

Tuesday, October 13, 2009

**October 13, 2009 Chapter Meeting Notice**

\*\*\* You MUST RSVP if you plan to attend the meeting. Please email Charles Fischer at [charles.h.fischer@jci.com](mailto:charles.h.fischer@jci.com). Also, you can prepay and RSVP on line at [www.ashraeatlanta.org/meeting.html](http://www.ashraeatlanta.org/meeting.html). This helps the chapter accurately order food from the catering company.\*\*\*

**Lunch Meeting:** 11:30 AM – 1:00 PM  
**Topic:** Standard 62.1 Update  
**Speaker:** Hoy Bohanon, Distinguished Lecturer  
 WorkingBuildings  
**Cost:** \$10.00 Members, \$20.00 Non-Members

**Educational Session** 1:30 PM – 4:30 PM  
**Topic:** Multi-zone Ventilation Calculations per Standard 62.1  
**Speaker:** Hoy Bohanon, Distinguished Lecturer  
 WorkingBuildings  
**Cost:** \$50.00

**Emphasis:** YEA, Research Promotion

*Inside This Issue*

President's Message	Page 3
Speaker's Page	Page 4
2009/2010 Atlanta ASHRAE Program Calendar	Page 6
2009/2010 ASHRAE Atlanta Education Seminar Calendar	Page 7
ASHRAE NEWS	Page 13
Resumes	Page 15
History Corner	Page 17

\*\*Please visit our new website for up-to-date chapter and meeting information at [www.ashraeatlanta.org](http://www.ashraeatlanta.org)\*\*

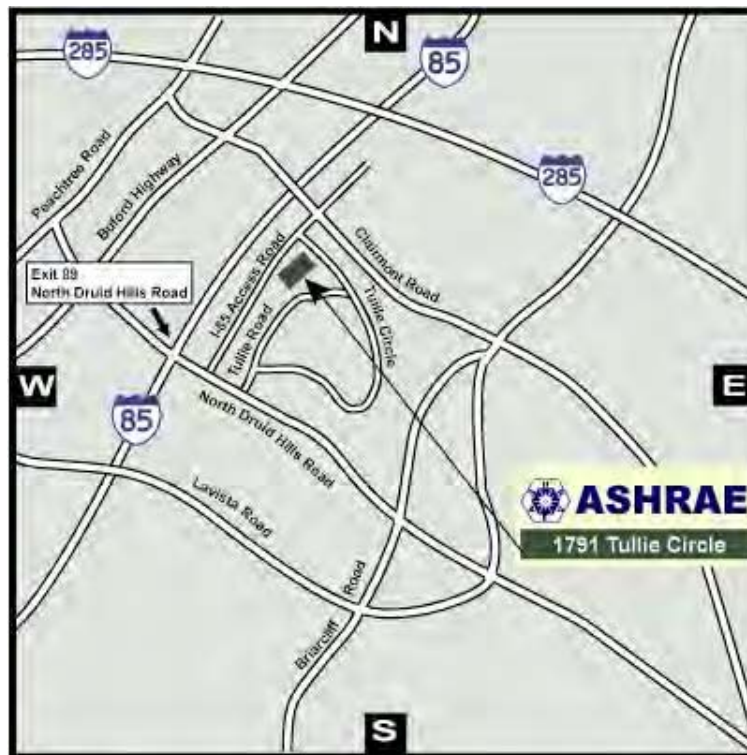
# Directions to ASHRAE



**ASHRAE**  
Advancing HVAC&R to serve humanity  
and promote a sustainable world

## Directions to ASHRAE Headquarters

ASHRAE Headquarters is located at 1791 Tullie Circle and the building fronts the northbound access road next to Interstate 85 just north of North Druid Hills Road (Exit 89). We are 18 miles north of Hartsfield-Jackson International Airport, near Emory University and the Centers for Disease Control.



### From I-85 northbound:

- Take Exit 89 (North Druid Hills Road).
- Turn right at the light onto North Druid Hills Road.
- At the next light, turn left onto Tullie Road. Continue on Tullie Road until you reach a stop sign.
- Turn left onto Tullie Circle NE.
- The main entrance to ASHRAE Headquarters is on the right.

