

ASHRAE Rochester



VOLUME 7, ISSUE 2

OCTOBER 1, 2011

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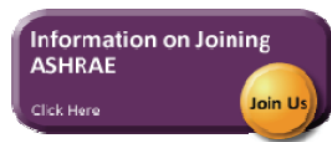
Visit the New Website!

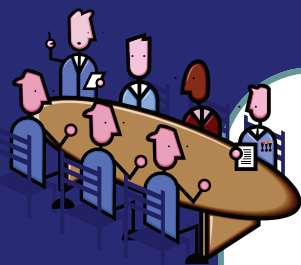
<http://rochester.ashraechapters.org>

ASHRAE—Rochester Chapter

Welcome

The American Society of Heating, Refrigeration, and Air Conditioning Engineers was founded in 1894, and now is an international organization of 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.





Chapter Officers

President

Jeffrey Ellis
585-232-3440
ellis@airsystemsbalancing.com

President Elect

Michelle Sommerman
585-232-5135
msommerman@bergmannpc.com

Vice President/Tech

Robert Wind
585-341-3172
rwind@ibceng.com

Secretary

Edward J. Burns
585-739-7548
ejb@mechtechvac.com

Treasurer

Christina Walter
585-486-2148
cmwalter@trane.com

Committee Chairs

CTTC/Programs

Michelle Sommerman 585-232-5135
msommerman@bergmannpc.com

CTTC/TEGA

Jeff Davis 585-381-3360(136)
jdavis@turnerengineering.com

CTTC/ Refrigeration

Michael Nohle 585-545-5522
mikenohle@aol.com

Historian

Lee Loomis 585-738-3079
leeloom@aol.com

Membership

Bill Clark 585-507-1961
wjclark@dayasi.com

YEA

Chris Lukasiewicz
585-381-3360 (135)
clukasiewicz@turnerengineering.com

Board of Governors

William Murray (3rd Year)
585-641-7121
bmurray@ec4b.com

Tim Duprey (3rd Year)
585-330-6430
DupreyT@ifsinc.net

Eric C. Smith (2nd year)
585-381-3360
esmith@turnerengineering.com

Jeff Close (2nd year)
585-289-6816
Jeff.close@pres-services.com

William J. Clark (1st Year)
585-507-1961
wjclark@dayasi.com

Jaimee Reynolds (1st year)
585-325-6004
jreynolds@pathfinder-ea.com

Beth Smith (1st year)
585-272-0110
bsmith@vpsupply.com

Student Activities

Al Rodgers 585-325-6004
arodgers@pathfinder-ea.com

Newsletter Editor

Jaimee Reynolds 585-325-6004
jreynolds@pathfinder-ea.com

Attendance & Reception

Timothy Duprey 585-330-6430
DupreyT@ifsinc.net

Building Simulation User's Group (BSUG)

Bill Bishop 585-325-6004
wbishop@pathfinder-ea.com

Webmaster

Kevin Wind 585-263-1280
kwind@rochester.rr.com

Research Promotion

Jeff Close 585-289-6816
Jeff.close@pres-services.com

Beth Smith 585-272-0110(3010)
bsmith@vpsupply.com



ASHRAE 2011-2012 Meeting Schedule

Date	Event	pdh / Theme	Location	Schedule
09/12/11	Annual ASHRAE Clambake James Bittker, NYSERDA New Construction Program	Membership Promotion	Burgundy Basin	5:00 PM
10/10/11	Dick Sherren Rooftop Wind Restraints	(1) pdh available pending	Mario's	12:00 PM
11/14/11	Stanley Mumma, DL Region III Chilled Surfaces and DOAS	(1) pdh available pending	Mario's	12:00 PM
12/12/11	BIM - Joint ASPE Meeting John Jansen, Imaginit Technologies	Research Recognition	Mario's	12:00 PM
01/09/12	Lynn Bellenger Standard 90.1 Appendix G Performance Rating System Bill Bishop - 5 min on BSUG	Awards Student (1) pdh available pending	Mario's	12:00 PM
02/10/12	Annual ASHRAE Valentines Dinner Dance	---	Inn on Broadway	7:00 PM
02/13/12	Steve Beck ASHRAE IAQ Guide, current work on Building Performance Metric	Membership Promotion () pdh available	Mario's	12:00 PM
03/12/12	Drury Crawley, DL Region III AEDG's to Net-Zero Buildings and Future Trends in Simulation	Research Promotion (1) pdh available pending	Mario's	12:00 PM
04/09/12	Refrigeration Tour Wegmans Market St - TBD	Student Night (1) pdh available pending	TBD	TBD
05/15/12	Annual ASHRAE Golf Outing and Picnic	---	Ravenwood Golf Club	9:30 AM Golf 4:30 - 8:00 Picnic

Updated 9/23/2011

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.

President's Message

I would like to thank everyone who attended our annual clambake at the Burgundy Basin on September 12th. It is a great way to kick-off our calendar year. It takes a lot of effort to pull off an event like this and I am fortunate to be associated with so many willing volunteers at ASHRAE.

