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ASHRAE Rochester



VOLUME 5, ISSUE 1

SEPTEMBER 3, 2010

It's your last chance for tickets!

ASHRAE CLAMBAKE

Topic: "State of the Art Construction Industry"

Presenter: Aaron Hilger, President
Builders Exchange of Rochester

When: September 13, 2010 at 5:00 PM

Where: Burgundy Basin Inn
1361 Marsh Road, Pittsford, NY 14534

Cost: \$25.00 plus \$6.00 per dozen
clams (No limit, Pre-order as many dozens
as you want)

Tickets must be purchased by
September 6 . No tickets will
be sold at the door. **See
clambake announcement
on page 5** of this issue for
specifics on how to make your
reservation.

Reservations are Required





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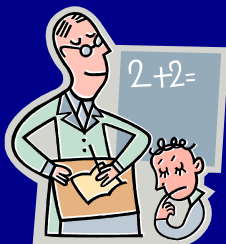
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ASHRAE 2010-2011 Meeting Schedule

Date	Event	pdh / Theme	Location	Schedule
09/13/10	Annual ASHRAE Clambake Aaron Hilger - Rochester Builders Exchange Upstate NY Construction Update	Membership Promotion	Burgundy Basin Inn	5:00 PM
10/11/10	Chris Crall - National Insulation Association Insulation, The Forgotten Technology	(1) pdh available	Mario's	12:00 PM
11/08/10	ASHRAE Distinguished Lecturer Daniel Nall - Flack + Kurtz ASHRAE Advanced Energy Design Guides	Donor Recognition (1) pdh available	Mario's	12:00 PM
12/13/10	John Hamilton - Chief Operating Officer TABB How TAB Affects Green Bldgs, IAQ, and Energy Loss	Membership Promotion (1) pdh available	Mario's	12:00 PM
01/10/11	Joint Meeting with Electrical Engineers Raj V. Rajan PhD, PE - VP Engineering Upstate PV - Solar Project Update	Student / YEA Night (1) pdh available	Mario's	12:00 PM
02/12/11	Annual ASHRAE Valentines Dinner Dance	-----	TBD	7:00 PM
02/14/11	Bruce W. Majer BRD Noise and Vibration Control, Inc.	Student / YEA Night (1) pdh available	Mario's	12:00 PM
03/14/11	ASHRAE Distinguished Lecturer Gordon V.R. Holness P.E. ASHRAE Standard 100 - Energy Conservation in Existing Bldgs	Research Promotion (1) pdh available	Mario's	12:00 PM
04/11/11	Refrigeration Night TBD	-----	Tour	Dinner
05/17/11	Annual ASHRAE Golf Outing and Picnic	-----	Ravenwood Golf Club	9:30 AM Golf 4:30 - 8:00 Picnic



President's Message

I am very excited to be starting a new ASHRAE year. We have new officers and some new committee chairs in addition to old and new members who have quality ideas for this upcoming year. I would like to thank the following members up-front for their services this upcoming year.

- Jim Ellis, President Elect/Program/RES Rep
- Michelle Sommerman, Vice President/Tech Session
- Rob Wind, Secretary
- Ed Burns, Treasurer/ Picnic/Golf
- Jeffrey Davis, Immediate Past President/ CRC/CTTC/ Technical, Energy, Gov't Act
- Joe Van Cura, 2nd Past President/ Nominating Committee Chair
- Jeff Close, Board of Governors (3rd Year)/ Research Promotion
- Phil Masters, Board of Governors (3rd Year)/ Membership Promotion
- Bill Murray, Board of Governors (2nd Year)
- Tim Duprey, Board of Governors (2nd Year)/ Attendance
- Christina Walter, Board of Governors (1st Year)/Newsletter Editor
- Eric Smith, Board of Governors (1st Year)/ YEA Committee
- Lee Loomis, Historian
- Al Rodgers, Student Activities Committee Chair/Awards Committee Chair
- Kevin Wind, Webmaster
- Mike Nohle, Refrigeration Committee Chair
- Jody Monaco McGarry, Valentines Dinner Dance Committee Chair

- Chuck White, Buyer's Guide Committee Chair
- Lynn Bellenger, Society President
- Peter Oppelt, Regional Vice Chair Program

Jeff Ellis & Michelle Sommerman have put together an exciting list of programs and we will work hard on getting most of these presentations PDH approved.