### From I-85 southbound:

- Take Exit 89 (North Druid Hills Road).
- Turn left at the light onto North Druid Hills Road.
- Go straight through the next light at the access road to I-85 northbound.
- At the second light, turn left onto Tullie Road.
- Continue on Tullie Road until you reach a stop sign.
- Turn left onto Tullie Circle NE.
- The main entrance to ASHRAE Headquarters is on the right.

Click here to view on the Web:

<http://www.ashrae.org/contactus/page/1451>

## Atlanta Chapter ASHRAE, 2009-2010

### Chapter Officers

#### **President**

John McFarland 678-990-4316

#### **Vice President**

Michael Dudley 678-990-4325

#### **Treasurer**

Charlie Fischer 770-870-2620

#### **Secretary**

Charles Miltiades 770-421-3280

### Past President

Mike Eckert 770-870-3936

### Board of Governors

Caroline Callaway 770-663-4339

Danny Cobucci 770-495-9888

Rick Dustin 404-624-8699

Glenn Northrup 678-736-5102

Pat McCabe 770-435-2334

Ron Petrey 770-277-0271

Dominic Radosta 404-444-0570

Samir Sheth 404-897-9927

### Committee Chairs

#### **Attendance / Reception**

Danny Cobucci 770-495-9888

#### **Att./Reception V. Chair.**

Darrell Sandlin 770-495-8814

#### **CTT**

Sheldon Jeter 404-894-3211

#### **December Meeting**

Caroline Callaway 770-663-4339

#### **Historian**

Dominic Radosta 678-507-1091

#### **Honors & Awards**

Harris Sheinman 404-946-2116

#### **Macon Section**

Caroline Callaway 770-663-4339

#### **May Outing**

#### **Membership Promotion**

Samir Sheth 404-897-9927

#### **Newsletter Editor**

Sheldon Jeter 404-894-3211

#### **PAOE Czar**

Mike Eckert 770-870-3936

#### **Product Show**

Irvin Sierra 404-605-8255

#### **Programs**

Priscilla Harmon 404-521-6362

#### **Refrigeration**

Owen Gwin 770-489-0716 X 103

#### **Region IV DRC**

Ira Poston 336-222-5570

#### **Region IV RVC History**

Pam Immekus 770-419-7533

#### **Region IV RVC Student Activities**

Peggy Fritz 678-721-9326

#### **Research Promotion**

Brian Justice 678-641-6000

#### **Research Vice Chair.**

Glenn Northrup 678-736-5102

#### **Student Activities**

Dr. John Mench 770-528-7289

#### **GT Student Branch Advisor**

Dr. Shelton Jeter 404-894-3211

#### **UGA Student Branch Advisor**

Dr. Tom Lawrence 706-542-4322

#### **Ways & Means**

Patrick McCabe 678-990-4298

#### **YEA Chair**

Pamela Androff 404-730-8597

American Society of Heating, Refrigerating  
and Air Conditioning Engineers, Inc.

Published by the Atlanta Chapter, Atlanta, Georgia.  
Statements made in this publication are not expressions  
of the Society nor of the Chapter and may not be  
reproduced without special permission from the Chapter.

## PRESIDENT'S MESSAGE

Hello everyone!

We kicked off the year in a big way at our meeting this month. Over 90 folks came to learn what's changed in LEED v3. Susie Spivey-Tilson from tvsdesign did a great job showing us our the rating system has changed to focus more on energy efficiency (ASHRAE 90.1-2007), water efficiency, and regional issues like access to mass transit and renewable energy technologies. She also pointed out that the USGBC now requires at projects certified under LEEDv3 to provide the USGBC with energy and water utility data once the building is operating. To which, Ben Leppard pointed out that ASHRAE will be rolling out its new Building Energy Quotient Program this year (Look for an educational session on this later this year). A copy of Susie's presentation is located on the Chapter website at <http://www.ashraeatlanta.org/> (Click on "Recent Meeting Notes" to download.)

Looking ahead, our next meeting will be the SECOND Tuesday of October – Tuesday, October 13<sup>th</sup>. This meeting will be a lunch meeting beginning at 11:30 a.m. at ASHRAE Headquarters (1791 Tullie Circle, N.E., Atlanta, GA 30329). The topic is "Overview and Update on ASHRAE Standard 62.1-2007". Hoy Bohanon, an ASHRAE Distinguished Lecturer will provide a 1-hour session on the changes to this high-profile standard since its last publication five years ago. Hoy has been an active member of the Standard 62.1 Committee for over 10 years. If you plan on coming to this very important topic, please RSVP via the Atlanta ASHRAE website at <http://www.ashraeatlanta.org/meetings.html>. The cost for this lunch session is \$10 for chapter members, \$20 for non-chapter members, and current students are always free.

