meetings, in order to keep all members informed. Our goal is to make the work of the technical side of ASHRAE open to all ASHRAE members.

If you have technical questions for ASHRAE, please contact Steve Hammerling, Assistant Manager of Research and Technical Services, at 678 539-1158 or via email at shammerling@ashrae.org.

Your feedback is welcome and encouraged! Please write to Ross Montgomery, Vice Chair, Technology Council at rossmont@aol.com.

ASHRAE Member's First Newsletter; Highlights as of March 2011

- **Document Review Committee**
 - ✓ Position Documents Status/Updates
 - ✓ New Refrigerants Management Program Ad Hoc Committee
 - ✓ New "Emerging Issue Brief" regarding "Ozone and Indoor Chemistry".
- **Refrigeration Committee (REF)**
 - ✓ An update on REF activities
 - ✓ George C. Briley ASHRAE Journal Article Award
 - ✓ Ad Hoc Committee to promote refrigeration at the chapter level
 - ✓ Refrigeration Technical Committee (TC)
 - ✓ New "Refrigerants Management Program" Ad Hoc Committee
 - ✓ May 1, 2011 submission deadline for the Milt Garland and Comfort Cooling awards
- **Research Administration Committee (RAC)**
 - ✓ Grant-in-Aid (GIA) award recipients
 - ✓ The 2011-2012 Life Member Club grant recipients
 - ✓ RAC Work Statement approvals
- **Environmental Health Committee(EHC)**
 - ✓ Update on ozone air cleaning for HVAC Systems
 - ✓ US Veterans Administration and the Malaysian Ministry of Health are in discussions with EHC.
 - ✓ Updates on Several Position Documents
- **Standards Committee (StdC)**
 - ✓ The Phase II refinements of the Online Comment Database
 - ✓ Updates on Standards, Users Manuals, and the Facility Smart Grid Information Model
 - ✓ The refined UML model public review
- **Technical Activities Committee (TAC)**
 - ✓ Information on the formation of the Multidisciplinary Task Group or MTG

Document Review Committee (DRSC)

Members First Newsletter March 2011

We have had a very busy New Year and spring season in this committee.

Just to remind you about our definition: *An ASHRAE "Position Document" is a BOD-approved document expressing the views of the Society on a current issue of importance to ASHRAE and its members. It includes a concise summary statement as well as supporting documentation, analysis and/or rationale, and recommendations. The purpose of these documents is to provide objective, authoritative background information to persons interested in issues within ASHRAE's expertise, particularly in areas where such information will be helpful in drafting sound public policy.*

We are working on the following new Position documents:

The Environmental Health committee will be naming a chairman soon and is starting work on a new Position Document, the topics of "Air Filtration and Cleaning".

Chairman Mark Case and his full committee are working on our new "Energy" Position Document. We plan to add at least one more member to his group.

Under chairmanship of Lew Harriman, our Position Document Committee, "Managing Indoor Mold Problems through Managing Moisture in Building Systems", is working and expecting its first draft soon.

The new Position Document Committee named "Building Safety and Security", under the chairmanship of Scott Fisher, is beginning their work to inform ASHRAE members, policymakers and the building industry about the impacts of HVAC&R systems on building safety and security, and how system design and management can enhance the safety and security of building occupants.

The Position Document Committee, "Refrigerants and their Use in the Built Environment", under chairmanship of William Walters, had their first meeting in Las Vegas. Their purpose is to inform ASHRAE members, policymakers and the building industry about the major issues related to the use of refrigerants in HVAC&R equipment and systems, and to complement other Position Documents that have narrower aspects of refrigerant applications. The committee will consider all refrigerant classes in a balanced manner. The plan is to limit discussion to refrigeration applications, (i.e., such as excluding other applications of refrigerant materials as blowing agents, solvents, fire suppressants). Also discussed will be all major technical and policy considerations for refrigerant selection and use.

