



ASHRAE

THIN-AIR BULLETIN

American Society of Heating, Refrigeration, and Air Conditioning Engineers NM Chapter Region IX Albuquerque, NM - May. 2011

May Meeting

WHEN: Tuesday May 10. 2011

Starting at 5:30 pm Meet and Greet

6:30 pm Dinner Presentation

COST: \$20 ASHRAE Members \$25 Non Members

WHERE: Pappadeaux Seafood Kitchen

5011 Pan American West Fwy NE

Albuquerque, NM

RSVP to Charlie Scoggin by Friday May 6th.

Email: scoggin@nationalheat.com

Speaker Topic:

The popularity of dedicated outdoor-air systems (DOAS) continues to increase, as clients and codes require higher levels of indoor-air quality and energy costs continue to escalate. The use of enthalpy recovery further enhances the benefits of DOAS by allowing outdoor-air-equipment-size reductions, further annual energy savings, and improved humidity control. This presentation will discuss those benefits, the practical application of energy recovery, and other system design considerations for optimizing DOAS performance.

Speaker:

The presenter is Rebecca Gatzke, General Manager, Tempered Air Products, Greenheck Fan, Schofield, Wisconsin. Ms. Gatzke has a Bachelor of Science, Mechanical Engineering from Michigan Technological University and a Master of Business Administration from the University of Wisconsin-Madison. She has over 13 years experience with energy recovery ventilation systems.

President's Message

ASHRAE Members,

As our year for ASHRAE nears its end, we want to take this opportunity to thank all of you who have supported the NM Chapter and helped make this a great year for us. Let's finish it off great by continuing with showing your support for the science fair student winners we will be acknowledging at next month's ASHRAE dinner. We will be giving (2) students an award for their achievements who were selected by our ASHRAE judges. We will also have several UNM/CNM students who will be attending to display and discuss their projects with our Chapter.

Keep a look out for the golf tournament flyer and turn those in ASAP, it should be a great time over at Sandia Golf Course. If you have any questions on this, please contact Erin Coffman who is our golf tournament chairperson.

We continue to solicit your input for our chapter meetings next year, if you have any suggestions please contact one of the board members with your request. Thanks again for a great year and we look forward to seeing you next month.

J.R. Sunderman

President NM ASHRAE Chapter 2010-2011



Membership:

Don't forget to promote ASHRAE and Benefits of ASHRAE Membership with your co-workers and customers.

Thanks,
Allen Anaya
allen@wmcarroll.com
cell: 505-385-7338

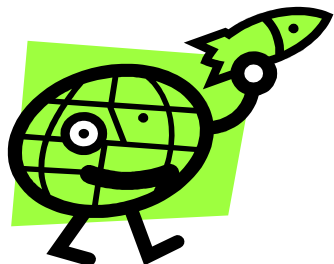
The New Mexico Chapter of ASHRAE

would like to recognize the following Winners for their excellent science/engineering exhibits in the **2011 Central New Mexico Science and Engineering Research Challenge.**

Kelsey Hayes
Exhibit Title: Roof Top Water Heater

Mary Spanjers
Exhibit Title: Using Heat Capacity to Make a Better Building Material

Great Job and keep up the excellent work in engineering and science!



www.newmexicoashrae.org

From the History **SIDE LINES**

Did you read the HISTORICAL MINUTE on the front of the ASHRAE Insights for April 2011?

If not, here it is:

“At the opening of one of their theaters the engineer undertook to cool the building. The outside air was 85° F. The outside air was taken into a fan through a large galvanized iron duct. Into this duct they placed a number of wire baskets filled with crushed ice. The baskets were so arranged that the air entering the fan had to pass over or through the ice. The engineer succeeded in reducing the temperature of the auditorium to 70° F but it kept four ice men hauling ice to the building as fast as they could go.” – Theodore Weinshank, describing a cooling method at an Indianapolis theater at an ASHVE “Topical Discussion” on air washers and air cooling in 1907.



STUDENT ACTIVITIES

YEA Leadership Weekend By Joe Higham – jbhigham@gmail.com

During the weekend of April 1-3, I had the pleasure of attending a great event hosted by Young Engineers in ASHRAE (YEA). 30 young engineers from around the world gathered in Denver to share ideas and develop strategies for improving ASHRAE participation rates among young engineers. I have come back to New Mexico with many great ideas and you should begin seeing new initiatives from the New Mexico chapter soon.

We were also able to tour the National Renewable Energy Lab. They have recently completed construction of 200,000 SF of new office space. The new buildings take advantage of the best of current building technology, while experimenting with new technologies to further building energy efficiency.

