



# Thin Air Bulletin

February 2018

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## February Meeting Announcement

Join us for our first meeting of the year. Topic is "**Understanding HVAC and Plant Dynamics in Grow Room Applications:**" by Jim McKillip.

Date: Tuesday, February 20, 2018

Time: 11:30am - 1:00pm

Location: [Pappadeaux Kitchen](#)

Cost: \$25 (members), \$30 (guests)

[Register for the Albuquerque meeting here.](#)

A repeat presentation will be held in Los Alamos on Wednesday, Feb 21 from 11:30pm - 1:00pm. Location is UNM-Los Alamos (Wallace Hall, Bldg 5, Room 505). [Register for the Los Alamos meeting here.](#)

### Presentation Info

The presentation will include a basic description of plant physiology and will show why the typical HVAC design for grow rooms is not working as designed. It will discuss the various alternatives for maintaining the crucial temperature and humidity control and is vital for proper plant growth and maximizing yield.

## Message from the President

Dear New Mexico ASHRAE members:

As we progress further into 2018, it is my hope that all of you are enjoying the journey so far.

The ASHRAE Winter Conference and AHR Expo wrapped up January 24<sup>th</sup> in Chicago. As always, there were wonderful opportunities to learn, and experience what our industry is all about. The attendees benefitted greatly from the experience.

In addition to the technical programs and the AHR Expo, New Mexico's own Rex Stockwell was recognized as an ASHRAE Fellow at this year's winter conference. We are fortunate to have Rex in our chapter and appreciate the contributions he has made, and continues to make to ASHRAE.

Every year our chapter recognizes outstanding local middle and high school students for their participation in the Central New Mexico Science and Research Challenge. Special Award judging will take place on Friday, March 23, 2018 from 12:00 p.m. - 3:45 p.m. If interested in becoming a judge, please contact me. This year we will be awarding two scholarships, in the amount of \$250 each, to the individuals or teams that our judges deem the most outstanding. As it is vital to encourage participation in engineering and science, this year's scholarship has been increased from \$100 each in previous years. The scholarship recipients will be recognized at a future New Mexico chapter meeting.

As always, you can contact me at [jhine@siglers.com](mailto:jhine@siglers.com) with any questions, ideas, suggestions and input you might have regarding anything and everything ASHRAE.

Sincerely,  
Jerry Hine, P.E.  
New Mexico Chapter President  
2017-2018

## Message from the Chapter Technology Transfer Chair

The January presentation, "The Essential Role of IAQ in Patient Outcomes" by Dr. Stephanie Tylor and the December presentation "Pathway to Zero Energy Buildings" by Paul Torcellini are both available on our website at [newmexicoashrae.org/links](http://newmexicoashrae.org/links).

In addition, the ASHRAE Advanced Energy Design Guide: Achieving Zero Energy, K-12 Schools, chaired by Paul Torcellini, is now available for free download at [www.ashrae.org/freeaedg](http://www.ashrae.org/freeaedg)

## Research Promotion Trap Shoot



4/6/2018 from 9 am to Noon

5 Shooters per team – only 8 teams available!

Sign up begins 2/8/18 at 3pm

\$500 per team, \$100 per shooter

\$250 per sponsorship – only 8 sponsorships available!

Registration includes breakfast burritos, coffee, top shooter prize, team prizes and ammunition for competition.

Sign up: [2018 Research Promotion Trap Shoot - Shooter Registration](#)

Sponsor: [2018 Research Promotion Trap Shoot - Sponsor Registration](#)

[9617 Broadway Blvd SE, Albuquerque, NM 87105](#)

All proceeds go to Research Promotion and New Mexico Chapter Endowment

## **Upcoming Events**

Feb 20 Chapter Meeting

Understanding HVAC and Plant Dynamics

11:30am – 1:00pm

Pappadeux Kitchen

Feb 21 Los Alamos Meeting

Understanding HVAC and Plant Dynamics (Repeat)

11:30am – 1:00pm

UNM-Los Alamos, Wallace Hall, Bldg 5, Rm 505

March 20 Chapter Meeting - Spring Membership Meeting

Distinguished Lecturer Dan Int-Hout

You Can't Afford Discomfort

11:30am – 1:00pm

Pappadeux Kitchen

March 21 Los Alamos Meeting

Distinguished Lecturer Dan Int-Hout

You Can't Afford Discomfort (Repeat)

11:30am – 1:00pm

Location TBA

Research Promotion Trap Shoot

April 6th

9:00 am - 12:00 pm

Albuquerque Trap Club

April 17 Chapter Meeting, Joint meeting with IFMA

Distinguished Lecturer Hoy Bohanon

How to Implement Demand Control Ventilation and Comply with ASHRAE Stds

11:30am – 1:00pm

Pappadeux Kitchen

April 17 Los Alamos Meeting

Distinguished Lecturer Hoy Bohanon

How to Implement Demand Control Ventilation and Comply with ASHRAE Stds (Repeat)

5:30pm – 7:00pm

Location TBA

[In Other News...](#)

## History: February 1978

Chapter Officers were:

- President: Jerry Tankersley
- President-Elect: Larry Hood
- Secretary: Pete Golwas
- Treasurer: David Summers

The program was Solar Assisted Heat Pumps. The speaker was Jerry Alcone of Sandia National Labs.

