



# Thin Air Bulletin

May 2018

## May Chapter Meetings

### Albuquerque

Join us for our last meeting of the fiscal year and our Student Awards night. Our technical topic is "*The New Legionella Standard: ANSI/ASHRAE 188-2015 'Legionellosis: Risk Management for Building Water Systems'*" by Distinguished Lecturer Pat Graef, PE. Note this is a dinner meeting.

Date: Tuesday, May 15

Time: 5:30pm - 7:00pm

Location: [Pappadeaux Kitchen](#)

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

[RVSP for the Albuquerque meeting](#)

### Los Alamos

Join us for a repeat presentation of the Albuquerque meeting. The topic is "*The New Legionella Standard: ANSI/ASHRAE 188-2015 'Legionellosis: Risk Management for Building Water Systems'*" by Distinguished Lecturer Pat Graef, PE. This is a lunch meeting.

Date: Wednesday, May 16

Time: 11:30 am - 1:00pm

Location: Los Alamos National Laboratory, Otowi Building, Room TBD (Uncleared Area, Visitors from outside the Lab are welcome).

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

[RVSP for the Los Alamos meeting](#)

### Presentation Summary

ANSI/ASHRAE 188 first published in June 2015 establishes minimum Legionellosis risk management requirements for building water systems. This session provides an overview of Legionella bacteria, its source, how it is amplified, how it is transmitted and who is susceptible. There will be a detailed look at the standard, the background on its development and what is required for its application and adoption. Specific topics include the framework for legionella bacteria control measures, health care facility requirements, requirements for adopting a Water Management Program for specific devices such as cooling towers, ornamental fountains, spas, etc., elements of a Water Management Program, and designer requirements

### Speaker Bio



Patricia Graef, P.E., Fellow ASHRAE, LEED GA, is senior Engineer, Munters Corp., Fort Myers, Fla. Patricia Graef has spent the past 44 years focusing on engineering and developing products that control temperature and moisture in building air as well as the water associated with the processes.

In ASHRAE she has been a voting member of Guideline 12 Managing the Risk of Legionellosis Associated With Building Water Systems since 1995 and Standard 188 Legionellosis: Risk Management for Building Water Systems since 2004. She has contributed to four ASHRAE handbook chapters including Water Treatment, Humidification, Evaporative Cooling, and Gas Turbine Inlet Cooling.

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## Technical Session - May 15

Pat Graef will be speaking an extra technical session before the dinner meeting in Albuquerque on "A Review of Psychrometrics".

Date: Tuesday, May 15

Time: 4:30pm - 5:30pm

Location: [Pappadeaux Kitchen](#)

Cost: FREE

[RVSP here](#) or email [skchan@bpce.com](mailto:skchan@bpce.com)

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## Message from the President

Dear New Mexico ASHRAE members:

May is here. The birds are singing. Soon it will be summer. Like every year, we will take a few months off from our chapter lunch meetings for summer break.

Thank you for attending April's chapter meeting on demand controlled ventilation. The luncheon was well attended, and there was a lot of enthusiasm about the topic at the Albuquerque meeting, as well as the Los Alamos section meeting. I think all that attended gained a better insight into the application and advantages of DCV.

Our May Chapter meeting topic is ANSI/ASHRAE 188-2015 Legionellosis: Risk Management for Building Water Systems. The presentation by ASHRAE Distinguished Lecturer Pat Graef, PE, will be held May 15<sup>th</sup> at 5:30 at Pappadeaux. The chapter will also recognize the New Mexico STEM Challenge scholarship winners at the meeting. Thank you for your support of ASHRAE. I will see all of you all at the May chapter meeting.