Right after Hoy finishes giving us an update on Standard 62.1, he is going to conduct an Education Session on the nitty gritty of applying the Multiple-Zone equations in real, world examples with common mistakes to avoid. This will include a thorough review of the ASHRAE 62.1 calculation spreadsheet. If you want to know how to really use Standard 62.1 for you and your clients maximum benefit, this is a must be at session. Please RSVP via the Atlanta ASHRAE website at <http://www.ashraeatlanta.org/meetings.html>. Just select "Educational Session" from the drop-down menu. The cost for this session is \$50 (current students are free).

Make sure you take a look at the other exciting events coming up with our YEA Group and the Fall Research Promotion Golf Tournament elsewhere in this T'Stat.

I look forward to seeing you at our next chapter event!

John McFarland  
Atlanta Chapter President 2009/2010

Chapter many not act for the Society



## ***October 13, 2009 Atlanta Chapter Program***

***Lunch Meeting Topic:*** ***Standard 62.1 Update***  
***Session:*** ***11:30 AM – 1:00 PM***  
***Speaker:*** ***Hoy Bohanon, PE, WorkingBuildings, LLC***  
***Winston-Salem, NC***  
***Location:*** ***ASHRAE Headquarters***

***Educational Session:*** ***Multi-zone Ventilation Calculations per Standard 62.1***  
***Session:*** ***1:30 PM – 4:30 PM***  
***Speaker:*** ***Hoy Bohanon, PE, WorkingBuildings, LLC***  
***Location:*** ***ASHRAE Headquarters***



### **BIO**

Hoy Bohanon, PE, LEED AP is director of the Carolinas region of WorkingBuildings. WorkingBuildings is a professional services firm whose primary service offering is commissioning for high performance buildings. Mr. Bohanon began his engineering career as a research and design engineer, then gained experience as a project engineer, facilities engineer, facilities manager, indoor air quality research engineer, environmental engineer, and business owner. He has a master's degree in engineering from North Carolina State University, and a bachelor's degree in mechanical engineering from Georgia Institute of Technology.

Mr. Bohanon has written technical papers and articles on indoor air quality, operations, and maintenance and is a frequent presenter at technical society meetings. He is a member of the ASHRAE Standards Committee and is a recipient of the ASHRAE Distinguished Service Award. He is a member of ASHRAE Standard 62.1 committee, *Ventilation for Acceptable Indoor Air Quality*, serves as program chair for SSPC62.1 and TC5.5 Air-to-Air Energy Recovery. He is chair of the US Technical Advisory Group panel 1 (general principles) and panel 4 (indoor air quality) for ISO TC205 *Building Environment Design*. He served on the project committee that wrote *The Indoor Air Quality Guide: Best Practices for Design, Construction and Commissioning* for EPA/ASHRAE/AIA/BOMA /SMACNA/USGBC. He also teaches *Complying with Requirements of ASHRAE Standard 62.1-2007* for the ASHRAE Learning Institute. Mr. Bohanon actively serves on committees of the Professional Engineers of North Carolina, the Winston-Salem Chamber of Commerce, US Green Building Council, and the Triad Early Action Compact.

## \*\*\*ASHRAE Membership Advancement\*\*\*

As the Chair of the ASHRAE Society's Admissions & Advancement Committee, it came to my attention that an awful lot of ASHRAE people are not Members, but are Associates and have been for years, just because they haven't thought or had time to think about upgrading to become a full Member.

All it requires is 12 points. If you have an appropriate Bachelors Degree in engineering or an associated Bachelors, you get 6 points right there. If you are a Registered Engineer, that's another 3 points and to become registered, you have to have at least 4 years experience, which is worth another 4 points. So right there you have 13 points.

If you do not have an accredited degree or are not registered, then all it requires is 12 years experience in the Engineering Field.

I believe that there are lots of people out there who are paying full fees for belonging to ASHRAE, but are still an Associate.

All you need to do is update your Bio at Society and this can be done by going online to <http://www.ashrae.org/membership/page/149> or you can use <http://www.ashrae.org> and enter your e-mail address and your password. After you have done this or if you have already got an updated Bio, then you must e-mail [membership@ashrae.org](mailto:membership@ashrae.org) and state an interest in advancing.