I am still Student Activities Chairman and I need your help. If you have judged a science fair, spoken in front of a class or participated in an event with students where you shared information about engineering or science please send me an email.

2011 NM CHAPTER GOLF TOURNAMENT

It's that time of year again ... golf season! Save the date in your calendars for the annual ASHRAE Golf Tournament!

When: July 29th, 2011
Where: Sandia Golf Club
Cost: \$115 per person

Hole Sponsorship: \$150
Beverage Sponsorship: \$200



Contact Joe Higham for more information, jhigham@nswnm.com,

CHAPTER/REGIONAL TECHNOLOGY AWARD - SHORT FORM

1. Category (Check one and indicate New or Existing, if applicable)

- | | |
|--|---|
| <input type="checkbox"/> Commercial Buildings | <input type="checkbox"/> New or <input type="checkbox"/> Existing |
| Institutional Buildings: | |
| <input type="checkbox"/> Educational Facilities | <input type="checkbox"/> New or <input type="checkbox"/> Existing |
| <input type="checkbox"/> Other Institutional | <input type="checkbox"/> New or <input type="checkbox"/> Existing |
| <input type="checkbox"/> Health Care Facilities | <input type="checkbox"/> New or <input type="checkbox"/> Existing |
| <input type="checkbox"/> Industrial Facilities or Processes | <input type="checkbox"/> New or <input type="checkbox"/> Existing |
| <input type="checkbox"/> Public Assembly | <input type="checkbox"/> New or <input type="checkbox"/> Existing |
| <input type="checkbox"/> Residential (Single and Multi-Family) | |

2. Name of Building or Project:

City/State:

3. Project Description:

Project Study/Design Period:

Has the project been completed? Yes No

If YES, date completed:

If NO, scheduled date of completion (or other explanation):

4. Entrant (ASHRAE member with significant role in project) If multiple entrants, all must be listed.

a. Name:

Last

First

Middle

Membership Number:

Chapter:

Region:

b. Address (including country):

City

State/Province

Zip/Country Code

c. Telephone: Office

d. E-mail address:

e. Company:

f. Member's Role in Project:

g. Member's Signature:

5. Engineer of Record:

By affixing my signature above, I certify that the information contained in this application is accurate to the best of my knowledge. In addition, I certify that I have discussed this entry with the owner and have received permission from the owner to submit this project to the ASHRAE Technology Awards Competition.

2011 ASHRAE GOLF TOURNAMENT



Friday July 29th 2011

6:45 A.M. Registration

2010 Hole Sponsors

ARSED Engineering
Automated Control Systems
Boyd Engineering Supply Co.
Bridgers & Paxton Consulting
Engineers
CAC, Inc.
CaptiveAire
Climatec Inc.
Coupland-Moran Engineers Inc.
Daikin AC
Ebtron
EEI
Engineered Equipment Sales &
Testing
Energy Control, Inc.
George Yardley Co.
Johnson Controls
The Johnston Co.
Mannatech
Mechanical Concepts
Mechanical Representatives
McQuay International
Miller Bonded, Inc.
National Heating and Ventilation
NM Sheet Metal Contractor
Association
Norman S. Wright
Sigler
The Socha Co.
Southwest Trane
W.M. Carroll, LLC
Yearout Mechanical

2010 Beverage Sponsors

Climatech
Hanna Plumbing & Heating
George Yardley Co.
National Heating and Ventilation
Yearout Mechanical

PLAYER REGISTRATION

Registration Deadline: July 21nd  Entry Fee: \$115 per person  Fee includes range balls, golf cart, lunch, green fees.

Name _____ Company _____

Email _____ Phone _____

TEAM MEMBERS/HANDICAP

1) _____ / _____ 2) _____ / _____

3) _____ / _____ 4) _____ / _____

PRIZE DONATIONS

Please donate your logo hats, water bottles, golf balls, pens, cups, shirts, putters, drivers, golf bags, dinners for two, etc.!
All donations will be recognized in the ASHRAE Newsletter.

Description of Prize(s):

Feature Prizes: Includes a sign with the sponsor name.

Closest to the Pin Hole # _____ Closest to the Water Hole # _____

Longest Drive Hole # _____ Longest Drive Hole # _____

2011 HOLE & BEVERAGE SPONSORSHIP

Company Name _____ Company Contact _____

Email _____ Phone _____

PLEDGE: \$150 Per Hole x _____ = \$ _____

\$200 Beverage x _____ = \$ _____

TOTAL PLEDGE: \$ _____

Please mail all pledges and prize donations by July 22nd or call Joe for pick up. Make checks payable to New Mexico ASHRAE and mail with form to:

Norman S. Wright Co.

ATTN: Joe Higham

4303 Ellison St NE

Albuquerque, NM 87109

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