The new Ad Hoc Committee, "Refrigerants Management Program", was recently launched. Chairman Danny Harel gave the Technology Council a presentation on its purpose and schedule. Its scope is to develop a concept for a refrigerant management program and specify actions. The development of the program can be supported by ASHRAE. Refrigeration and air conditioning applications are growing worldwide; since they are critical contributors to the health, comfort, and welfare of humanity. However, the use of refrigerants in these applications can have consequences for the environment (as occurred with the early CFC and HCFC refrigerants) if the refrigerants are not managed throughout their lifecycle. Proactive steps in the handling and use of refrigerants will be necessary to minimize these impacts, and to ensure that refrigerants, whether synthetic or naturally

occurring, can continue to provide these important services as demands grow. The goal of this committee is to develop a concept for a refrigerant management program and specify actions which ASHRAE can take to support development and implementation of the program.

We are looking at starting more Position Documents in the near future; perhaps the Environmental Health Committee will bring forward one named "Environmental Health in Green Buildings".

Environmental Health Committee has produced a new "Emerging Issue Brief" regarding "Ozone and Indoor Chemistry". More of these can be seen at <http://www.ashrae.org/members/page/189>.

Vice-President Ross D.
Montgomery, Vice Chair of
Technology Council

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Refrigeration Committee (REF)

Members First Newsletter March 2011

At the Las Vegas meeting, REF's Consultant, Don Siller, gave a presentation to the Chapter Technology Transfer Committee updating them on REF activities. His presentation was well received and is now available on the REF webpage. CTTC and REF will form an Ad Hoc Committee to advance refrigeration at the chapter level and to identify opportunities for REF to support the chapters with their refrigeration needs. If you have any suggestions, we welcome all input. Send your comments to REFChair@ashrae.net.

Also at the Las Vegas meeting, REF awarded the George C. Briley ASHRAE Journal Article Award to Richard Royal. Royal was recognized for his article "Heat Recovery in Retail Refrigeration" which was judged by the Refrigeration Committee as the best refrigeration-related article published in the ASHRAE Journal during the 2009-2010 Society Year. The article is in the February 2010 ASHRAE Journal and is available at the ASHRAE website.

REF has developed a Refrigeration Technical Committee (TC) Activities report to be used for Chapter outreach. The Refrigeration TC Activities report will show which TC's are cognizant over the various refrigeration standards and handbook chapters, so that if a member has a suggestion or question, they will know who to contact. It will also provide information on recent and upcoming refrigeration programs and research, so that members can see the latest topics of importance to the TCs. The report will have hyperlinks to connect the member to the TC's webpage, to the bookstore to purchase a standard or final research report, or to the meeting program to see speakers and presentation titles. This report is being completed now and will be rolled out in the next few weeks.

Remember that submissions for the Milt Garland and Comfort Cooling awards are due by May 1st. The new submission format includes a cover form, similar to the forms required by the other technology awards. The cover form includes the required release information from the owner, and requires the Chapter and Owner information which REF will need to ensure that the Chapter with the winning submission gets their recognition, as well as the plaque, to present to the owner.

Information on the award procedures can be found at REF's webpage:

<http://www.ashrae.org/refrigeration>. The webpage also includes some introductory and background material on these awards to assist members in securing the participation of owners or others who's permission is needed for the submission.

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Research Administration Committee (RAC)

Members First Newsletter March 2011

I'd like to begin by thanking you for your contributions to ASHRAE research. One of the extremely important uses of ASHRAE research funds is for Grant-in-Aid (GIA) awards that provide \$10,000 grants to graduate students, who are pursuing research on topics of importance to ASHRAE. Since it began in 1968, the GIA program has provided over 500 awards to graduate students. Many of the awardees have made and continue to make significant contributions within ASHRAE research, publications, and other technical activities, including some who might be familiar to you: Charles Dorgan, Maureen Grasso, Daryl Erbs, Jeffrey Spidler, Moncef Krarti, James Braun, John House, Patrick O'Neill, Gregor Henze, Jelana Srebric, Chad Dorgan, Travis Horton, Jeffrey Siegel, Haorong Li, Atila Novoselac, and Athanasios Tzempelikos. The investment that ASHRAE makes in the GIA awardees helps to build a strong foundation for the future by engaging these students in ASHRAE technical activities at an early stage of their career.

