



Alaska Chapter

September 2012

Alaska Chapter Newsletter
Hot Gas Bypass

Anchorage Meeting Information

Presentation:

AHRI 400 Certification for Heat Exchangers

Date:

Thursday, September 20th, 2012

Time:

11:30am, Lunch is served
12:00 pm, Presentation begins

Location:

Westmark Hotel, 720 W 5th Avenue

Cost:

Members: \$25.00
Students: \$10.00

Alaska Chapter Officers and Chairs

Ginger Schaaf, President
gschaaf@stinebaugh.com

Logan Creelman, Vice-President
richard.creelman@urs.com

Greg Jernstrom, Secretary
gjernstrom@jernstromengineering.com

Steffen Peuker, Treasurer
speuker2@uaa.alaska.edu

Vacant, Nominating Chair

Troy Nibert, Membership
tnibert@proctorsales.com

Mak Kampen, Student Activities
matthew.kampen@contractor.conocophillips.com

Jeff Hurd, Technology Transfer
jeff.hurd@awwu.biz

Jessi Cherry, Research Promotion
jcherry@msicontrols.com

Keith Reed, Historian
kreed@ssialaska.com

President's Message

Dear Alaska ASHRAE:

Welcome Back! It's that time of year again when the Alaska Chapter of ASHRAE will be pushing forth full steam ahead. We are coming off of a very successful year under the leadership of our 2011-2012 Past President Jessi Cherry. I would like to thank Jessi for all of the time and energy she dedicated to our chapter last year. Under her leadership, our chapter's success was recognized with numerous awards at our annual Chapters Regional Conference (CRC) in Winnipeg this past May.

The only way that we can continue this success is with YOU! Get involved! Volunteer!! We have opportunities within the Nominations, History, CTTC, Student Activities, Research Promotion, Membership and a newly created Fundraising committee.

We have a great list of programs scheduled this year under the direction of Logan Creelman. All meetings will continue to be on the third Thursday of the month, except for December when we hope to give everyone a little extra time to prepare for the holidays. Please pay close attention to each meeting announcement as we are introducing more lunch meetings into the schedule this year.

I am looking forward to working for you and the chapter as your President. If you have any questions or concerns, or would like to get more involved, please feel free to email, phone, or just grab me during one of our monthly meetings.

Ginger Schaaf
President, Alaska Chapter ASHRAE
gschaaf@stinebaugh.com

Hot Gas Bypass Index:

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Mailing Address:
ASHRAE Alaska Chapter
PO Box 244503
Anchorage, AK 99524-4503

Website:
www.alaska.ashraechapters.org





Anchorage Meeting Program:

Matthew Coplan



Globally Recognized. Industry Respected.

This presentation will cover AHRI 400 Certification for Heat Exchangers, including how this certification will benefit Design Engineers, Mechanical Contractors, and End users. It will also include what ASHRAE 90.1 will do for AHRI 400, and the saving related to AHRI certified designs.

Matthew Coplan is currently Alfa Laval's Western Regional Manager for HVAC. With 10 years experience in the heating and cooling industry, he previously was an Account executive with Spirax Sarco Inc .

Lunch Meeting!!!

RSVP NOW to reserve your seat!!

Please RSVP to Greg Jernstrom gjernstrom@jernstromengineering.com no later than NOON on Tuesday, September 18th. This meeting will be located back at the Westmark (720 West 5th Avenue, Anchorage, AK). The cost for the lunch meeting is \$25 with RSVP, \$30 without RSVP. If you RSVP and do not show up, you will be charged \$30. Please contact me if you find that you can no longer attend and need to cancel your RSVP.

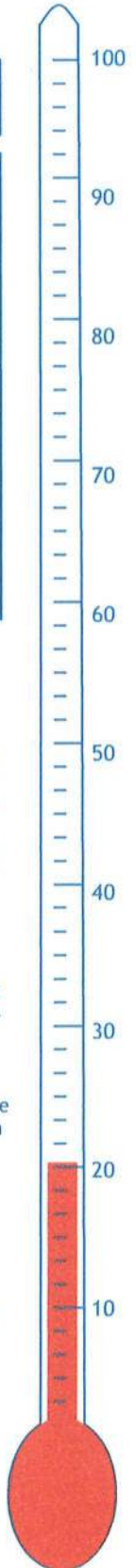
Date: Thursday, September 20th
Lunch and Meeting: **11:30am**
Program: **12:00pm**



Research Promotion:

2012-2013 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	<u>Individuals (continued)</u>
<p><u>\$1000 & Over</u> Meridian Systems, Inc.</p> <p><u>\$500—\$999</u></p> <p><u>\$150—\$499</u> EDC, Incorporated</p> <p><u>Up to \$149</u></p>	<p><u>\$1000 & Over</u></p> <p><u>\$250—\$999</u> Jessi Cherry</p>	<p><u>\$100—\$249</u> Michael Cooper Logan Creelman Gregory Jernstrom Mak Kampen Douglas LeCren Steffen Peuker</p> <p><u>Up to \$100</u> Ray Sieber</p>



Fellow ASHRAE Members,

Happy September! Welcome to another great ASHRAE Season!!! Our Research Promotion Goal for this year has been raised to \$11,000. So far, we have already raised \$2,052 from donations.