After that, I hope you all have a great summer! I look forward to seeing all of you next fall. Please feel free to 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

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## Research Promotions Trap Shot Results

Dear Members,

On April 6<sup>th</sup> the Chapter held its first annual ASHRAE RP Trap Shoot Event. Four teams competed to win the right to call themselves the best trap shooters in the New Mexico HVAC industry. There were some fine shooting displays with Michael Weix of Bridgers and Paxton Consulting Engineers hitting 89 out of 100 opportunities in the preliminary rounds. All in all it was a beautiful day with just enough haze to keep the temperature down and no wind to effect the flight of the clay pigeons. We hope that you will join us in 2019 to continue to support ASHRAE Research.



[More photos available on our website.](#)

Sincerely,

Stephen Forner  
RP Chair

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## Survey for 2018-2019 Speakers

Good morning ASHRAE NM Members!

You may recognize me as the person checking you in at our monthly chapter meetings. While I am currently our chapter's Treasurer and Secretary, starting in September I am excited to become the President-Elect and [Chapter Technology Transfer Committee](#) (CTTC) Chair. One of my primary duties will be to organize our meetings, including the topics, speakers, locations, times, etc. As I start to plan our 2018-19 meeting schedule, I realize the benefit in reaching out to see where your interests lie. Please find some time to fill out the following 9 question survey, and I will use the information to create the best meetings I can for the chapter!

[2018-19 Member Survey](#)

Thank you!  
Trevor Keegan  
Treasurer

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## Student Activities

Thank you for those who volunteered to judge March's Science Fair. The event was a great opportunity to see the growth of the science & engineering field. Within the hundreds of projects, 2 were chosen as the ASHRAE NM winners. The Junior category winner was project called "Evaporation Sensation", researched and presented by a young gentleman by the name of Mark Stotzer. Mark researched the science and engineering behind evaporation and used a number of swamp cooler pads with a mixture of different liquids in order to maximize the cooling efficiency of the cooler.

The Senior category winner was a project called "Home of the Future", researched and presented by two high schools students, Conner Kohen and Brittany Everett. Conner and Brittany used the integration of Bluetooth programming within a domestic home setting to help conserve energy usage. Using smartphones, wifi and a Bluetooth hub, the user is able to leave a room without the need to turn off lights as they go. This comes in handy when occupants forget to turn off lights and various other electronic devices while out of the house, consequently saving money on electric bills.

Our winners are invited to our May Chapter meeting in Albuquerque.

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## From the History Books - May 1993

Chapter Officers were:

President.....Steve Maggert  
President-Elect.....Mike Slaman  
Secretary.....Al Guera  
Treasurer.....Harold Trujillo

The program featured a panel of facility managers from the Albuquerque area. Topics of discussion were:

- Understanding of facility managers operation

- Design team information dissemination
- Improved communication among the design team
- Facility managers view of the performance of the design team

The New Mexico Chapter held a Mini-shotgun golf outing on May 21.

The New Mexico Chapter presented two Science Fair Awards to students from Jefferson Middle School and Saint Pius X High School.

John Grapsas, Research Promotion Chairman, had collected \$7,425.00 by the publication date of the Thin-Air Bulletin.

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## Women in ASHRAE Meet and Greet



with Pat Graef

**Wednesday, May 16**  
**5 pm – 7 pm**

Join us for light refreshments and wine at Gruet Winery Tasting Room. Unwind and meet distinguished lecturer Patricia Graef and connect with other women in our local chapter.

**Gruet Winery**  
8400 Pan American Fwy NE  
Albuquerque, NM 87113

*This event is sponsored by ASHRE New Mexico  
YEA and Membership Promotions Committees.*

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## **Affiliate Networking Event - Save the Date!**

In spirit of Society President Bjarne Olsen's theme of "Extend", ASHRAE New Mexico is co-sponsoring an affiliate networking event.

**Thursday, June 28**

More details to come.

ASHRAE, NMSPE, AIA, WiD:NM, ASLA, ASCE, ITE, CSI ABQ

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## **Annual Golf Tournament - Save the Date!**



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## **Conferences**



[Annual Summer Conference](#)

Houston, Texas  
June 23 - 27



[Region IX Conference of Regional Chapters](#)

Sioux Fall, South Dakota  
Aug 2 - 5

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