That said, there are always opportunities for more participation from our local membership. We have a number of committees and most of them are "committees of one." It doesn't take a huge time commitment to get involved. Just ask and we can plug you into an area that could use some help. Here are just a few examples of committees that are looking for volunteers.

Historian Committee

If you would like to learn more about the history of our chapter and ASHRAE, please consider contacting Lee Loomis, leeloom@aol.com, our historian chair. We are in the process of digitizing our immense library and could use some help.

YEA Committee

Young Engineers of ASHRAE

If you would like to develop more technical training opportunities for young engineers, please contact Chris Lukasiewicz, clukasiewicz@turnerengineering.com, our YEA chair.

BSUG Committee

Building Simulation User's Group

Consider contacting Bill Bishop, wbishop@pathfinder-ea.com, our BSUG chair if you would like to develop more opportunities for energy modeling professionals to meet and exchange ideas about technical approaches to energy simulation.

We are returning to Mario's for our monthly meetings. They always take great care of us. Michelle Sommerman and Rob Wind have put together a great slate of speakers for this year. Our first lunch meeting is October 10. Dick Sherren will be discussing Rooftop Wind Restraints. One (1) pdh has been approved for this presentation.



Jeff Ellis, 2011-2012 President

Monthly Meeting

October ASHRAE Meeting (1 PDH will be available for attendees)

Monday, October 10th 2011

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

Time: 12 PM with Buffet Lunch Served

Cost: \$25.00

Speaker: Richard S. Sherren, P.E., Kinetics Noise Control

2006/2009 IBC Wind Restraint Requirements

This presentation will focus on the basic code requirements for the wind restraint of exposed rooftop components. Special attention will be paid to what is in the current New York State Codes, when wind restraint is required, what wind can do to equipment, how to select wind restraints and typical restraints used for wind. Major issues with wind restraints will also be covered.

Mr. Sherren has thirty years of experience in the design and analysis of machinery and mechanical systems. He has been employed by Kinetics Noise Control for ten years. His responsibilities include the design and application of seismic and wind restraints for HVAC equipment and systems. He is a registered professional engineer in twelve states and one commonwealth. He also has extensive teaching and research experience both in academia and in industry.

Cash or check payment still accepted at the door with your reservation.

Remember, as an option, we now have on-line payments available via PayPal.

<< ***Pay for Meeting Registration online via PayPal (no PayPal account required)*** >>

Use the following link: <http://rochester.ashraechapters.org/meetings.html>

Please RSVP no later than noon Thursday, October 6th to Tim Duprey

Phone: 585.402.5285 or Email: dupreyt@ifsinc.net

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

Respectfully,

Tim, Attendance Chair

Membership Promotion

Thanks for a wonderful turnout at the Clambake. For those who have students or recent graduates in your office, please make them aware of the ASHRAE Smart Start program. The Smart Start program is the best way for ASHRAE student members to continue receiving ASHRAE member benefits after graduating college. The first year out of college, the annual membership is \$20 and the second and third years are \$50 annually. This program will help save \$420 in the first three years of membership. Please refer any students or recent graduates to the smart start form found on Page 7 of this newsletter. If you have any questions regarding membership or would like to join ASHRAE, please contact Bill Clark, wjclark@dayasi.com, our membership chair.



WELCOME TO OUR NEW MEMBERS

Mr John Kelly of Crosby Brownlie, Inc

Mr. John Welch of M/E Engineering

Mr Ethan Willistein





ASHRAE STUDENT TRANSFER FORM

Save time and transfer online at www.ashrae.org/smartstart.



What is the smartstart program?

Simply put, it's the best way for ASHRAE student members to continue receiving the many member benefits of ASHRAE after finishing college.

How does it work?

1. The first year out of college annual membership is still only **\$20**.
2. Then it is only **\$50** for the second year and **\$50** for the third year.
3. You save up to \$420 and get three years of membership for **\$120**. (\$20-\$50-\$50)

save money. save time. transfer online.
www.ashrae.org/smartstart

Mr. Miss Ms. Mrs. Birth _____ / _____ / _____ Member No. _____
(Month) (Day) (Year)

Name _____
(First) (Middle) (Last) (Designation)

Current Address: (This will be where all correspondence will be sent unless otherwise specified)

Address _____

City _____ State/Province _____ Zip/Postal _____ Country _____

Permanent Address: (OPTIONAL - During the summer months and after graduation)

Address _____

City _____ State/Province _____ Zip/Postal _____ Country _____

Business Address: (OPTIONAL - Fill out this section and check the box below if you prefer correspondence mailed to your business address)

Address _____

City _____ State/Province _____ Zip/Postal _____ Country _____

E-mail _____ Alternate E-Mail _____

Telephone _____ Fax _____

ASHRAE protects contact information provided by its members and customers. To view ASHRAE's Privacy Policy visit www.ashrae.org/privacypolicy. Occasionally we make our mailing list available, under proper safeguard, for direct mail purposes. If you DO NOT wish to receive these mailings, please check here:

To receive your subscription to the ASHRAE Journal, please answer the following questions by entering the appropriate codes in the spaces provided.