ASHRAE Research is essential to updates that are made to the Society's standards and guidelines, which provide uniform methods of testing for rating purposes. The standards and guidelines suggest safe practices for design and installation and provide other information which guides the industry. There are currently more than 100 ASHRAE standards and guidelines. Every dollar that is donated goes to ASHRAE Research! 100%!

If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

1. Go to <http://www.ashraerp.com> and click on "donate".
2. You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
3. You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

All of your donations are greatly appreciated!

If you have already made a donation, your name should appear at the top of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation, or with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,
Jessi Cherry
Research Promotion Chair/Past President

"Only an organization such as ASHRAE has the continuity, the ability to generate research funding, and is able to attract researchers from disparate backgrounds and institutions, and provide a forum to integrate their knowledge to advance the science of HVAC&R engineering and the art of human comfort" -RP Investor





Regional Activities:

Letter from Erich Binder:

My fellow ASHRAE members:

I am writing to ask you to join me at the 7th International Cold Climate HVAC Conference, Nov. 12-14, in Calgary, Alberta. ASHRAE is hosting and organizing the conference with support from REHVA, a co-sponsor, and SCANVAC, the conference originator. This is the first time the event has been held in North America.

As a long-time ASHRAE conference attendee, I assure you that you'll want to experience first-hand this dynamic event. By attending the Conference, the technical tours and social events, you have an opportunity to discuss and examine the latest topics in the cold climate building industry.

This conference creates the ideal atmosphere for those interested in advancing the cold climate building industry to network with individuals from over 15 countries, review the papers describing the latest technology and learn about the innovations in cold climate HVAC design in such areas as:

- Air Cleaning Codes and Standards
- Building Envelope
- Comfort and Productivity
- Energy Modeling
- Equipment Performance
- Heat Pumps
- Housing and Small Building Applications
- Industrial and Institutional Applications

The networking and opportunities to learn current industry best practices that you can take back to your employer are tremendous! On behalf of the conference committee we are looking forward to seeing in Calgary in November.

You can find complete conference information at www.ashrae.org/ColdClimate

Sincerely,
Erich Binder
Chair — 7th International Cold Climate HVAC Conference

For information on ASHRAE Press Releases for 2012 please select the following link:

[ASHRAE Press Releases](#)

Don't forget to follow ASHRAE on your favorite media networks:

facebook

twitter

LinkedIn



Student Activities Report:

The UAA student chapter has kicked-off their school year and they are off to a great start. The student chapter is already providing ideas for events, tours, and presentations that we hope will instill further interest and excitement with regards to our industry and provide opportunities to draw in more members.

We hope to see more student participation at the monthly meetings. These students are eager to meet and talk with all of our chapter members as well as learn more about engineering and opportunities after college. Please introduce yourself and meet some of these bright young people.

The UAA student chapter is always looking for presenters for their meetings. Our goal is to give the students an idea of each of the opportunities available for new engineers. Anyone who is interested in doing a presentation about your business, new and exciting technology, engineering, ASHRAE involvement, mechanical system design, or other related topics please contact me. The UAA student chapter anticipates meeting twice monthly.

Presenting at these meetings will also give you an opportunity to meet new local talent, while giving students an opportunity to explore different career opportunities within the engineering field.

I would also like to encourage our chapter members to reach out to the K-12 schools. It is important to get students excited early about math, science, and engineering. If you want to get involved and don't quite know how to get started, please contact me. I am always will to make connections or help with other resources.

Sincerely,
 Matthew "MAK" Kampen, P.E.
 Student Activities Chair
 907.265.1403
matthew.kampen@contractor.conocophillips.com

Membership Report:

Welcome to another year of ASHRAE, we are starting our year off with six new members — Dr. Donald Cott, Blaine Shillington, Rebecca Bontrager, Jeremy Egger, Karl Petterson and David Scherer. That gives us a total of 219 members in our chapter. Remember it takes everyone to help grow our Chapter so look around and invite a co-worker or friend to attend this months meeting with you.

Why You Should Be an ASHRAE Member

It's really quite simple. You can benefit from all of the resources ASHRAE provides as the world's leading organization of HVAC&R and built environment professionals.