At this past Winter Meeting, RAC received 66 GIA applications and made 22 awards to the following students, who will undoubtedly contribute to the future of ASHRAE and the HVAC&R industries:

Bikash Acharya	University of Maryland
Aleksandar Andelkovic	Technical Science Novi Sad
Simgé Andolsun	Texas A&M University
Stephen Bourne	University of Texas
Howard Cheung	Purdue University
Jordan Clark	University of Texas
Brian Fronk	Georgia Institute of Technology
Caroline Hachem	Concordia University
Vibhas Jha	University of Maryland
Kyle Konis	University of California-Berkeley
Abhinav Krishna	Purdue University
Ki Sup Lee	Purdue University
Shichao Liu	University of Texas
Wei Liu	Tianjin University
Raphael Mandel	University of Maryland
Peter May-Ostendorp	University of Colorado
Amanda Nagavarapu	Georgia Institute of Technology
Kashif Nawaz	University of Illinois
Amanda Pertzborn	University of Wisconsin Madison
Sugirdhalakshmi Ramaraj	Purdue University
Miao Wang	Purdue University
Feini Zhang	University of Illinois

Aleksandar Andelkovic and Amanda Nagavarapu hold the added distinction of being named the 2011-2012 Life Member Club grant recipients as the top one and two rated applicants, respectively. These two grants are supported by a financial contribution from the club.

RAC also selected a Homer Adams and New Investigator awardees at the Winter Meeting. The Homer Adams Award is for a graduate student who is performing research under an ASHRAE

research grant. Sebastian Herrman was selected from a total of three nominations this year to be the 2010-2011 Homer Addams Award recipient based upon his work on ASHRAE research project RP-1485 "Thermodynamic Properties of Real Moist Air, Dry Air, Steam, Water, and Ice". Five nominations were received for the 2011-2012 New Investigator Award to support tenure-track Professors beginning their careers. Anthanasios Tzempelikos of Purdue University was selected as the recipient of this distinguished award.

Steven T. Taylor of TC 4.3 (Ventilation Requirements and Infiltration) received the Service to ASHRAE Research Award for his extensive contributions to all aspects of the TC's research program.

RAC expects to release 17 RAC-approved work statements that have been on-hold due to funding constraints. Five other projects remain in the on-hold category until additional funds can be made available.

James E. Braun, RAC Chair

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Environmental Health Committee (EHC)

Members First Newsletter March 2011

The primary purpose, of using energy and resources for buildings, is to keep indoor environments healthy, comfortable and productive, as we strive for sustainability, energy and resource conservation, and making buildings green.

One of the primary purposes of the Environmental Health Committee (EHC) is to keep this message in the forefront as building performance laws, regulations, metrics, labels, and other efficiency goals are developed and disseminated.

This will help avoid a repeat of the experience of the 1970s, where reduced ventilation and increased building tightness, resulted in a dramatic increase in building-related symptoms and diseases. In fact, ASHRAE's Board of Directors created EHC in the mid-1980s, to provide guidance, in response to this.

ASHRAE can continue to play a leadership role by using its highly respected voice in building energy matters to provide the most effective and meaningful metrics and tools to evaluate IEQ in any programs intended to reduce energy, particularly in existing buildings. EHC pursues these goals with specific actions and work, for instance:

- A literature and product review, and cost benefit analysis of ozone air cleaning for HVAC Systems was recently approved; which will help designers make sure that outdoor ventilation air makes the building healthier (Work Statement 1491-WS).
- Groups, as diverse as the US Veterans Administration and the Malaysian Ministry of Health, are in discussions with EHC concerning possible research to evaluate what ventilation strategies are truly effective at reducing the risk of airborne infectious disease transmission.
- Research priorities, such as the one on airborne infectious disease, mentioned above, are often driven by what ASHRAE calls Position Documents (PDs). Therefore the development of these PDs is often an important step. For this and other reasons, EHC has several in various stages of development and revision.