So please consider this as it also helps the Atlanta Chapter and it does not cost you a dime, as your Annual Fee does not change.

Thanks Pat McCabe

## ATLANTA ASHRAE PROGRAMS CALENDAR

	EDUCATIONAL SEMINAR SPEAKER 1:30 to 4:30 pm	EDUCATIONAL SEMINAR TOPIC	Lunch Meeting 11:30 am to 1:00 pm	TOPIC	DINNER SPEAKER Dinner 6:30 to 8:00 pm	DINNER TOPIC
9/15/2009	X	X	Susie Spivey_Tilson tvs Design	LEEDv3- What has changed	X	X
10/13/2009	<u>Hoy Bohanon</u> WorkingBuildings	Multi-zone Ventilation Calculations per Standard 62.1	<u>Hoy Bohanon</u> WorkingBuildings	Standard 62.1 Update	X	X
11/10/2009	X	X	X	X	Barney Burroughs, Building Wellness Consultancy	IAD Design Guide
12/8/2009	<b>Holiday Party @ Mason Murer Fine Arts Museum 7:00 pm - 10:00 pm</b>					
1/12/2010	X	X	TBD	BIM	X	X
2/9/2010	TBD	Energy Modeling	TBD	Energy Modeling	X	X
03/2010	<b>Product Show at the North Atlanta Trade Center the focus will be New Technologies the time to be determined</b>					
4/13/2010	X	X	TBD	Standard 189.1	X	X
05/2010	MAY OUTING	MAY OUTING	MAY OUTING	MAY OUTING	MAY OUTING	MAY OUTING

**DISTINGUISHED LECTURER INDICATED BY UNDERLINE**

**Reservations are NOT required, but seating is limited. Please come early to ensure you have a place  
There will be no tech topic session on the months that have a lunch meeting**

## EDUCATIONAL SEMINARS 2009/2010

At ASHRAE Headquarters  
Prior to Monthly ASHRAE MEETINGS  
(See times below)

PDH credits will be issued for the educational seminars

---

October 13, 2009 @ ASHRAE HQ 1:30PM – 4:30PM	Standard 62.1 Update Hoy Bohanon (Distinguished Lecture) WorkingBuilding Qualifies for 3 hours PDH Cost: \$50.00
February 9, 2010 @ ASHRAE HQ 1:30PM – 4:30PM	Energy Modeling Speaker TBD Qualifies for 3 hours PDH Cost: \$50.00

**\*\*\*ASHRAE MACON SECTION\*\*\***

October 20, 2009

6 pm

American Reinvestment and Recovery Act for Energy Programs

Ben Taube

Executive Director Southeast Energy Efficiency Alliance

Sponsored by Mingledorff's

Join us at Mindledorff's for the first ASHRAE Macon Section meeting. In 2009, the American Reinvestment and Recovery Act has provided billions of dollars for energy programs across the country. The funds, which have been allocated to states, have created a variety of funding opportunities for energy efficiency and renewable energy. Ben Taube of the Southeast Energy Efficiency Alliance (SEEA), a regional NGO focused on the deployment and policies of clean energy, will discuss the variety of funding mechanisms as well as state and federal specific programs.

Prior to his position as Executive Director, Ben served as the Public Affairs Manager for the GREENGUARD Environmental Institute where he was responsible for planning, coordinating and communicating GREENGUARD's activities, capabilities, goals and priorities. Ben has also served as the Environmental Manger for the City of Atlanta. He is currently Chair of the Atlanta Chapter of the USGBC. Mr. Taube has a Bachelors Degree from the University of Memphis and a Masters in Environmental Policy and Management from the University of Denver.

Where: 5527 Thomaston Road, Macon

When: 6PM

Cost: Free, thanks to Mingledorff's

RSVP: Caroline Calloway at [ashraeatl@bellsouth.net](mailto:ashraeatl@bellsouth.net) by October 15, 2009

Save this date for the next meeting November 17, 2009 with DL speaker Dr. Tom Lawrence speaking on ASHRAE 189.