I would like to thank Jeff Davis for his leadership during his term as President and his continued support of the ASHRAE Rochester chapter. I hope that you will find this year personally and professionally beneficial and if you have any ideas or comments please do not hesitate to contact me at jbrowe@rfpeck.com.



Jim Browe, 2010-2011 President



ASHRAE CLAMBAKE



When: September 13, 2010
 Where: Burgundy Basin Inn
 1361 Marsh Road Pittsford NY 14534
 Time: 5:00 P.M.
 Cost: \$25.00 plus \$6.00 per dozen clams
 (No Limit, Pre-Order as Many Dozen as You Want)

Tickets must be purchased by September 6th. No tickets sold at the door.

“State of the State” Construction Industry

Presented by:

Aaron Hilger
President
 Builders Exchange of Rochester

Aaron Hilger is President of the Builders Exchange of Rochester. His activities include government relations, labor relations, and economic development. Mr. Hilger is active in numerous trade associations and is Managing Director of the Construction Industry Association of Rochester, Executive Director of SMACNA Rochester and Executive Director of the Rochester Roofers Industry Fund.

The presentation will focus on what is (and what isn't) going on in Albany as it relates to the construction industry and Aaron will give us his “crystal ball” view of what the future may hold. Please bring questions with you as Aaron will make time available to answer them.



Walnut Grove Pavilion - Burgundy Basin Inn

Directions:
 Take 490E to Exit 27 Bushnell's Basin. Turn right onto Pittsford Victor Road / Route 96. Take 2nd right onto Marsh Road. Burgundy Basin is over canal bridge on left.

Buffet Menu: Sliced Beef BBQ on Bun, Chicken BBQ, Baked Beans, Salt Potatoes, Cole Slaw, Macaroni Salad, Southwest Bean Salad, Assorted Relishes, Coffee, Iced Tea, Beer, Soda

If you have questions contact Kacie at R.F. Peck at (585)697-0836 ext. 105 or e-mail to khoffman@rfpeck.com

Non- ASHRAE Members are Welcome!

Cut Here

Make check out to **Rochester Chapter of ASHRAE** and mail with completed form to:
 ASHRAE Clambake, Attn: Kacie, R.F. Peck Co., Inc. 889 Atlantic Avenue Rochester, NY 14609

Name: _____ ASHRAE Member Yes No
 (Circle one)

Company: _____

Address (where tickets are to be sent): _____

City: _____ State: _____ Zip Code: _____

Number of Buffet Tickets: _____ x \$25.00 = Total \$ _____

Number of Dozen Clams: _____ x \$6.00 = Total \$ _____

Total Check Amount: \$ _____

Reservations must be mailed in by September 6th

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, 08/27/10

- [Rush Hour: Congress Returns from Recess in Two Weeks with a Full Plate and Then Some](#)
- [DOE Stokes the Site vs. Source Energy Debate](#)
- [Affordable Multifamily Housing Developments Receive Over \\$100 Million for Energy Efficient Renovations](#)



[Rush Hour: Congress Returns from Recess in Two Weeks with a Full Plate and Then Some](#)

The streets of Washington, DC are quiet now, the roaring city has slowed to a purr, and Capitol Hill staff are wearing jeans and sneakers to work – all sure signs that Congress remains in recess.

But don't let the summer daze fool you, in two weeks the House and Senate will reconvene, touching off a rush hour that will have Congress' legislative agenda clogged with activity.

Among the items that may be considered is a pared-down version of the energy bill. The bill (whose text and specifics remain very much in flux) will not likely include any building energy provisions. A push will be made to include the Building Star Energy Efficiency Act (H.R.5476/S.3079), which ASHRAE supports. This bill would allow for rebates to building owners to offset the cost of energy efficient upgrades for existing commercial buildings and multifamily residential buildings.