Consulting engineers, property owners and managers, designers, installers and maintenance and repair professionals all benefit from ASHRAE, including these member benefit highlights:

- *ASHRAE Handbook — the indispensable, industry-wide resource for all HVAC&R professionals. Each volume is updated every four years. And members can subscribe to ASHRAE Handbook Online for immediate online access to the complete Handbook series for one year at only \$49.*
- *ASHRAE Journal — this monthly resource is the most trusted publication in HVAC&R engineering.*
- *High Performing Buildings — the quarterly magazine for innovation and measured performance in efficient and sustainable buildings.*
- *HVAC&R Industry — a weekly news resource keeping ASHRAE members abreast of the latest industry news and information.*
- *Access to more than 300 technical publications.*
- *Access to education, courses and webcasts.*
- *Professional certification*

Troy Nibert
 MP Chair

Upcoming Continuing Education Seminar:

Letter from Leo Von Scheben:

THE BUSINESS OF ARCHITECTURE, ENGINEERING, SURVEYING CONSULTING

BY LEO VON SCHEBEN PE, LS, MBA

On October 19-20, 2012 at the Millennium Hotel in Anchorage, I will be offering a seminar on "The Business of AES Consulting". I am doing this for two reasons. They are as follows:

- 1) After 50 years in the AES business as founder, President, CEO of USKH, a multi-discipline company, and past Commissioner of the DOT/PF State of Alaska, I wanted to pass on to the industry my knowledge and expertise and address what it takes, from my prospective, to have a successful business.
- 2) I also felt there was a need to provide Professional Development Hours for the AES that live here in Alaska, as the expense to travel outside to receive these hours is very costly.

We all have a technical expertise when we go out in the world selling our brain power with an almost naïve look at the business side of our practices. For many years I received feedback from clients as to what they look for in a great Consultant and it was overwhelming the response I received - hint, it is not technical expertise. Your expertise is an assumed given. Clients expect that you have the technical expertise. At my seminar I will share with you points such as what the client is really jazzed over and what they want from you as the AES.

I will discuss aspects of the AES business model ranging from Corporation Governance to Culture of the company. I will discuss how important the employees are to a company. After all, those are the assets of the organization and keep in mind they have feet. I will touch on how to measure the company's success and how to take a third party approach to getting feedback from the staff.

I will be drawing on my experience, an academic look at the AES business, and of course I will be looking for feedback from attendees. Some of the other topics that will be covered include HR, Leadership, Strategic Planning and Project Management.

The course will offer 16 of the 24 professional development hours (PDH's) required every two years for all registered AES.

This is a great opportunity to mix it up with your peers and learn more about the AES Business Consulting model.



Alaska Chapter

October 2012

Alaska Chapter Newsletter
Hot Gas Bypass

Anchorage Meeting Information

Presentation:

Midnight Sun Brewing Co. Brewery Tour

Date:

Thursday, October 18th, 2012

Time:

6:00pm, Presentation begins

Location:

8111 Dimond Hook Drive Anchorage, AK 99507

Cost:

Members: \$25.00

Alaska Chapter Officers and Chairs

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gschaaf@stinebaugh.com

Logan Creelman, President-Elect

richard.creelman@urs.com

Greg Jernstrom, Secretary

gjernstrom@jernstromengineering.com

Steffen Peuker, Treasurer

speuker2@uaa.alaska.edu

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tnibert@proctorsales.com

Mak Kampen, Student Activities

matthew.kampen@contractor.conocophillips.com

Jeff Hurd, Technology Transfer

jeff.hurd@awwu.biz

Jessi Cherry, Research Promotion

jcherry@msicontrols.com

Keith Reed, Historian

kreed@ssiialaska.com

President's Message

Dear Alaska ASHRAE:

Thank you to Matt Coplan for his informative talk on AHRI 400 Certification for Heat Exchangers, and the benefit to engineers, contractors, and owners. Please remember to look closely at the time and location of each meeting! We had a number of no-shows, which cost the chapter hundreds of dollars.

How fitting that this month's tour coincides with Oktoberfest! Have you ever wondered how some of your favorite brews came to be? Or, how they get that "sparkle" in the lemonade? Find the answers to these and many more questions this month at Midnight Sun Brewing Company. Bring a co-worker who would be interested in learning more about ASHRAE! This month is MEMBERSHIP NIGHT! See the Membership Report for more details.

As mentioned at the September meeting, we have a need to grow our committees within the chapter. If you have any interest in getting more involved in the chapter, committees are a great way to contribute to our growth with just a couple hours a month.

I look forward to seeing everyone at this month's meeting.

Ginger Schaaf
President, Alaska Chapter ASHRAE
gschaaf@stinebaugh.com

Ok-to-ber-fest

n. An autumn festival that usually emphasizes merrymaking and the consumption of beer.

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Mailing Address:

ASHRAE Alaska Chapter
PO Box 244503
Anchorage, AK 99524-4503

Website:

www.alaska.ashraechapters.org





Anchorage Meeting Program:



Midnight Sun Brewery Company Tour

This month we will be touring the Midnight Sun Brewery Company. The new location as of Summer 2009 is almost 10,000 SF and triples the footprint that MSBC previously inhabited at its original premises on Arctic Boulevard.