Which best describes your firm? _____

- 11. Consulting Engineering
- 12. Architect/Architectural & Eng Services
- 15. Design/Build
- 21. Contractor
- 26. Property Mgmt & Dev
- 31. Industrial Facility
- 41. Commercial Facility
- 42. Government, Healthcare, Education
- 43. Utility
- 51. Manufacturer/HVAC&R Equipment
- 61. Manufacturer's Representative
- 62. Sales Engineering
- 71. Wholesaler or Distributor
- 83. Library
- 84. Technical, Professional or Trade Association
- 86. Student ***
- 91. Other (Please Specify)

Which best describes your title? _____

- B. President
- C. Partner
- D. Associate
- E. Owner
- F. Vice President
- G. Vice President Eng, Chief Engineer
- K. Design Engineer
- L. Project/Application Engineer
- O. Facility Engineer/Manager
- P. Research/Development Engineer
- R. Sales Engineer, Sales
- S. Purchasing Agent
- T. Draftsperson
- U. Estimator
- W. Technician
- X. Instructor, Professor
- Y. Student ***
- Z. Librarian
- ZZ. Other (Please Specify)

ASHRAE society dues include \$6.00 for the ASHRAE Journal.

Please select preferred method of contact? Current Address Permanent Address Business Address

What version of the ASHRAE Handbook would you like? More than 900 pages of HVAC&R technical information and it includes the CD!

IP (inch/pound units version) SI (metric units version)

Method of Payment

By completing the payment option below and submitting the student transfer program form, ASHRAE will charge the amount selected below to your credit card.

\$120: For all three years (\$20-\$50-\$50) \$20: For one year only (your next two renewals will be \$50)

Visa Mastercard American Express Diner's Club Check or money order Enclosed Amount
(Checks must be payable to ASHRAE in US funds drawn from a US bank.)

Card # _____ Expiration Date _____ / _____ CVV _____
(Month) (Year)

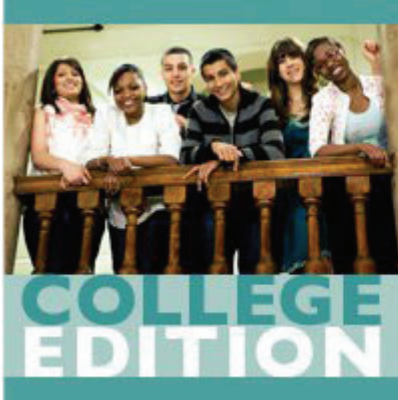
Name on Card _____ Signature _____

MAIL OR FAX BACK COMPLETED FORM ALONG WITH APPROPRIATE FEES TO:
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. • 1791 Tullie Circle NE, Atlanta, GA 30329
Phone: 1-800-527-4723 (U.S and Canada) • 404-636-8400 (world-wide) Fax: 404-321-5478 • www.ashrae.org

Welcome to the Student Zone

Go On-Line and Apply Today to be the New Face in Engineering!

Deadline: October 21, 2011



New Faces of Engineering: College Edition

ASHRAE's student New Face of Engineering would demonstrate academic excellence, with a GPA of 3.0 or higher, hold leadership positions within university student organizations, have outstanding communication skills, have a record of some non-engineering related community service and have a proven track record of involvement in the engineering industry. Building systems engineering is changing. As the future of engineering, how are you playing a role in that change? You have the opportunity to represent the face of engineering students today.

QUALIFICATIONS

To apply to be ASHRAE's New Face of Engineering: College Edition, you must:

- be an ASHRAE member (**Student Member Renewal Form** can be found on Page 9)
- be a junior or senior (defined as third, fourth or fifth year) engineering student as of Sept. 1, 2011
- be enrolled in a Bachelor of Science in Engineering program from an ABET Accredited school
- answer four short questions about your experience as an engineering student
- submit a professional quality head and shoulders photo with application
- "action shots" are also encouraged

The New Face of Engineering will:

- Receive a **\$1000** scholarship from ASHRAE
- be recognized in a full-page ad in the ASHRAE Journal
- have their profile featured on the New Faces of Engineering: College Edition's Facebook page
- have the advantage of including the honor on resumes

<http://www.ashrae.org/students/>



ASHRAE

Student Member Renewal Form

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
ASHRAE • 1791 Tullie Circle NE • Atlanta, GA 30329-2305

By completing this membership form, you are agreeing to comply with the ASHRAE Code of Ethics: <http://www.ashrae.org/codeofethics>.

Name: _____ Member No.: _____

Street Address: _____ City, State/Province: _____

Country Postal Code: _____ Phone: _____

E-mail: _____ Chapter: _____

ASHRAE Email Usage Policy - ASHRAE respects the privacy rights and communication preferences of its members. To support ASHRAE's commitment to sustainability, ASHRAE actively seeks to reduce the amount of paper and mail used to communicate Society information. By supplying your email address, you are agreeing to receive electronic communications from ASHRAE, with the knowledge that you may opt-out of certain types of electronic communication once you become a member. Occasionally ASHRAE makes under proper safeguard physical address mailing lists – not email – to third parties for HVAC&R technology related direct mail purposes. If you DO NOT wish to receive these physical mailings, please check here.