- A revision of the current position document on, "Minimizing Indoor Mold Problems Through Management of Moisture in Building Systems", is currently under way and is being led by Lew Harriman.
- What filtration products really make a difference and are there some that can actually do harm (ozone generators come to mind) to the building environment? Are terms like air purifier used too casually and what do products that use this term actually do? An Air Filtration and Cleaning Position Document scope, under the leadership of Pawel Wargocki, was recently approved to set research priorities and educate members, the public and policymakers about these issues.
- A re-write of the IAQ Position Document, led by Steve Emmerich, is close to presentation to Technology council for approval. I know this PD will be very important to maintain focus on the indoor environment as industry, governments and the public work towards greater efficiency.

For more information about these or any other EHC activities, please do not hesitate to contact me, other EHC members or the individuals mentioned above.

Larry Schoen, EHC Chair

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Standards Committee (StdC)

Members First Newsletter March 2011

The Phase II refinements of the Online Comment Database were successfully demonstrated at the PC Chair's Breakfast in Las Vegas. The changes shown included the new sorting features, the save comment draft feature, the withdraw comment feature, and the export/import of comments feature. The intent is to begin testing in mid-spring, so that the system will be available for committee use after Montreal. Requests for volunteers to test the new system will be sent out later in the spring. The Standards Committee has developed a plan for improved training for project committee chairs to help them do their jobs better and more efficiently. The goal is to have the training materials completed by July 1, 2011. The training material will be posted on the website and the intent is to post recorded webinars. The Standards Committee also developed a presentation that describes the magnitude and scope of standards activities that will also be posted online.

The Standards Committee is continuing its work on revising its Manual of Procedures and creating a Reference Manual for the Standards Committee and Project Committees. The Standards Committee plans to submit them for approval by Montreal.

The Standards Committee and Board of Directors approved the following new project:
Standard 206P, Method of Test for Rating of Multi-Purpose Residential Heat Pumps for Space Conditioning Water Heating and Dehumidification.

The Standards Committee, Technology Council and Board of Directors approved co-sponsoring the development of BSR/SMACNA 02-201x, *HVAC Total System Air Leakage Manual*, with SMACNA being the lead organization.

SSPC 62.1, *Ventilation for Acceptable Indoor Air Quality*, the 2010 User's Manual is available for purchase in the ASHRAE bookstore.

Standard 90.1-2010, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, the 90.1-2010 User's Manual is also now available for purchase.

SPC 201, *Facility Smart Grid Information Model*, has been meeting regularly in order to meet its goal of submitting a draft for public review in April 2011. The key results of the Las Vegas meeting were:

- 1) completion and acceptance of the initial set of work assignments and establishing a common understanding of their content and significance,
- 2) adoption of software tools to enable collaborative development of a Unified Modeling Language (UML) model that will be a formal machine readable version of the information model,
- 3) the adoption of a high level framework for the structure of the information model, and
- 4) the creation of four new rapid development teams, each tasked with creating a UML model for one of the framework components by the end of February.

The vision for moving forward is for the rapid development teams to meet face-to-face for approximately two days to develop their portion of the model. An additional face-to-face meeting of representatives from all of these groups will be held in order to combine the results and make necessary adjustments for consistency. At this stage, expected by the end of February, the committee will have a straw man UML model that represents the draft standard. It will be presented to the SPC and refinements will be made as a result of the discussions. This refined UML model will be used to draft the proposed standard. The committee expects to have a draft ready for public review in April.