Also on the agenda will be the annual funding bills. The federal fiscal year ends on September 30, and because the House and Senate have not finalized any of the bills for fiscal year 2011, Congress will likely pass a continuing resolution (CR), which funds all or most federal programs at their current levels. The prospect of a CR is troubling, as the Office of Federal High-Performance Green Buildings within the General Services Administration may not be funded, since they received funding for the first time through the special circumstances under the American Recovery and Reinvestment Act (the stimulus bill).

It is important for this Office to be funded because of the unique role it plays in identifying opportunities to move federal buildings to higher performance.

ASHRAE is working with other groups in the building community to help expand awareness in Congress of this potential unintended consequence of passing a CR, and to include funding for this Office to avoid this scenario.



DOE Stokes the Site vs. Source Energy Debate

Through a notice of proposed rulemaking (NOPR), the U.S. Department of Energy (DOE) is proposing to change how it estimates the likely impacts of energy conservation standards for certain commercial and industrial equipment. Specifically, DOE proposes to use full-fuel-cycle (FFC) measures of energy and greenhouse gas emissions, rather than the primary energy measures it currently uses.

How might this impact ASHRAE? Currently energy cost calculations for determining criteria in ASHRAE Standard 90.1 are based on site energy. Standard 90.1 has been historically developed on a site basis because site versus source energy is more visible to building owners through utility meter readings.

By issuing this NOPR, DOE has stoked a long-smoldering debate between the powerful electric utility and gas interests, each of which believes that measuring energy use (and the metric for energy determining energy savings) should be done in a way that most benefits their respective industry (site for electric utilities and source for gas utilities – because of the inefficiencies associated with the conversion of thermal energy to electrical energy).

ASHRAE is keeping a close eye on this debate. For more information on this NOPR visit <http://bit.ly/9tZYhs>.

Affordable Multifamily Housing Developments Receive Over \$100 Million for Energy Efficient Renovations

The U.S. Department of Housing and Urban Development (HUD) recently announced that over \$100 million has been awarded to 100 affordable multifamily housing developments around the country to complete energy efficient renovations.

These projects are funded by the American Recovery and Reinvestment Act under HUD's Green Retrofit Program for Multifamily Housing.

According to HUD's press release:

The Green Retrofit Program is designed to create thousands of green jobs as workers retrofit older federally assisted multi-family apartment developments with the next generation of energy efficient technologies. Grants and loans provided through this program help private landlords and property management companies to cut heating and air conditioning costs by installing more efficient heating and cooling systems, and to reduce water use by replacing faucets and toilets. These Recovery Act funds also produce other environmental benefits by encouraging the use of recycled building materials, reflective roofing, and non-toxic products to reduce 'off-gassing' of potentially harmful fumes. Funds are awarded to owners of HUD-assisted housing projects and can be used for a wide range of retrofit activities, ranging from windows/doors to solar panels and geothermal installation.

For more information, including the full press release, visit <http://bit.ly/b7AvXR>.

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.



Introduction to Air Conditioning Fundamentals

6-weeks, Tuesdays from 5:00 - 8:00 pm, October 5 to November 9, 2010

Becker Learning is offering a six night series that will invest 3-hours per evening to introduce the 'big-picture' aspects of each set of topics shown below.

Target Audience: New technicians, designers, estimators, engineers, draftsman, project engineers or assistants - anyone who wants to gain a broader perspective.

Follow-up Training: Becker Learning offers a full 3-day course on each of these six topics. If you want to dig much deeper in any of these areas, feel free to sign up for the appropriate classes in 2011.