ASHRAE Society dues include \$6.00 (USD) for ASHRAE Journal. This amount is not deductible from Membership dues.

To receive your subscription to the ASHRAE Journal, please answer the following questions by entering the appropriate codes in the spaces provided.

Which best describes your firm? 86 **Make correction here.**

11. Consulting Engineering	41. Commercial Facility	71. Wholesaler or Distributor
12. Architect/Architectural & Eng Services	42. Government, Healthcare, Education	83. Library
15. Design/Build	43. Utility	84. Technical, Professional or Trade Association
21. Contractor	51. Manufacturer/HVAC&R Equipment	86. Student
26. Property Mgmt & Dev	61. Manufacturer's Representative	91. Other (Please Specify)
31. Industrial Facility	62. Sales Engineering	_____

Which best describes your title? Y **Make correction here.**

B. President	G. Vice President Eng. Chief Engineer	R. Sales Engineer, Sales	X. Instructor, Professor
C. Partner	K. Design Engineer	S. Purchasing Agent	Y. Student
D. Associate	L. Project/Application Engineer	T. Draftsperson	Z. Librarian
E. Owner	O. Facility Engineer/Manager	U. Estimator	ZZ. Other (Please Specify)
F. Vice President	P. Research/Development Engineer	W. Technician	_____

Please sign and date even if no changes are made. **Signature** _____ **Date** _____

MEMBERSHIP PRICE: \$20.00

Because you are a student member, you may purchase the 2009 ASHRAE Handbook Fundamentals Volume at a reduced price by selecting one of the options below:

- _____ CD only \$39.00
- _____ Book I-P units \$49.00
- _____ Book SI units \$49.00

ASHRAE Journal Air Mail Delivery: Optional service for members outside the U.S. Remit \$50.
**The CD includes both IP and SI units.



TOTAL: _____

Method of payment: VISA Master Card American Express Diner's Club Check or money order enclosed*

Card No.: _____ Expiration date: _____

Signature: _____ Date: _____

*Checks must be made payable to ASHRAE in U.S. funds drawn from a U.S. bank.



ROCHESTER CHAPTER COMMITTEE REPORT
2011 September 23

MISSION STATEMENT

The primary objective for the YEA Committee is to enhance our member benefits for young professional ASHRAE members by identifying activities and services focused on their needs.

- National YEA Committee

OLD BUSINESS

1. Plan technical programs:
 - ASHRAE Group Learning Texts Program
 - Review benefits of ASHRAE membership
 - Fundamental Sessions
2. ASHRAE standards
3. System design
 - EIT/PE Exam study groups
4. Plan technical tours
 - Seneca Park Zoo
 - RIT Ice Rink with ice skating
 - Blue Cross Arena with Amerks hockey game
5. YEA Leadership Weekend: Spring 2012
 - Several members interested in attending

NEW BUSINESS

Next YEA Committee Meeting: to be determined
The Winfield Grill (647 Winton Road, Rochester, NY 14609)

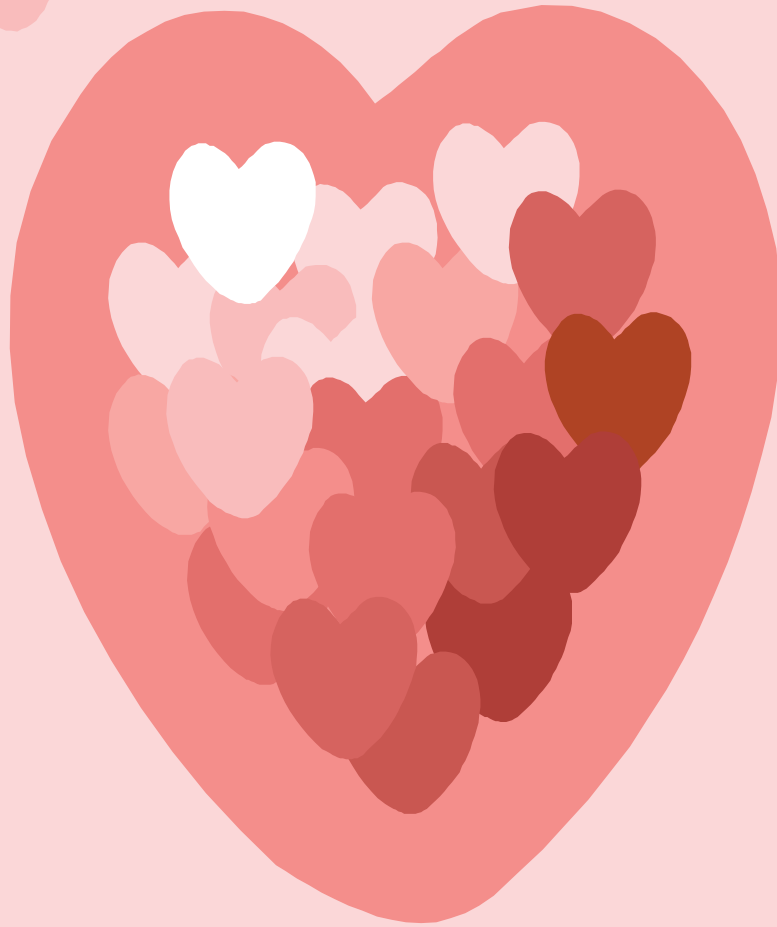
Social Hour: Look into "Green Drinks"
<http://www.ceinfo.org/ugbn/index.php>
Next one is Thursday, October 20th, location to be determined