The Southside of the building houses the brewing facility. This section provides more floor space to add tanks and increase production capacity as well as greater ceiling height to accommodate additional storage. Two 30-bbl tanks were immediately added to the mix, increasing capacity by roughly 120-bbl, or 4000 gallons, per month.

For more information about their move see this article from their website: http://www.midnightsunbrewing.com/press/PR_2009-05-26_MSBC_New_Location.pdf

RSVP NOW to reserve your place!!

Please RSVP to Gregory Jernstrom gjernstrom@jernstromengineering.com no later than NOON on Friday, October 12th. Pizza, samples of their beer, soda and water will be provided for dinner during the presentation at the Brewery, so *please* RSVP so that we have enough pizza for everyone. The cost for dinner is \$25.

Date: Thursday, October 18th

Tours and Presentation begin: 6:00pm.

Address: 8111 Dimond Hook Drive
Anchorage, Alaska 99507

[GOOGLE MAP](#)

Directions to the Facility:

Midnight Sun Brewing Company is located in South Anchorage on Dimond Hook Drive, a couple blocks North of Home Depot on Abbott Rd. Heading east on Dimond Blvd past Seward Hwy and Sandlewood Place, get in the left turn lane then do "the squiggle" to remain on E. Dimond Blvd. Turn left on Petersberg Street. Turn right on Dimond Hook Drive...brown block bldg.

General Membership Meeting Program Schedule

*Please note the location of all meetings will be at the Westmark Hotel unless otherwise noted.

October Meeting

Date/Time: October 18/6:00 PM
Subject: Midnight Sun Brewery Company Tour*

November Meeting

Date/Time: November 15/6:00 PM
Subject: General Mechanical Inc. Tour*

January Meeting

Date/Time: January 17/6:00 PM
Subject: Integrating Renewable Energy Systems into Buildings

Speaker(s): Sheila Hayter, PE, FASHRAE, LEED AP
ASHRAE Distinguished Lecturer

February Meeting

Date/Time: February 21/6:00
Joint Meeting with IAPMO
Subject: TBD

March Meeting

Date/Time: March 15/6:00
Subject: *Tentative* Crime Lab Tour*
Speaker (s): TBD

April Meeting

Date/Time: April 18/6:00
Student Night
Matt Parkes HNC ONC -
ASHRAE Distinguished Lecturer

May Meeting

Date/Time: May 16/11:30 AM
LUNCH MEETING

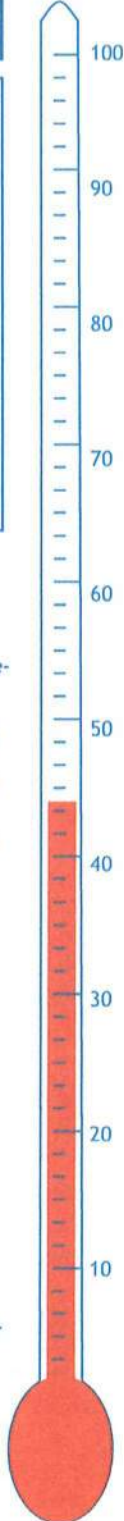
Subject: TBD
Follow up to CRC



Research Promotion:

2012-2013 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	<u>Individuals (continued)</u>
<p><u>\$1000 & Over</u> Meridian Systems, Inc.</p> <p><u>\$500—\$999</u></p> <p><u>\$150—\$499</u> EDC, Incorporated</p> <p><u>Up to \$149</u> Cole Industrial, Inc.</p>	<p><u>\$1000 & Over</u> Bob Heym</p> <p><u>\$250—\$999</u> Ruth Armstrong Jessi Cherry Craig Fredeen</p>	<p><u>\$100—\$249</u> Michael Cooper Logan Creelman Scott Hala Walter Heins Gregory Jernstrom Mak Kampen Douglas LeCren Steffen Peuker Ginger Schaaf Ray Sieber</p>



Fellow ASHRAE Members,

Happy October! A HUGE *Thank You* to all of our generous ASHRAE Research Contributors! Our Research Promotion Goal for this year has been raised to \$11,000. We have already raised \$4,368.11 from donations.

I would like to take a moment to say a very special *Thank You* to Bob Heym for his generous donation of \$1,111.11! Bob, we appreciate you for continually supporting ASHRAE Research!

ASHRAE Research is essential to updates that are made to the Society's standards and guidelines, which provide uniform methods of testing for rating purposes. The standards and guidelines suggest safe practices for design and installation and provide other information which guides the industry. There are currently more than 100 ASHRAE standards and guidelines. Every dollar that is donated goes to ASHRAE Research! 100%!

If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

All of your donations are greatly appreciated!