Location: TBA by Sept 21st (Henrietta area) **Cost:** \$495/person for all 6-classes

Day- 1: Airside Fundamentals- I

1. Load Design
 - A. Human Comfort
 - B. Cooling Load Estimation
 - C. Heating Load Estimation
2. Psychrometrics
 - A. Full Load Psychrometrics
1. Introduction to HVAC Systems
2. Improving Dehumidification in HVAC Systems
3. The Perfect Marriage: Ice Storage + Low Temp Air Systems
4. Commercial Building Pressurization

Day- 2: Airside Fundamentals- II

1. Duct Design
 - A. Press. Variations in a Duct System
 - B. Equal Friction Duct Design
 - C. Static Regain Duct Design
2. Fans & Fan Laws
 - A. Concepts
 - B. Fan Laws
 - C. Fan Types
 - D. Fan Modulation Methods
3. Acoustics
 - A. Concepts
 - B. Acoustic Rules of Thumb
 - C. Effectiveness of a Sound Barrier

Day- 3: Refrigeration Fundamentals

1. Basic Refrigeration
 - A. Basic Components
 - B. P-H Diagram (Pressure vs. Enthalpy)
 - C. P-V Diagram (Pressure vs. Volume)
 - D. Effect Of SST & SCT On Capacity
2. Refrigerant Piping
 - A. Primary Considerations
3. Refrigerants & Our Environment

Day- 4: Systems Fundamentals

Day- 5: Energy Efficient Design

1. Intro & Paradigms & Why Comfort
2. Design Strategies for better Energy Efficiency
 - A. Chiller Strategies:
 - B. Airside Strategies
 - C. System Control Strategies:
 - D. Energy Recovery

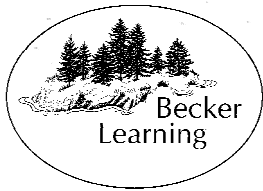
Day- 6: Product Fundamentals

1. Air Handlers
2. Fan Coils
3. Unit Ventilators
4. WSHP
5. Rooftops
6. Chillers

For more information, email

Joe@BeckerLearning.com

or call (585) 317-0000



Your technical training provider present s...
Intro to Air Conditioning Fundamentals

Fall 2010 Registration

6-Tuesday Evenings, October 5 through November 9, 2010 from 5:00 - 8:00
(Location TBA - in Henrietta Area)

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

- Becker Learning / 5980 Sheppard Road / Dansville, NY 14437
- Joe@BeckerLearning.com

Location: to be determined based upon attendance (in the Henrietta area)

Name:	
Title:	
Company Name:	
Company Address:	
Phone:	
Email:	

Cost of 6- class package:	\$495
----------------------------------	--------------

Name of Authorizing Person:	
Check #:	
*** P.O. #:	
Date:	

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

Cancellation Policy:

- If someone cancels 30-days prior to the start of the class => no cancellation charge.
- If someone cancels 15-30 days prior to the start of class => 50% cancellation charge
- If someone cancels less than 15-days before the start of class, or simply doesn't show up => charged the full amount

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

A special thank you for your support of the 2010 ASHRAE picnic:

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Twin City Fan
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Pipitone Enterprises
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Sustainable Performance Consulting
Tambe
Twin City Fan
Upstate Systems
V J Stanley
V P Supply

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.



**Ontario County
Department of Public Works**
2962 County Road 48
Canandaigua, New York 14424



Mechanical Systems Supervisor – The Ontario County Public Works Department currently has a full time opening for a Mechanical Systems Maintenance Supervisor located in Canandaigua, New York.

This position is responsible for developing and administering the preventative maintenance program, the capital repairs/replacement plan and energy management system for the County's mechanical systems. The job also includes administering contracts for building modifications, contracted repairs, and construction (renovation) projects. The supervisor may perform hands-on repair work, small system design and be available as a resource to help resolve HVAC and mechanical technical problems. The Mechanical Systems Supervisor oversees the staff of five Building Maintenance Mechanics. Daily staff work assignments are given by a direct report with input from the Mechanical System Supervisor.

The candidate should have at least an Associates Degree in related engineering technology and/or mechanical engineering plus at least two years of full time experience. Salary range is \$60,000-\$78,000 depending on experience.

Letters of interest and resume (no phone or email) should be addressed to Commissioner of Public Works, 2962 County Road 48 by September 24th, 2010.