ASHRAE Group Learning Texts Program: obtain copy of textbook for format evaluation

Student Outreach:
Contact Monroe Community College
Plan "career night" to help students with resumes and discuss careers in HVAC

SAVE THE DATE

February 10, 2012



Valentines Dinner Dance

Inn on Broadway



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 Chapter President, Jeff Ellis (585.232.3440) or by email ellis@airsystemsbalancing.com

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

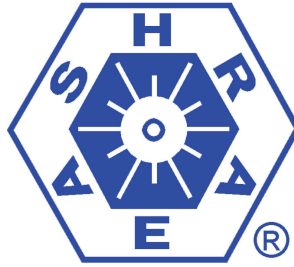
HVAC Estimator

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.



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

ROCHESTER, NEW YORK CHAPTER

September 9, 2011 - 12 NOON

LOCATION: VP Supply

President	Jeffrey Ellis	X
President Elect/Program	Michelle Sommerman	X
Vice President/Tech Session	Robert Wind	X
Secretary Picnic/Golf	Ed Burns	X
Treasurer	Christina Walter	X
Immediate Past President/CRC	Jim Browe	
Awards/Student Activities	Al Rodgers	
Buyers Guide	Chuck White	
Hiistorian	Lee Loomis	X
Board of Gov. (1) Membership	Bill Clark	X
Board of Gov. (1)	Beth Smith	
Board of Gov. (1) Newsletter	Jaimee Reynolds	X
Board of Gov. (2)	Eric Smith	X
Board of Gov. (2) Research	Jeff Close	
Board of Gov. (3)	William Murray	
Board of Gov. (3) Attendance	Tim Duprey	X
Website	Kevin Wind	
Refrigeration	Michael Nohle	
Nominating	Jeff Davis	X
Valentine's Dance	Jody M. McGarry	
Publicity	Mark Kukla	
YEA	Chris Lukasiewicz	X

Meeting Minutes

Roll Call: The above noted individuals were present.

Call to Order: 12:00pm by Jeff Ellis

Minutes:

Previous Meeting minutes motioned to approve Rob Wind. Seconded by Jeff Davis. Minutes accepted with Realto Cherne and RES submission deadline changes.

Treasurer Reviewed Budget:

Increase CRC budget to 5K. Picnic income raised budget balanced at \$63,520.00. Ed Burns to set up a meeting with Dave Hartman at Wells Fargo to discuss investment accounts.

2011-2012 Program Year:

Michelle 3DL's scheduled November, January & March. November DL paid by Region. Lynn B. scheduled for January meeting. Program schedule is all set with exception of April refrigeration tour. PDH submission requirements for speakers reviewed. Valentines dance set for 2/10/2012

CTTC – Jeff Davis following up on awards.

CRC – Report from CRC submitted by Jim Browe. Note: No meeting minutes included in report. Jeff Ellis to get CRC minutes to Jaimee.

News Letter – Jaimee Reynolds coordinating volume and issue numbers with Chris Walter. Submissions for RES are required by the 10th of the month. Electronic newsletter 1 week prior to the end of the month.

Membership – 1 New member – John Kelly from Crosby Brownlie attending clambake. Member delinquent report reviewed for follow-up. Lee Loomis to check old members for report, committee for PAOE points.

Attendance – 93 Scheduled for Clambake.

Historian – Records now at State Street. Lee is working on historical writ-ups to be included in newsletter with Jaimee. We get points for this. Possibly portions or an overview of Lee's history boards could be included in newsletter.

Nominating – Jeff Davis sending out information on who would like to be on nominating committee.

Publicity – Mark is planning on photo history for this year. Announcement of Jeff Ellis Presidency and Chapter Officers appeared in RBJ.

Meeting Minutes (continued)

Valentines Dance - This year's dance to be held at The Inn on Broadway. Confirmed for 2/10.

Research – Beth Smith attended centralized training in Chicago.

Buyers Guide – Still on track for 12/31.

YEA – Committee meeting 9/14 for tour schedule. Currently working on group learning sessions thru ASHRAE Learning Institute. Discussed Young Engineer Award. Must be 30 or younger. YEA is currently looking for older ASHRAE members to help with course outlines. 1st course to be water systems design.

Refrigeration – No report. Tour of Wegman's scheduled for April.

Student Activities – No report.

Old Business – MBO officers and committee chairs need to submit with goals. CRC summary and reimbursements. Get receipts in for Chapter reimbursement after Region I and society reimbursements. All receipts to go thru Jeff Ellis. Updated website will be up after Clambake.