If you have already made a donation, your name should appear at the bottom of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation or with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,
Jessi Cherry
Research Promotion Chair/Past President

"Only an organization such as ASHRAE has the continuity, the ability to generate research funding, and is able to attract researchers from disparate backgrounds and institutions, and provide a forum to integrate their knowledge to advance the science of HVAC&R engineering and the art of human comfort"—RP Investor





Student Activities Report:

The student chapter has been busy recruiting additional members and planning future activities and tours to ensure that they have another great year.

I hope to see more student participation at this month's brewery tour. The student members are eager to meet and talk with all of our chapter members as well as learn more about engineering and opportunities after college. Please introduce yourself and meet some of these bright young people.

The UAA student chapter is always looking for presenters for their meetings. Our goal is to give the students an idea of each of the opportunities available for new engineers. Anyone who is interested in doing a presentation about your business, new and exciting technology, engineering, ASHRAE involvement, mechanical system design, or other related topics please contact me. The UAA student chapter meets the first and third Wednesday of every month between 4:00 and 5:00 PM. The next student chapter meeting will be on October 17th and will be held at UAA in ENGR 111.

Presenting at these meetings will also give you an opportunity to meet new local talent, while giving students an opportunity to explore different career opportunities within the engineering field.

I would also like to encourage our chapter members to reach out to the K-12 schools. It is important to get students excited early about math, science, and engineering. If you want to get involved and don't quite know how to get started, please contact me. I am always will to make connections or help with other resources.

Sincerely,
Matthew "MAK" Kampen, P.E.
Student Activities
907.265.1403
matthew.kampen@contractor.conocophillips.com

Membership Report:

Please welcome new members Donald W Cott and Talisa Rodrigues. Please remember to pay your dues at www.ashrae.org. If you need any assistance please do not hesitate to call and ask. See you at this months meeting.

Troy Nibert
MP Chair
tnibert@proctorsales.com

Regional Activities:

For information on ASHRAE Press Releases for 2012 please select the following link:

[ASHRAE Press Releases](#)

SAVE THE DATE

April 18, 2013

1:00 pm – 4:00 pm EDT

FREE ASHRAE Webcast

*Assessing
Building Energy
Performance*

Don't forget to follow ASHRAE on your favorite media networks:

facebook

twitter

Linked in



November 2012

Alaska Chapter Newsletter
Hot Gas Bypass

Anchorage Meeting Information

November:

General Mechanical Inc. Tour
Thursday, November 15, 2012

Thanks goes out to General Mechanical, Inc. and Matt Rudisill for hosting the November meeting and giving us a tour of their facility!!

This was a successful Research Promotion night, and we were able to raise \$80 for RP through the raffle of the ASHRAE logo jacket.

December:

No meeting scheduled

Alaska Chapter Officers and Chairs

Ginger Schaaf, President
gschaaf@stinebaugh.com

Logan Creelman, President-Elect
richard.creelman@urs.com

Greg Jernstrom, Secretary
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Steffen Peuker, Treasurer
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Jeff Hurd, Technology Transfer
jeff.hurd@awwu.biz

Jessi Cherry, Research Promotion
jcherry@msicontrols.com

Keith Reed, Historian
kreed@ssiataaska.com

President's Message

Dear Alaska ASHRAE:

We have had wonderful turnouts for October and November 'tour' meetings. For the Midnight Sun Brewery tour, my how the brewery has changed and grown since my first meeting with the Alaska ASHRAE chapter back in 2005, when we toured the Brewery's old location on Arctic Boulevard.

As some of you may have heard, I am moving out of state for my husband's job at the end of this month. We have been extremely fortunate to be able to live up here in this great state for 7 years, but now it is time for us to move. We hope to return as "snow leopards" one day (come back for the winters). My family and I will be moving to Denver, Colorado where I plan to continue my involvement in ASHRAE through the Rocky Mountain chapter.

Ruth Armstrong has volunteered to step in as acting President for the remainder of the 2012-13 ASHRAE year. Thank you for your help, Ruth.

We still have a need to grow our committees within the chapter. If you have any interest in getting more involved in the chapter, committees are a great way to contribute to our growth with just a couple hours a month. Remember that the success of this chapter is based on volunteers.

Thank you for all of your support through the years.

Ginger Schaaf
President, Alaska Chapter ASHRAE

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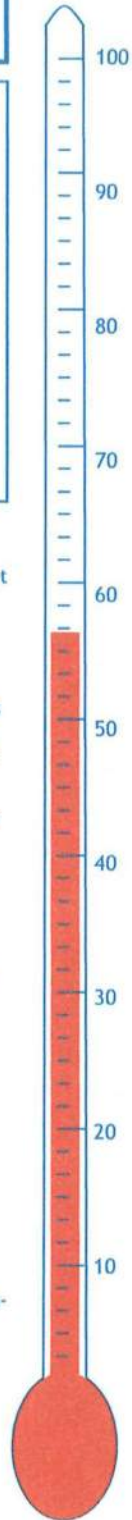




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Fellow ASHRAE Members,

Happy November! This month's Research Promotion night at the ASHRAE Meeting was a success. We raffled off an ASHRAE jacket to raise \$80 for ASHRAE RPI!