**Atlanta Chapter Fall Golf Tournament**  
**Thursday October 29th, 2009**  
**9 am Shotgun Start**



**Windermere/Canongate Golf Club**  
**5000 Davis Love Drive**  
**Cumming, GA 30041**  
**678-513-1000**

- Format:** (4) Person Lauderdale (best ball) Tournament
- Entry Fee:** \$150 per golfer or \$550 per (4) person team
- Includes:** Green Fees, cart, driving range, post tournament lunch, (2) raffle tickets/player & prizes following tournament
- Registration:** *Deadline to register is **October 15<sup>th</sup>**.*

**List each golfer's name & E-mail**

No.	Golfer Name	E-mail Address
1.		
2.		
3.		
4.*		

***\*\$100 donation goes to Research Promotion in the person's name listed in Slot***

E-mail scanned form to: [Justicebrian@bellsouth.net](mailto:Justicebrian@bellsouth.net)

**Payment:**

Mail form & payment to:  
**Brian Justice**  
**1876 Woodpoint Court**  
**Lawrenceville, GA 30043**

Please make checks payable to “Atlanta ASHRAE Chapter”

**OR**

Visit:

<http://www.ashraeatlanta.org/>

and pay online via



Please feel free to contact Brian Justice @ 770-339-0555  
with questions.



# Atlanta Chapter Fall Golf Tournament

## Sponsorship Levels

### Platinum (\$1,500)

Hole sponsorship for both fall & spring tournament  
(1) 4-Person team for both fall & spring tournament  
Recognized as a "Silver Level" ASHRAE donor

### Gold (\$1,000)

Hole sponsorship for both fall & spring tournament  
(1) 2-Person team for both fall & spring tournament  
Recognized as a "Bronze Level" ASHRAE donor

### Silver (\$400)

Hole sponsorship for both fall & spring tournament  
Recognized as an "Honor Roll" ASHRAE donor

### Lunch Sponsor - Fall only (\$500)

Name displayed at lunch buffet  
Recognized as an "Honor Roll" ASHRAE donor

### Hole Sponsor- Fall only (\$250)

Name displayed on tee box

### Giveaways

Provide item(s) for giveaway raffle - List items below:

---

---

I will gladly pledge my above checked sponsorship(s):

Company Name & Contact: \_\_\_\_\_

Phone number: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_



# **Young Engineers in ASHRAE**

YEA is a group dedicated to providing programs for professionals 35 and under. We are a friendly group who meets about once a month. Please join us at our upcoming events! For more information about YEA and to get on our mailing list, please e-mail [AtlantaYEA@gmail.com](mailto:AtlantaYEA@gmail.com).

---



Pull out your college jersey and join us for College Night!! We will all be supporting our favorite (and hopefully our own!) colleges and universities. We will be meeting at the new restaurant Firkin & Lindbergh in Buckhead's Lindbergh Center. We will be raffling off a golf set (balls, umbrella, tees, towel, etc.) courtesy of Tom Barrow Co. Drinks and food are on your own! Please RSVP to [AtlantaYEA@gmail.com](mailto:AtlantaYEA@gmail.com).

---

Mark your calendars for our November event...

## **YEA goes MAD with Laser Tag and Whirly Ball!!**

Mad Mad Whirled in Marietta

November 5<sup>th</sup>, 2009

\$20 = Unlimited games on both Laser Tag & Whirly Ball! Must prepay to attend.

Full bar is available!

# ASHRAE NEWS

**Below, please check out the list of upcoming ASHRAE Atlanta events:**

- ❖ Fall Golf Tournament on Thursday, October 29th
- ❖ Principals' Luncheon (Fall and/or Spring)
- ❖ Old Codgers and Past Presidents Luncheon
- ❖ Gladiators Hockey Game
- ❖ Spring Golf Tournament

**Also, a list of related events are listed below:**

- ❖ GreenBusiness Works Expo – 09/02-03/2009 (Cobb Galleria Centre)
- ❖ USGBC Greenbuild – 11/10-13/2009 (Phoenix, AZ)
- ❖ ASHRAE Winter Meeting – 01/24-27/2010 (Orlando, FL)
- ❖ Greenprints Conference & Tradeshow – 03/01-02/2010 (Sheraton Atlanta Hotel)
- ❖ ASHRAE Summer Meeting – 06/27-30/2010 (Albuquerque, NM)

**The following Donors will be honored during the lunch meeting**

Mr. Howell E Adams Jr.  
Mr. Michael Eckert  
Mr. Stanley R. Everett  
Dr. Bruce D. Hunn  
Exhausto Inc.  
Lincoln Associates  
Mingledorff's Incorporated  
Price Industries Incorporated  
Tom Barrow Company – Atlanta

# Job Listings

## Instructions for help wanted ads and position wanted ads for the Tstat

Ads will be published for FREE for individual members and student members seeking employment or help and for companies and firms that support ASHRAE and are seeking to employ our members and student members. We especially like to publish ads for firms that support ASHRAE RP and for firms that encourage employees to attend Atlanta ASHRAE events!