New Business – Audit committee – Jeff Bidell, Steve Maybeck and Barb Herl. Audit planned for October. Tax return November. Revised MOPS Jobs and resume postings changes motion to vote by Rob Wind. Bill Clark seconded. Motion put to vote, 8 members present, 8 voted for, 0 against, jobs and MOPS revision motion passed. Scholarships changes motion to vote on MOP as revised by Rob Wind. Bill Clark seconded. Motion put to vote, 8 members present, 8 voted for, 0 against, jobs and Scholarship MOPS revision motion passed.

Next Meeting: October 7th at noon Location: VP Supply

The meeting was adjourned

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	241	0	175	0	0	0	0	175

Join ASHRAE in Chicago!

2012 ASHRAE Winter Conference
Jan. 21-25
Palmer House Hilton
Chicago



EARLY BIRD SPECIAL

Early bird rates (**by Oct. 31**) for members, \$485; \$670 for non-members (includes one year of membership). Once online registration is completed, registrants receive an email confirmation from orders@ashrae.org.

Technical Program — join your fellow members and industry leaders to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design.

Virtual Conference — if you can't make it to Chicago, take advantage of the knowledge shared in the technical program with the Virtual Conference.

AHR Expo — The ASHRAE co-sponsored AHR Expo takes place Jan. 23–25 at McCormick Place. www.ahrexpo.com.

ASHRAE Certification — all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations and Performance Management Professional.

ASHRAE Learning Institute — five Professional Development Seminars and 14 Short Courses are offered, including a new course on the basics of combined heating and power systems and updates to courses covering Standards 62.1 and 90.1 reflect changes in the 2010 versions of these standards.

www.ashrae.org/chicago

To learn more about how you can become involved at the regional level, please contact the appropriate chair. Be sure to meet the regional committee members in Chicago at the Region I Dinner.

ASHRAE Region I 2011-12 Executive Committee & Society Contacts

DRC – Director & Regional Chair

Spencer Morasch
Jersey Central Power & Light
331 Newman Springs Rd
Bldg. 3 Suite 325
Red Bank, NJ 07701-5688
W: (732)212-4133
smorasch@firstenergycorp.com

ARC – Assistant Regional Chair & Treasurer

Joseph L Furman
Automated Logic
16 Country Way
Wallingford, CT 06492-5356
W: (203)678-2208
joe.furman@automatedlogic.com

Nominating Committee Member

Emery Otruba, P.E.
Evergreen Engineering
262 Johnson Hill Rd
Hoosick Falls, NY 12090-4615
W: (518)225-2771
eotruba@verizon.net

Nominating Committee Alternate

Russell J Stuber
U & S Services Inc
233 Fillmore Ave Ste 11
Tonawanda, NY 14150-2316
W: (716)693-4490
stubberr@usservicesinc.com

RVC Membership Promotion

Richard E Vehlou, PE
NYS OGS BU1
33Rd Fl Corning Tower
Albany, NY 12242-0001
W: (518)474-2471
Rev1969@gmail.com

RVC Research Promotion

Darcy A Carbone
Stebbins-Duffy, Inc.
6 Damon Rd
Medford, MA 02155-2903
W: (617)957-2567
dcarbone@stebbinsduffy.com

RVC Chapter Technology Transfer

Steven L Rosen
EYP
24 School St.
Boston, Massachusetts 02108-5113
W: (617)305-9865
srosen@eyvae.com

RVC Student Activities

Om Taneja, PhD, Dr.
USDSA
79 Summit Dr
Basking Ridge, NJ 07920-1960
W: (212)264-4465
om.taneja@gsa.gov

Regional Chapter Programs Chair

Peter Oppelt
R.F. Peck Co.
191 Moorland Rd
Rochester, NY 14612-3421
W: (585)227-1720
poppelt@rfpeck.com

Regional Refrigeration Chair

Steven D Friedman PE, HFDP, LEED AP
AKF Engineers, PC.
330 West 42nd street, 14th floor
New York, NY 10036
W: (212)548-1412
SFriedman@AKFGroup.com

Regional Historian

Alexander Weiss, PE
8 Bergen Beach Pl
Brooklyn, NY 11234-5743
W: (718)251-1154
weisseng@gmail.com

Regional Electronics Communication Chair & Newsletter Judge

Heather L. Nowakowski, P.E.
Roswell Park Cancer Institute
Elm & Carlton Streets
Buffalo, NY 14263
W: (716)845-3521
Heather.nowakowski@roswellpark.org

Regional Representative

Garry N. Myers
WSP Flack + Kurtz
73 Bonnie Way
Allendale, NJ 07401-1127
W: (212)951-2815
Garry.Myers@wspfk.com

Regional Young Engineers in ASHRAE

Cara S Martin
Novus Engineering
25 Delaware Ave.
Delmar, New York 12054
W: (518)439-8235
cmartin@novusengineering.com

Director of Member Services

Carolyn Kettering
ASHRAE
1791 Tullie Circle, N.E.
Atlanta, GA 30329
404.636.8400
ckettering@ashrae.org

Director of Communications and Publications

Jodi Scott
ASHRAE
1791 Tullie Circle, N.E.
Atlanta, GA 30329
404.636.8400
jdunlop@ashrae.org

Contact: Jodi Scott
Public Relations
678-539-1140
jscott@ashrae.org

Alternative to ASHRAE Standard 62.1 Ventilation Rate Procedure Proposed

ATLANTA – Public comment is being sought on the proposed allowance of an additional default value to the ventilation rate procedure in ASHRAE’s indoor air quality standard.

ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, sets minimum ventilation rates and other requirements for commercial and institutional buildings. The ventilation rate procedure provides a prescriptive method for determining minimum ventilation requirements. It accounts for pollutant sources from both the building and its occupants, and allows the designer to account for the efficiency of different ventilation systems when delivering outdoor air to the breathing zone.

Some users of Standard 62.1 believe that the ventilation rate procedure is “too complicated,” according to Standard 62.1 chair Roger Hedrick. “While the 62.1 committee disagrees with this in most cases – the basics of the VRP are quite straightforward – the committee agrees that application of the multiple-zone recirculating system equations described in Section 6.2.5 and Appendix A can be complex.”

Proposed addendum f, open for public review until **Oct. 16**, provides an additional default value for V_{pz} .

“Difficulty determining an appropriate value for V_{pz} seems to be a frequent issue with users of the multiple space equations,” he said. “The committee decided that supplying a default value would simplify application. However, the default value is necessarily conservative. In a large number of applications, determining the ‘lowest zone primary airflow value expected at the design condition analyzed’ will result in a value for V_{pz} that is higher than the default, resulting in a reduced outdoor air intake requirement.”

Addendum f is open for public review until **Oct. 16, 2011**, along with proposed addendum h. Also, proposed addendum g to the standard is open for public review until **Oct. 31, 2011**. For more information, visit www.ashrae.org/publicreviews. The other addenda open for public review are:

- addendum h (until Oct. 16). Table 6.1 in the standard includes ventilation rates for “Sports arena (play area)” and “Gym, stadium (play area).” Both space types have ventilation rates based on floor area only, with a per person rate of zero. Users of the standard have expressed interest in applying demand controlled ventilation to these space types, which is effectively prohibited by the lack of a per person component to the ventilation rate. This proposed addendum replaces both of these space types with “Gym, Sports Arena (play area),” with $R_p = 20$ cfm/person and $R_a = 0.06$ cfm/ft². In most cases, the overall ventilation rate for these spaces is expected to decrease, possibly significantly, according to Hedrick. One concern about allowing CO₂-based demand controlled ventilation in these spaces is that the volume per person in these spaces is typically large, which means that CO₂ concentration changes will have longer than usual lag times behind occupancy changes, he noted.

- Addendum g (open until Oct. 31). Currently users are directed that for space types that are not listed in Table 6-1 they should select the space type from the table that is most similar to the space being designed. However, some space types are actually ventilated using the exhaust ventilation requirements of Section 6.5 and Table 6-4. This proposed addendum adds language directing the user to select the space type that is most similar to the space in question from either Table 6-1 or 6-4, and to design the ventilation for the space according to the Section 6.2 or 6.5, as appropriate

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

Contact: Jodi Scott
Public Relations
678-539-1140
jscott@ashrae.org

ASHRAE Introduces New Liquid Cooled Datacom Environmental Classes

ATLANTA – A new whitepaper that serves as the first vendor neutral thermal guideline for liquid cooled data processing environments is available for free download from ASHRAE.

“2011 Thermal Guidelines for Liquid Cooled Data Processing Environments” creates data center classes for liquid cooling that can enable fulltime economizers for a number of applications in many climates, according to Don Beaty, chair of the Publications Subcommittee of ASHRAE’s Technical Committee (TC) 9.9, Mission Critical Facilities, Technology Spaces and Electronic Equipment.

“2011 Thermal Guidelines for Liquid Cooled Data Processing Environments” can be downloaded for free from the ASHRAE TC9.9 website at www.tc99.ashraetcs.org.

The increasing heat density of modern electronics is stretching the ability of air to adequately cool the electronic components within servers as well as the data center facilities that house these servers. To meet this challenge, the use of direct water or refrigerant cooling at the rack or board level is now being deployed. This trend of increasing heat densities combined with the interest in energy and waste heat recovery created the need for liquid cooling guidelines to help bridge the gap between IT equipment design and data center facility design, according to Beaty.

Five liquid cooling classes have been created:

- W1 – Facility Water Supply Temperature of 2 to 17 C
- W2 – Facility Water Supply Temperature of 2 to 27 C
- W3 – Facility Water Supply Temperature of 2 to 32 C
- W4 – Facility Water Supply Temperature of 2 to 45 C
- W5 – Facility Water Supply Temperature of > 45 C

In addition to the classes, the whitepaper provides insight into other considerations for liquid cooling including condensation, operation, water flow rates, pressure, velocity and quality as well as information on interface connections and infrastructure heat rejection devices.