A HUGE Thank You to all of our generous ASHRAE Research Contributors! Our Research Promotion Goal for this year has been raised to \$11,000. We have already raised \$5,618.11 from donations.

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Sincerely,
Jessi Cherry
Research Promotion Chair/Past President

"Only an organization such as ASHRAE has the continuity, the ability to generate research funding, and is able to attract researchers from disparate backgrounds and institutions, and provide a forum to integrate their knowledge to advance the science of HVAC&R engineering and the art of human comfort"-RP Investor





ASHRAE Members,

You all know our Chapter Treasurer, Steffen Peuker. What you may not know is how effective Steffen is at educating new UAA mechanical engineering students in the fundamentals of HVAC&R engineering. With the help of several ASHRAE volunteers, Steffen has already managed the creation of three excellent teaching labs, converting \$25,000 in donations and grants into \$250,000 of lab equipment. The attached story about Steffen and the lab is impressive (see next page). And check out this student You Tube video with Grant Birmingham speaking: <http://www.youtube.com/watch?v=FP0a6kj1jpc&feature=youtu.be>

As impressive as this is, he and his fellow UAA mechanical engineering professors are just getting started! Did you know about mechanical engineering professors Anthony Paris, John Lund and Jennifer Brock who are developing a way to measure how a human head moves when it is impacted? Think young soccer players. Their work may have major implications for how we coach sports and protect ourselves from head injuries: <http://uaainnovate.blogspot.com/2012/05/getting-better-fix-on-head-injuries.html>

There are more lab development projects coming up, but the UAA mechanical engineering department needs cash now to maintain the momentum. Please help. It's year-end and now is a great time to donate and to encourage your business to join in too.

The UAA "Excellence in Mechanical Engineering" fund will help continue the historic buildup of a first rate mechanical engineering program in Anchorage. Imagine the boost to our businesses as these new ME graduates enter our workforce. Remember: Our new UAA professors are smart and are greatly leveraging our donations. Any contribution you make now will have a big payback.

If you wish to give online, you can go to <http://www.uaa.alaska.edu/giving/> or you can mail a check with the attached form to:

University of Alaska Foundation
1815 Bragaw Street, Suite 203
Anchorage, AK 99508

Both individuals and organization can use the attached donor form. Either way, when you make your donation, please note: "Excellence in Mechanical Engineering."

Questions? Feel free to contact
Bobi Rinehart, CFRE | Development Officer
University of Alaska Anchorage | University Advancement
3211 Providence Drive, ADM 236 | Anchorage, AK | 99508
O: 907.786.1107 | F: 907.786.1957

All the best,

Boyd Morgenthaler, P.E.
907-349-6523

Regional Activities:

For information on ASHRAE Press Releases for 2012 please select the following link:

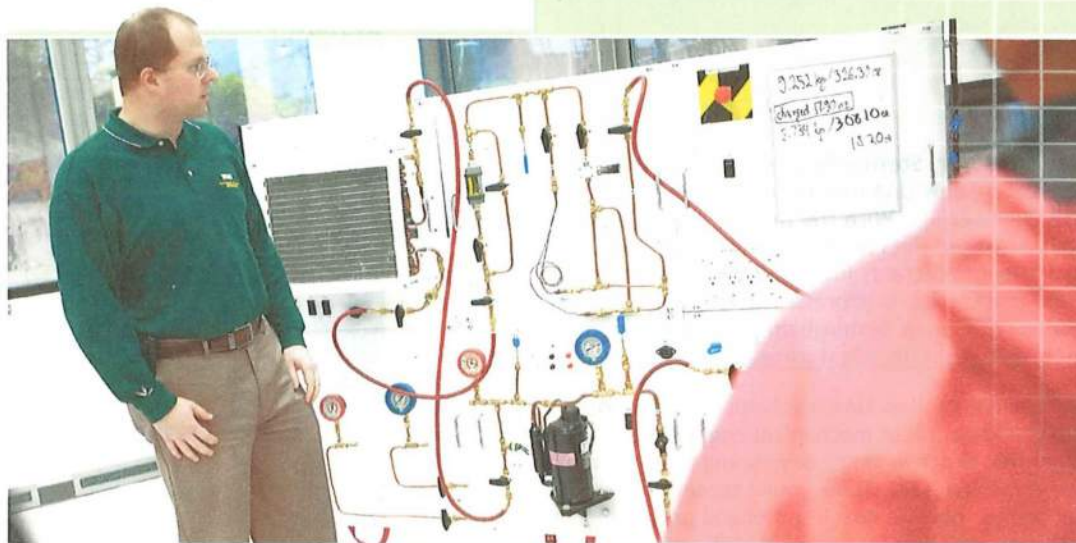
[ASHRAE Press Releases](#)

Don't forget to follow ASHRAE on your favorite media networks:

facebook

twitter

LinkedIn



How UAA's new thermal system design lab came together

[by Kathleen McCoy]

Steffen Peuker is not just a little excited about a new lab in the engineering building at UAA. The moment we met outside his office, we headed downstairs to Room 111—home of a brand new thermal system design lab, a first for UAA.