No ads for professional recruiting companies without specific openings that are disclosed in the ad and definitely no ads for any firm or agency not genuinely seeking employees. You know who you are, and the T-stat editors will be the sole judges of suitability.

Please keep the ad reasonably short, certainly less than 1 page, and legible in design. Avoid any fine print or fonts smaller than 8 points.

The proposed ad needs to be ready to paste into the newsletter, but we must have WORD files rather than finished PDF in case we must edit it for length.

Please definitely avoid including any high resolution graphics or photos. Such graphics can sometimes create unacceptably large PDF files that are impossible for us to distribute. Please send copy to Ms. Neequaye ([regina.neequaye@me.gatech.edu](mailto:regina.neequaye@me.gatech.edu)) and CC to the publications chair (Sheldon Jeter <[sheldon.jeter@me.gatech.edu](mailto:sheldon.jeter@me.gatech.edu)>).

---

## *Employment Wanted*

*Following this page, find resume's of Job Seekers*

*Attached Resume' (s)*

*1. Jauni Novak*

---

# Jauni Novak

## Current Address:

1400 Chase Place Apt. A2  
Manhattan, KS 66502  
(816) 797-9415

jauni.novak@gmail.com

## Permanent Address:

23701 E Blue Mills Road  
Independence, MO 64058  
(816) 650-6222

---

## OBJECTIVE

Full-time employment for mechanical engineering in building design.

## EDUCATION

Kansas State University, Manhattan, KS

Major: **Architectural Engineering**

Date of graduation: May 2010

Cumulative GPA: **3.5/4.0**

EIT/FE certification upon graduation

*Related Course Work:*

- Written Communication for Engineers
- Advanced Mechanical Systems
- Thermal Systems
- Building Electrical Systems
- Mechanical & Electrical Estimating
- Environmental Controls (Spring 2010)
- Building Energy Analysis (Spring 2010)
- Arch. Eng. Management (Spring 2010)
- Fire Protection/Plumbing
- Integrated Building Design
- Thermodynamics
- Lighting System Design
- Building Communication Systems
- AutoCAD

## EMPLOYMENT

**Arup**, *New York, New York*

*Mechanical Engineering Intern*

*Summer 2009*

- Designed general exhaust and slurry wall exhaust systems for five-story, 140,000ft<sup>2</sup> art museum including load calculations, duct layout and sizing, and single-line diagrams.
- Designed perimeter and stairwell heating systems including load calculations, layout, and equipment selection and discussed with architect.
- Prepared and drafted using AutoCAD single-line diagrams for heating hot water, chilled water, and dry cooler system to be included in CD drawing set.
- Prepared a summary/comparison of types of humidification systems in gallery spaces to be used by owner to make decisions on the preferred system.

*Summer 2008*

- Reviewed manufacturer specifications, technical data, and shop drawings as a construction administrator.
- Analyzed energy usage for a central mechanical plant.

**Whiskey Creek**, *Manhattan, Kansas*

*Server/Bartender, April 2007 – current*

- Responsible for providing guests with an excellent dining experience.
- Utilize effective time management to meet guest needs and provide solutions to complaints.
- Train new employees and act as a member of the serving team.

## ACTIVITIES and HONORS

- Principle oboist of the Kansas State Symphony Band (2007-2009)
- Member of the Kansas Intercollegiate Honor Band (2008-2009)
- Member of ASHRAE.
- Midwest Exchange Scholarship recipient.

References available upon request.