2010-2011 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members / Students	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	218 /26	0	0	0	0	0	0	0



Society News: Rochester Engineer Named ASHRAE President

ALBUQUERQUE, N.M.—Lynn G. Bellenger, P.E., Fellow ASHRAE, partner, Pathfinder Engineers & Architects, Rochester, N.Y., was installed as president of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) at its 2010 Annual Conference held here June 26-30. Bellenger is ASHRAE certified as a Building Energy Modeling Professional and a High Performance Building Design Professional.

Bellenger is the first female president in the Society's 116 year history.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilating, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world.

As ASHRAE's president, Bellenger directs the Society's Board of Directors and oversees the Executive Committee. Her presidential theme, *Modeling a Sustainable World*, notes that in

energy simulation, daylight analysis, CFD and BIM software, we have powerful modeling tools that enable us to create and refine our vision of a building – its appearance, systems, operation and performance. Those resources, used effectively in an integrated design process for new buildings and in analyzing retrofit opportunities in existing buildings, will help us model a sustainable world.

“Our biggest challenge is implementing integrated design in daily practice. The traditional approach where the architect designs the building shape, orientation, and envelope and then transmits the drawings to the mechanical and electrical engineers for their design is a silo approach that misses the rich opportunities for optimizing building performance through a collaborative approach from the beginning. It is going to require a real cultural shift in our industry to transform the design process, and it's a shift that has to occur if we are going to reach our goal of net-zero-energy buildings.”

She formerly served as president-elect, treasurer and vice president.

Bellenger is a recipient of

the Exceptional Service Award, the Distinguished Service Award, two first-place ASHRAE Technology Awards and the Lincoln Bouillon Membership Award.

She received a Bachelor of Science in mathematics from Principia College and a Master of Science in environmental science from Rutgers University.



Lynn G. Bellenger, PE, Fellow ASHRAE
2010-2011 President

The Rochester Chapter couldn't be more proud to have such an incredible person represent us. Congratulations Lynn on this prestigious accomplishment and we look forward to your insightful leadership.

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.





Message from the Editor of the MFN Committee and Document Review Sub-Committee

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.

Any ASHRAE officer, member, committee or council, or any responsible outside entity may suggest issues for which ASHRAE position documents should be developed or may suggest whether existing ASHRAE documents should be revised or rescinded. There are specific requirements for submitting proposals that can be found in the ROB as well as a form (Attachment A in Section 1.300.001) that can be used as a guide.

Technology Council will be responsible for development of the PD, considering recommendations from the cognizant committee(s) or their chair(s) and the Director of Government Affairs and will consider recommendations of any ASHRAE entity.

Technology Council shall appoint a qualified chair, who is a member of ASHRAE and willing to remain in the position until the project has been completed and the committee discharged. Members of the committee shall be selected by the PDC chair with the approval of Technology Council. Membership shall satisfy knowledge and expertise of the subject matter.

The PDC membership shall be "balanced" among the following classifications of members so that no classification shall constitute a majority of the PDC membership:

Producer	User
Public	General

The draft, approved by PDC, will be submitted to Technology Council at least 30 days prior to the meeting at which it will be considered with information copies sent to the chair(s) of the cognizant committee(s) and the Director of Government Affairs.

The PDC shall complete its work within a period of less than 18 months, unless the PDC chair has received approval from Technology Council for an extension.

The PDC shall be discharged upon approval of the PD by BOD.

The following are active Position Documents:

- Ammonia as a Refrigerant
- Airborne Infectious Diseases
- Building Safety and Security
- Climate Change
- Energy
- Environmental Tobacco Smoke
- Indoor Air Quality
- Legionellosis
- Limiting Indoor Mold Growth and Managing Moisture in Building Systems Problems
- Ozone Depleting Substances
- Natural Refrigerants
- Refrigerants and Their Use in the Built Environment
- Use of Unvented Combustion Devices Indoors

Ross Montgomery, Vice Chair Tech Council

STANDARDS COMMITTEE (STDC)

The Standards Committee has approved a contractor to update the Standards Online Comment Database to improve its use and functionality for the volunteers and staff. One of the major revisions will add an export and import capability to permit the offline use of the database by the project committees.