There was an announcement of an upcoming Solar School to be conducted by the NM Chapter beginning March 16. The class was held every Thursday for six weeks.

## Grassroots Government Advocacy Committee

Hello NM Chapter,

I hope the new year is going well so far and things are moving forward for everyone. Here are a few articles I'd like to share with you all regarding our industry.

Titan development announces four new storage facility projects in New Mexico, climate control seems to be an important key in this project which means more HVAC. See Article here.

<https://www.bizjournals.com/albuquerque/news/2018/01/22/titan-development-announces-four-new-storage.html>

New year, more construction. Top golf wants to tee off in Albuquerque which means another big project for our industry. See article here.

<https://www.bizjournals.com/albuquerque/news/2018/01/10/topgolf-wants-to-tee-off-in-albuquerque.html>

Respectfully,  
Alex Quintero  
Grassroots Government Advocacy Chair  
ASHRAE NM Chapter

## Local Job Listings

**Job Title: Mechanical Engineer**

Company Name: WHPacific, Inc.

Website Link: [www.whpacific.com](http://www.whpacific.com)

Seeking qualified Mechanical Engineers for its Albuquerque Office 5-10 years experience in HVAC design or engineering for commercial and industrial facilities, proficient with ACAD MEP and/or Revit, and a team player. New Mexico PE preferred. Submit cover letter and resume on [www.whpacific.com](http://www.whpacific.com) . WHPacific offers competitive salaries and benefits.

**Job Title: Plumbing Engineer**

Company Name: Bridgers & Paxton Consulting Engineers, Inc.

Website Link: [www.bpce.com](http://www.bpce.com)

Contact Information: Employee Services

Seeking qualified Plumbing Engineers/Designers for its Albuquerque Office 3-20 years experience in plumbing piping design or engineering for commercial, industrial, medical, and laboratory facilities, proficient with ACAD MEP and/or Revit, and a team player. Submit cover letter and resume on [www.bpce.com](http://www.bpce.com) B&P offers competitive salaries and benefits as well as 4 ½ day work weeks in a progressive, cooperative, and friendly atmosphere.

**Job Title: Mechanical Engineer**

Company Name: Bridgers & Paxton Consulting Engineers, Inc.

Website Link [www.bpce.com](http://www.bpce.com)

Contact Information: Employee Services

Seeking a Mechanical Engineer with 8 plus years of experience in the design of building mechanical systems. Successful candidate must be capable of obtaining and maintaining a security clearance. Design experience with office and laboratory systems desired. Work may include new facility design, major renovation, and operations and maintenance type equipment replacement. Energy modeling, LEED, and REVIT/Microstation experience a plus. Submit cover letter and resume on [www.bpce.com](http://www.bpce.com) B&P offers competitive salaries and benefits as well as 4 ½ day work weeks in a progressive, cooperative, and friendly atmosphere.

*For info on how to submit a job listing, refer to [newmexicoashrae.org/jobs](http://newmexicoashrae.org/jobs)*

## Become ASHRAE Certified

ASHRAE Certifications are developed by industry practitioners who understand the knowledge and experience that are expected for superior building design and system operation. Certifications assure employers and clients of subject mastery, and serve as a springboard for continued professional development. ASHRAE Certifications are available in the following:

- BCxP: Building Commissioning Professional
- BEAP: Building Energy Assessment Professional
- BEMP: Building Energy Modeling Professional
- CPMP: Commissioning Process Management Professional

- HBDP: High-Performance Building Design Professional
- HFDP: Healthcare Facility Design Professional
- OPMP: Operations and Performance Management Professional

For more information: [www.ashrae.org/education-certification/certification](http://www.ashrae.org/education-certification/certification)

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## Society News and Opportunities

[ASHRAE New Standard 90.1 Portal Offers Centralized Resources to Users](#)

[New Advanced Energy Design Guide Available to Help K-12 Schools Achieve Zero Energy](#)

[ASHRAE Launches New Building Energy Quotient Portal](#)

[ASHRAE Earns Prestigious UN Environment Award for Dedication in Advancing Montreal Protocol](#)

[ASHRAE Publishes 2017 Version of Standard 55](#)

More news at [ashrae.org/news](http://ashrae.org/news)

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