This whitepaper follows an earlier whitepaper released in May 2011, “2011 Thermal Guidelines for Data Processing Environments – Expanded Data Center Classes and Usage Guidance,” which addresses air cooling in data centers and created new data center environmental classes which expanded the opportunity for chiller-less data centers (fulltime economizers).

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Governmental Affairs Update

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.

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, 09/23/11

[ASHRAE Seeks Volunteer Members Interested in State/Local/Provincial Government Affairs](#)
[U.S. House of Representatives Passes Temporary Government Funding Resolution; Senate Vows Opposition – Partial Federal Government Shutdown Likely](#)

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[Solar Decathlon Kicks Off in Washington, DC](#)

[ASHRAE Submits Comments on DOE Proposal to Develop an Asset Rating Program for Commercial Buildings](#)



ASHRAE Seeks Volunteer Members Interested in State/Local/Provincial Government Affairs

Are you – or do you know of any ASHRAE members in your area who might be “champions” on the advocacy front? Perhaps you’ve worked extensively with a city council, mayor’s office, or state legislature – or maybe you (or your fellow member) just have an interest in being active in promoting and protecting your profession.

At this summer’s Annual Meeting in Montreal, ASHRAE's Board of Directors voted to develop grassroots advocacy programs at the state, local, and provincial levels within the Society’s membership. To that end, ASHRAE’s Government Affairs Office is embarking upon a new venture: laying the foundation for building a network of engineer-advocates who, when appropriate, can be mobilized to encourage the adoption of ASHRAE standards in their states, cities, counties, and provinces, as well as other public policies in line with ASHRAE advocacy priorities.

If you are interested in getting involved in this nascent network of grassroots advocates or have any questions whatsoever regarding state, local, or provincial advocacy, please contact Mark Wills (mwills@ashrae.org), ASHRAE’s Manager of State and Local Government Relations, directly at your convenience.

Furthermore, should you know of any pressing advocacy issues within your region or chapter’s jurisdiction requiring immediate attention from Government Affairs staff, please let us know at mwills@ashrae.org.

Washington, DC Engineering Public Policy Internship Seeks ASHRAE Student Applicants

ASHRAE is now accepting applications for the 2012 Washington Internship for Students of Engineering (WISE) program. The WISE program provides selected participants with a unique opportunity to interact with and learn from government officials, professional societies, and others who are involved with crafting national public policy that affects the engineering profession and building industry.

Applicants must be ASHRAE student members. Applications are available at </advocacy/page/1226>, and must be postmarked or emailed by **December 31, 2011**.

U.S. House of Representatives Passes Temporary Government Funding Resolution; Senate Vows Opposition – Partial Federal Government Shutdown Likely

Early this morning the U.S. House of Representatives passed a short-term continuing resolution (CR) that will temporarily fund the federal government through November 18, 2011. Shortly thereafter, Senate Democratic leadership promised to defeat the measure. Democrats were angered because the CR would offset new disaster relief funds with reductions in the Advanced Technology Vehicle Manufacturing Loan Program, which encourages the development of fuel efficient cars and related components.

Opposition in the Democratically-controlled Senate means the CR will likely fail, making a partial shutdown of the federal government likely (essential security and social services would continue without interruption), as the new fiscal year begins October 1, and the House and Senate are not in session next week in observance of the Jewish New Year, Rosh Hashanah.

House and Senate leaders will work throughout today and the weekend to seek compromise and avoid a government shutdown, however the path forward will likely be challenging. Earlier this week, fiscally conservative Republicans revolted against House Speaker John Boehner (R-OH) and Majority Leader Eric Cantor (R-VA) to defeat a previous attempt to pass a CR. The current CR was narrowly passed in the House by a vote of 219-203. With opposition coming from many places and election-year politics looming, House and Senate Republican and Democratic leadership will be forced to work together to piece together compromise and fund the federal government, or face possible retribution from voters angered over a government shutdown.

Solar Decathlon Kicks Off in Washington, DC

The U.S. Department of Energy Solar Decathlon began this week on the National Mall in Washington, DC. The Solar Decathlon is a competition among 20 college and university student teams to design, build, and operate the most attractive, effective and energy-efficient solar-powered house. The first Solar Decathlon was held in 2002, and the competition has since taken place in 2005, 2007, and 2009. The Solar Decathlon is open to the public and free of charge. Visitors can tour the houses, gather ideas to use in their own homes, and learn how energy-saving features can help them save money. ASHRAE serves as a supporting sponsor of the event. For more information, please visit </students/page/solardecathlon11>

ASHRAE Submits Comments on DOE Proposal to Develop an Asset Rating Program for Commercial Buildings

The U.S. Department of Energy (DOE) issued a request for information on their plans to develop a voluntary National Asset Rating Program for Commercial Buildings. In response, ASHRAE submitted comments to DOE on this request.

For additional information, please visit <http://www.gpo.gov/fdsys/pkg/FR-2011-08-08/pdf/2011-20014.pdf>.