The Standards Committee approved a major revision of the Project Committee Manual of Procedures (PC MOP) that will speed up the overall standards development process. The major revisions include the following: 1. Addition of an advisory public review (allows all or portions of a document that is controversial to be placed out for public review for public feedback); 2. Allows for public reviews of non-code intended standards to occur outside the current twice a year time table; 3. Allows project committees the option to invite unresolved commenters to a meeting and complete the resolution process at the meeting; 4. Decreases the number of approvals for membership changes; 5. Allows for more publication approvals beyond the twice-a-year cycle that has been used.

The following new projects have been approved:

1. Standard 201P, *Facility Smart Grid Information Model*
2. Standard 202P, *Commissioning Process for Buildings and Systems*
3. Standard 203P, *Method of Test for Determining Heat Gain of Office Equipment Used in Buildings*
4. Standard 204P, *Method of Test for Rating Micro Combined Heat and Power Devices*
5. Guideline 33P, *Guideline for Documenting Indoor Airflow and Contaminant Transport*

ASHRAE Technology is for ASHRAE members. The **Members First!** newsletter is issued after each Technology Council meeting to provide highlights of ASHRAE technical activities and keep 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 via email at TechViceChair@ashrae.net



STDC Cont.

The Code Interaction Subcommittee (CIS) will be preparing a Seminar Presentation for the Winter Conference in Las Vegas to detail what is involved in the code development process. CIS will be working with SSPC 189.1 to review the public comments of the first draft of the IgCC prior to the code hearings being held August 14-22, 2010 in Chicago.

This year the International Standards Advisory Subcommittee will be working on the International Standards Implementation Plan with an emphasis on executing specific items, such as: 1) increasing international participation in the ASHRAE standards development process; 2), communicating with ASHRAE's international membership and associate societies regarding demand for ASHRAE standards; 3) promoting of international standards activities in ASHRAE; and 4) harmonizing development rules among international standards developers.

Mike Newman, Standards Committee Chair

REFRIGERATION COMMITTEE (REF)

The REF committee is changing the procedures for the Milt Garland Refrigeration Award for Project Excellence and the Comfort Cooling Award for Project Excellence. Beginning with the new calendar year, award materials and schedules will be complementary to the Technology Awards. The due date for nomination packages will be May 1st, the coversheet will be a form similar to the short form for the Technology Award, and winners will be recognized at the Winter meetings. Watch the REF webpage in January for the updated instructions. Until the new procedures are in place, there is still time to submit nominations for this year. Nominations are due to the REF committee by November 1st. See the REF webpage for specific instructions: www.ashrae.org/refrigeration.

REF is the cognizant committee for several of ASHRAE's Position Documents. At the annual meeting in Albuquerque the *Ammonia as a Refrigerant* position document was reaffirmed with editorial changes including updated references and research figures. The *Natural Refrigerants* position document which was completed last year was also reaffirmed. In addition a new position document on *Refrigerants and the Built Environment* is under development. When completed, this document will address all classes of refrigerants including the ozone depleting refrigerants and their replacements, HFCs and HFOs. All of ASHRAE's Position Documents can be found at www.ashrae.org/positiondocuments.

This society year REF will undertake a review of its role within ASHRAE to ensure that going forward we continue to provide the services needed by the Society and the Chapters. In parallel, REF is performing a comprehensive review of ASHRAE's refrigeration-related products and services. As part of this project, REF will be surveying the Technical Committees and the Chapters to identify gaps. For example, what guidelines, test standards, or training could you use to address the refrigeration-related tasks you encounter in your work?

Watch for future communication from the REF Committee later this year about this request! In the meantime if you have suggestions about how REF can be more supportive of your needs, please e-mail REFChair@ashrae.net.