(If that's already too techy for you, relax. We're talking heating and cooling systems. You like heat in winter, right? These are your experts.)

The door swung open to the sound of floor sanders and a busy crew prepping the 1,400-square-foot space, its windows peering out on the ground level of UAA Drive. Within two and a half weeks, Professor Peuker hopes to

teach his first thermal system design laboratory class in this very space.

Now here's a detail to turn your head. This mechanical engineering professor, at UAA for just a year and half, made the lab a reality with zero university funding. He did it with help from local industry, who generously chipped in cash and equipment, and collaboratively designed training simulators with UAA senior engineering students for their capstone projects.

Together, students and industry professionals developed three educational units to teach thermal design in the new lab—a modular refrigeration unit, an air duct simulator and one for heating, ventilation and air conditioning, called HVAC, which includes a high-tech state-of-the-art automation system.

And it wasn't just one or two companies that stepped up; it was a fistful. Here's the list, in alphabetical order:

- AMC Engineers
- ATS Alaska
- H & K Sheetmetal Fabricators
- KLEBS Heating, Plumbing & Air Quality
- Siemens Industry Inc.
- Stinebaugh & Company

Some delivered cash, others donated equipment. And most importantly,

the time industry professionals took to work side-by-side with students on the lab design was—as the popular advertisement says, "priceless."

Apparently, it takes a village to create a lab! That kind of collaboration doesn't happen overnight, especially when you are new in town.

Making the industry connections

Peuker learned how to meet and communicate with industry professionals while he worked on a master's and a doctorate in mechanical engineering at the University of Illinois at Urbana-Champaign. There, the industry generously funds an Air Conditioning Research Center to support graduate research projects. Annually, professors present potential research projects, and an industry advisory group selects the projects to be funded. This unique group also puts students in contact with the industry sponsors twice a year, giving the students a chance to report their results.

But his sensitivity to industry is even older than that. Back in Germany at the University for Applied Sciences in Mannheim, Peuker interned with Daimler (formerly Daimler-Chrysler) and did so well that he considered going to

UAA School of Engineering

work for them right after graduation. But an astute manager suggested he push his education further, and consider some international experience that would make him more attractive for promotion in Germany.

That led to his advanced degrees (and a wedding!) in the U.S., but also strongly influenced his appreciation for the academic-industry connection. Industry leaders can tell you the kind of engineers they really need; why not make that communication a reality? He's brought that sensibility to UAA and is determined that UAA's mechanical engineering graduates will be well prepared, by industry standards, to fill the HVAC jobs in Alaska.

Informal chat leads to first in-kind donation

Peuker chuckles when he tells this story. He was new to Anchorage, and at a break in the Alaska chapter's American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) meeting, he happened to meet a representative from KLEBS and mentioned to him that he'd like to create an HVAC lab at UAA.

Peuker replayed their conversation: "I've got a 3-ton unit laying around; the KLEBS rep offered, '...we don't have any place to put it. You can have it!'" Even though the lab was still a dream in his mind, he accepted.

Another critical moment came when ATS Alaska made a cash donation of \$10,000 in the fall of 2011 that allowed Peuker to acquire two air conditioning units that students could dissect and then reconstruct as the first simulator – the modular refrigeration unit that will find its home in the new lab.

From there, Peuker and the lab were off and running.

Leverette Hoover, a UAA alumnus (B.S. Technology, '97) and the current general manager in Alaska for Siemens Industry Inc., was an active supporter.

"It was a great opportunity for students to network with different folks," said Hoover, whose company was involved financially and materially for about six months. As a fan of "grow your own engineers," Hoover said the new lab's design and development included lots of opportunities for industry pros to provide coaching and mentoring for UAA engineering students. Those interactions can be stepping stones to industry jobs later, he said.

Another industry contributor was ATS Alaska, a facilities control company that UAA alumnus Dave Rand (M.B.A. '99) and Dan Fawcett run. Speaking for the company and Rand, Fawcett said, "We want to play a role here. We've done other things with Dr. Peuker—talk to classes, meet students—but it's not all

benevolence. We also get to know good people and we hire them."

But industry support was not just in equipment, money and donated professional time. Siemens invited Peuker to visit their proprietary training center in Chicago so that he could see how their learning labs are set up. UAA found the travel funds, but Siemens assumed his expenses during his two-day visit to the center.