# HISTORY HAPPIN'

## WHAT IS THAT NOISE IN MY WINDOW?

by Pat Gupton

The telephone company engineer was concerned when he called me. Ever since a new air conditioning system was started up on a new building expansion, an elderly little lady in a house on the diametric opposite corner of the block was complaining of noise from the new equipment. Some telephone company public relations people had come down to investigate her complaints, partly because her son was a prominent businessman in the area where the telephone company's office was located. They found that, yes, there was noise coming through her bedroom window from the telephone company equipment. That was verified by cycling the equipment and listening for the starting and stopping of the annoying noise. They had offered to air condition her home so that she would not have to open her window at night. She refused, saying that she preferred to have the sound of the city rather than noise from air conditioning. The engineer asked that I bring an acoustical consultant with me on my inspection that was scheduled for the next week. I agreed to do so.

We decided to make a series of sound level readings during the early morning hours to minimize the effect of background traffic noise. As would have it, a series of race riots broke out in town on the day we came in. I called the city police and asked that they be aware that a pair of guys in work clothes who would be working around the downtown block of the telephone company building with some fancy equipment between 2 and 4 am. They agreed to watch for us and we watched for them. We made readings outside the lady's window and sort of traced our way around the block, making sets of readings wherever there appeared to be any difference in sound levels. We completed our work that night and got to bed.

In the morning, we went to the building and onto the 6<sup>th</sup> floor roof where the equipment was located. We made a series of sound level measurements at the suspected offender: a propeller fan driven air-cooled condensing unit. The acoustical technician reviewed his recordings of the early morning and compared them with the suspected offending sound source. They matched up.

The condenser was the culprit. But how did the noise get to the lady's window when her house was not visible from the roof? To a billiard-playing expert, it would have been readily apparent. A series of caroms. First a tall utility company building across the street,

than to a smaller building around the corner and across the street, and then into the lady's window.

Next was the question of how to stop the noise. Because the noise was fan-generated, and the fan was down inside the steel casing, we decided to cover the casing and the fan ring with heavy sheet lead to absorb the noise. We also recommended that a transition duct be fabricated to provide a sort of evas'e outlet on the vertical fan discharge to reduce the discharge velocity and, hopefully, to reduce the noise level generated by the fan.

Our recommendations were implemented but the noise complaints continued. It was now mid-summer and the lady had been complaining for 6 to 8 weeks. The PR guys from headquarters were coming down every week to have ice cream and cokes with the lady but she was getting tired of it all.

Finally, the condenser manufacturer's field service technician was at the site to review another problem when he saw all the added contraptions on the condenser. "What on earth are those?" he asked. When the building maintenance man explained all the problems with noise, the manufacturer's technician said "I can stop that noise with no problem." He removed the evas'e outlet and the safety screen, and then adjusted the variable pitch drive on the fan motor. He listened to the fan carefully for a few minutes then made another adjustment. The high pitched noise that had been causing the problem was reduced dramatically. "I have to do that all the time," he said.

The telephone company PR men were notified of the change. They called the little lady that evening and were delighted to hear "Everything is all right now but I am going to miss the ice cream and cokes with you".

What I learned about HVAC from this was to always bring in an experienced manufacturer's field service technician when there is a problem of any sort with their equipment. They often have a simple solutions to what could become a very involved problem, such as this one had become.

Edited by Pam Immekus, Historian

*Re-print from March 2007 T STAT*

## ADDRESS REMOVAL, ADDITION, or CHANGE

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks.

If you need a change in our email list, please notify Sheldon Jeter as specified below.

If (sadly) you really do wish to be off our newsletter distribution list, please let us know by emailing to <ashrae@mail.gatech.edu>. Please give your email addresses in plain text, so it can be found to remove it. Please help us monitor for your message by putting the word "REMOVE" in the subject line. Thanks.

If you have a friend or colleague who needs to be added to our list or if you want to add an extra address for yourself, let us know by emailing to <ashrae@mail.gatech.edu>. Please give the email address in plain text and please put the word "ADDITION" in the subject line. Thanks.

If your email address needs to be changed, please send to <ashrae@mail.gatech.edu> both the OLD and the NEW email addresses in plain text (so the old one can be found to be changed) and please put the word "CHANGE" in the subject line. You might also want to update your contact info at ASHRAE.org as well.

Thanks, Sheldon

Atlanta Chapter ASHRAE  
John McFarland  
Atlanta ASHRAE President 2009/2010

### CHANGE OF ADDRESS

To change your address you MUST tell ASHRAE Society in writing. Please do not contact the Atlanta Chapter: our mailing list is generated from the Society's database.

CHAPTER MAY NOT ACT FOR THE SOCIETY