Cynthia Gage, REF Chair

RESEARCH ADMINISTRATION COMMITTEE (RAC)

Every five years RAC is asked to assemble a Research Advisory Panel (RAP) to develop a Strategic Plan for ASHRAE Research. The development cycle typically begins 3 years before the strategic plan is to be delivered. The latest cycle ended at the ASHRAE summer meeting in Albuquerque and a final ASHRAE Research Strategic Plan for 2010-2015 was delivered to RAC and approved by Technology Council. This was a major effort that was led by Dr. Jeffrey Spittler of Oklahoma State University with contributions from 11 other members having a wide range of technical expertise while representing companies, government organizations/laboratories, and universities. The purpose of the plan is to identify key HVAC&R research needs and to provide that information to ASHRAE members and Technical Committees as guidance while they develop research projects and to the Research Administration Committee as it approves and funds research proposals. The Research Plan is not meant to take the initiative for research development from the technical committees within ASHRAE, but rather to use input from ASHRAE members to identify strategic research needs that are appropriate for many committees to collaborate on, that may require larger budgets, and for which additional outside funding may be available to supplement ASHRAE's budget.

The work of the panel was organized into the following activities:

- Review of 2005-2010 Research Strategic Plan
- Environmental Scan
- Membership Survey
- Goal topic formulation and assignment of goal champions
- Formation and work of ad hoc goal topic committees
- Review and editing cycles

The environmental scan involved review of research planning documents produced by other societies such as USGBC and government agencies such as the Department of Energy and the California Energy Commission. The member survey was web based. It was completed by 311 people and partially completed by an additional 78 for a total of 389 respondents. Thirty-five percent of those who stated their current job function are in design/application, 24% in research, 11% in management and the rest in a range of other positions. The country in which the survey was completed was available for 366 respondents and included 287 from the U.S. and 79 from other countries. Three quarters of respondents identified energy/ sustainability as the most important issue. In terms of allocation of ASHRAE funds for research, on average respondents thought that Energy and Resources should receive the largest share of funds, 33%, about double that for each of the other categories of Indoor Environmental Quality (16%), Tools and Applications (15%),



RAC Cont.

The member survey results were instrumental in establishing eleven strategic goals that address technical challenges that limit our ability to maximize building performance, energy efficiency, and indoor environmental quality. The draft RSP was sent out for public comment in early January of 2010. About 40 comments were received and distributed to RAP members according to the relevant goal topic. This process resulted in revised goals that were included in a final RSP that is available at <http://www.ashrae.org/technology/page/39>.

The RSP was developed because we are trying to make sure that members' research contributions are used effectively and efficiently. Input and feedback from the membership was essential in developing and revising the RSP. As we move forward, research priorities can change. As a result, RAC will continue to solicit members' input to adapt the RSP to changing realities.

James Braun, RAC Chair

ENVIRONMENTAL HEALTH COMMITTEE (EHC)

EHC Keeping Focus on IEQ

Not wanting our industry to repeat the experience of the 1970s where reduced ventilation and increased building tightness resulted in a dramatic increase in building-related symptoms and diseases, Environmental Health Committee will be raising the attention level to indoor environmental quality (IEQ) and the health of building occupants in building performance metrics, labels, and "dashboards" that are being developed and disseminated. In fact, EHC was created in the mid-1980s to provide guidance to ASHRAE's BOD in response to the experience of the '70s.

We want ASHRAE to continue and enhance its 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, particularly in existing buildings, in any programs intended to reduce energy. EHC will be initiating this effort immediately with a goal to developing tools in the next six months.

EHC is also developing a title, purpose and scope (TPS) for a PD related to Environmental Health in Green Building Programs. A chair and PD committee members have been identified and are preparing the TPS for presentation at the Winter Meeting.

Lawrence Schoen, EHC Chair

TECHNICAL ACTIVITIES COMMITTEE (TAC)

TAC goals for this Society year include the standard goal of assuring committee rosters are updated in a timely manner. This is an important goal because the vitality of committees becomes evident during this process. Committees that are struggling to meet quorum at meetings, attracting new and former members, or simply trying to cope with changes to the scope of their committee and the effect of changes in the work of the committee. In addition TAC is emphasizing the need for committees to network with other committees when they have a project that needs expertise outside of the committee membership. In this way, ideas can be exchanged and perhaps new ideas or missions can be explored.