H. Michael Newman, StdC Chair

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Technical Activities Committee (TAC)

Members First Newsletter March 2011

More of the same from TAC? Could be...but no. There is a new committee called the Multidisciplinary Task Group or MTG.

An MTG is a committee formed to address key issues for ASHRAE. Previously, the Board of Directors and Technology Council created special groups to accomplish this task. The MTG will operate under the newly revised Technical Committee/Task Group/Multidisciplinary Task Group and Technical Resource Group Manual of Procedures (TC/TG/MTG & TRG MOP). This document provides a structure and guidelines for the new MTG committees as they are constituted. As of July 1, 2010, there were ten TC/TG/MTG & TRG Sections, 1 through 10. As of the Winter Meeting in Las Vegas, there are now eleven TC/TG/MTG & TRG Sections. The TAC Special Activities Coordinator is the MTG Section Head.

A MTG is initiated when the Society determines the need to address key issues that encompass the expertise from multiple TC Sections (at least two Sections and potentially more). The Technical Activity Committee (TAC) will be asked to form a committee with a defined scope encompassing these key issues. The TAC Chair will appoint the new MTG Chair, after consultation with the TAC Special Activities Coordinator and Technology Council Chair. The membership of the MTG will be determined by the new Chair and the identified TCs. Each participating TC will identify a Voting Member and alternate Members to be on the MTG. Each TC may only have one Voting Member but there is no limit to the number of alternate Members from each TC. It also is possible that the MTG may involve non-TC groups and each of these non-TC groups may add a Voting Member and alternate members. The appointment to a MTG has been established as a maximum of four-1 year terms. The MTG Chair will serve for two years with the potential for a third year, if so deemed for the good of the

Society.

So what can an MTG do? A MTG is expected to have specific defined responsibilities for Handbook, Program, Publications, Research and Standards. All pertaining to issues defined in their scope.

- The responsibilities of a MTG may include review of a Handbook chapter; the TC/TG/TRGs are responsible for content.
- They may provide support for TC/TG/TRG Programs for the committees that comprise the MTG.
- MTGs can create publications or support for TC/TG/TRG Journal articles and other Series publications.
- Research will generally be done through the TC/TG/TRGs that are included in the MTG.
- A MTG may request and support the need for a standard through the Standards Committee.

A MTG is expected to meet four times a year to conduct their business, just before and after the Annual and the Winter meetings. These meetings will occur by way of conference calls and/or web meetings. The timing of the meetings is intended to allow the MTG members to attend the meetings of their respective TC/TG/TRG and to report MTG activities.

A MTG is expected to report progress toward the goals of their defined scope to their Section Head at each Annual meeting. TAC will review their progress report and determine to continue or discontinue the MTG for the next year.

The operation of an MTG is similar to that of the TC/TG/TRG. The characteristics of the roster are different in order to include all TCs or other non-TC group or groups. The MTG will have a web site within the ASHRAE web site. The MTG roster update will occur at the same time as TC/TG/TRG roster update. One difference from the TC/TG/TRG is that a MTG voting member may designate an alternate member from his represented committee as his/her proxy in the event he/she cannot attend the MTG meeting. This is due to the restriction of only one voting member per committee that comprises the MTG.

The MTG is new, but the concept of a specialized committee is not new. The Society has appointed special committees in the past to address key issues. The difference is that now these special committees will be a MTG under TAC administration with guidelines and rules for operation included in the Technical Committee/Task Group /Multidisciplinary Task Group & Technical Resource Group Manual of Procedures.

ASHRAE President Lynn Bellenger has as an objective to increase the communication between TCs and membership in general. Networking outside one's own expertise often initiates new thoughts among those involved. The MTG is another way to enhance the networking among the many areas of expertise within ASHRAE.

And finally, as stated before, TAC is available to assist committees when issues arise. Contact your TAC Section Head whenever the need arises. It is TAC's goal to help you.

Charles C. Wilkin, TAC Chair

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