TAC receives committee requests for Scope changes. This occurs because a committee evolves and see their mission going in a new direction. Then the existing Scope does not fit their needs any longer and a new proposed Scope is forwarded to TAC for approval. TAC reviews these requests and will either approve the change or will refer it back to the committee for further clarification or advise the committee that the new Scope is overlapping the Scope of another committee or committees. Several committees submitted Scope changes at the Albuquerque Annual Meeting and some were approved and others were referred back for further work or clarification.

Another TAC goal this year is to ask committees to utilize outreach to new members for their committee. It is important to seek assistance when needed from the membership in general. Additional resources for review of Handbook chapters, new members for the vitality of their committee, and the new ideas that can come from unknown sources are always helpful.

Remember that 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 Wilkin, TAC Chair

SPECIAL PROJECTS SUBCOMMITTEE

The new Special Project/Research Project, *Ventilation and Indoor Air Quality in Retail Stores*, is getting underway. Bids were reviewed by TC 4.3 at the Annual Meeting in Albuquerque, and the project was awarded to the University of Texas at Austin with subcontracted work provided by Penn State. Jeffrey Siegel is the principal investigator. As described in ASHRAE's RFP, "This project will establish a reliable methodology for simultaneously measuring ventilation rates and key aspects of air quality in retail building spaces. It will use this methodology in several types of retail spaces to obtain data that can be used to inform possible revisions to the relevant ventilation requirements in Standard 62.1. Since retail buildings in the USA represent approximately 20% of commercial sector energy consumption, if the retail rates in general are found to be higher than reasonable minimum rates, this project has the potential to result in substantial energy savings." The project is funded by a major grant to ASHRAE from the National Institutes of Standards and Technology.

Technology Council has authorized \$30,000 in seed money toward development of a *Design Guide for Sustainable Refrigeration*. Efforts to identify co-funding and develop the guide are being spearheaded by



Special Projects Cont.

by ASHRAE's Refrigeration Committee.

A number of special projects have been completed in the past six months. Two of interest are:

Performance Measurement Protocols for Commercial Buildings, now available from the ASHRAE bookstore. This document provides protocols at three levels – basic, intermediate and advanced – for six performance categories: energy, water, thermal comfort, indoor air quality, lighting and acoustics. *Evaluation of the Market Impact of the ASHRAE Advanced*

Energy Design Guides, available for free download from the ASHRAE website at http://www.ashrae.org/docLib/20100518_AEDG_FinalReportApp_04_14_10.pdf.

This project was funded by the U.S. Department of Energy and conducted for ASHRAE by the Energy Center of Wisconsin. It assessed the market impact of the AEDG series, including awareness, use and energy savings impacts. The majority of the 716 ASHRAE members surveyed rated the AEDGs favorably in terms of credibility, technical content and effectiveness in reducing energy use.

Martha Hewett, Special Projects SubC Chair

ASHRAE's WEBCAST 2011 IS TAKING SHAPE

The title for the April 21, 2011 program is "Ground Source Heat Pump Systems: Putting the Earth to Work for You". This webcast features three excellent presenters: Kirk Mescher, PE, Mick Schwedler and Dr. Jeffrey D. Spitler.

Following the live webcast, ASHRAE will archive the program for 2 weeks on the internet via StreamLogics (Crawford Communications). The program will be viewable by registrants via an email link. This should give the International members an opportunity to view the program at a suitable time for them.

CTTC is actively pursuing sponsors for the program. At this time, there are two sponsors - Climate Master, Inc. and Mammoth, Inc.

Visit www.ashrae.org/GHPwebcast for information about the program, continuing education credits, speakers, sponsorship levels, and registration.

**To sign up for the Members First! Newsletter
Listserv, please use the following link:**

<http://www.ashrae.org/publications/detail/16150>