Next stop: UAA's new engineering building

Peuker knows his lab will be in Room 111 for the next four years. Then it will migrate over to UAA's new engineering building, scheduled to open in 2016 and prominently facing Providence Drive in front of the Wells Fargo Sports Complex.

If he was excited about his first location, he's ecstatic about the lab's permanent home, on the top floor of the new building, right next to the real-life HVAC units that will actually heat and cool the entire building.

"It'll be terrific," Peuker says. "In the lab, we can look inside a unit and see how it's constructed. Then we can go next door and look at the actual unit working."

He's even considering keeping the ceiling tiles out of his permanent lab so students can look through to the actual building ducts—the very equipment they'll design and work on as professionals.

Peuker has priced the educational units he would have had to purchase for the new lab had local industry not stepped up and helped. Get ready: \$250,000.

On a zero-budget, that would be hard to impossible. But by piecing together critically timed cash and in-kind donations, he's assembled a lab at the cost of about \$25,000.

"That's a 1:10 ratio of benefits to us," he said, smiling

Understandably, he—and local industry leaders—can be proud.



Dr. Steffen Peuker tells students about HVAC&R equipment in the new Thermal System Design Lab at the School of Engineering on campus (Erin Hooley/UAA)



Alaska Chapter

January 2013

Alaska Chapter Newsletter
Hot Gas Bypass

Anchorage Meeting Information

Presentation:

Integrating Renewable Energy Systems into Buildings
By Sheila J. Hayter, P.E.

Date:

Thursday, January 17th, 2013

Time:

5:30pm, Socializing
6:00pm, Dinner and Meeting

Location:

Crowne Plaza Anchorage
109 W. International Airport Road

Cost:

Members: \$35
Non-members: \$40

Alaska Chapter Officers and Chairs

Ruth Armstrong, President
ruth@akwinter.com

Logan Creelman, President-Elect
richard.creelman@urs.com

Greg Jernstrom, Secretary
gjernstrom@jernstromengineering.com

Steffen Peuker, Treasurer
speuker2@uaa.alaska.edu

Vacant, Nominating Chair

Troy Nibert, Membership
tnibert@proctorsales.com

Mak Kampen, Student Activities
matthew.kampen@contractor.conocophillips.com

Jeff Hurd, Technology Transfer
Jeff.hurd@awwu.biz

Jessi Cherry, Research Promotion
jcherry@msicontrols.com

Keith Reed, Historian
kreed@ssi.alaska.com

President's Message

Wow, I have some really big shoes to fill again. I want to thank Ginger for stepping in and serving on the ASHRAE Board again. Although it is unfortunate that she and her family were transferred out of state, we all wish her the very best in her future endeavors. Ginger will no doubt be involved in ASHRAE in her new home, so look for her at future ASHRAE events.

Engineer's Week is fast approaching. Anyone interested in volunteering some of their time for a worthy cause, please contact either David Nicolai at Coffman Engineers (nicolai@coffman.com) or myself. ASHRAE is the major sponsor of this year's E-Week and as such I am asking for additional volunteers to assist with events, judging and communication between the local steering committee and our local chapter. Although we have a number of volunteers to assist with the committee we are still in need of a committee leader. If you are able to assist, please call me as soon as possible.

For those planning on attending this year's AHR EXPO in Dallas, TX (January 28 - January 30), I have 20 guest passes that will get you in the door for free ("exhibits only"); a \$20 value. Let me know if you or a guest plan to attend. First come, first served, although the accompanying letter indicates that if I send in early enough, I could get more passes.

Our chapter is hosting a Distinguished Lecturer this month, Ms. Sheila Hayter, P.E. Her presentation on Integrating Renewable Energy Systems into Buildings is sure to be a must see. I look forward to seeing all of you at the meeting, Thursday, January 17th at 6:00 at the Westmark Hotel.

Sincerely,
Ruth Armstrong
President, Alaska Chapter ASHRAE
ruth@akwinter.com

Hot Gas Bypass Index:

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Research Promotion Status	Page 3
Regional Activities	Page 4
Membership Report	Page 4
Business Card Advertisements	Page 5 - 6

Mailing Address:

ASHRAE Alaska Chapter
PO Box 244503
Anchorage, AK 99524-4503

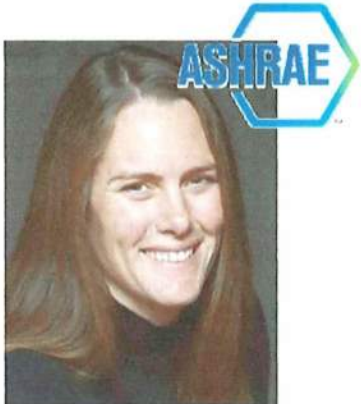
Website:

www.alaska.ashraechapters.org





Anchorage Meeting Program:



ALASKA ASHRAE January 2013 Program
SHEILA J. HAYTER, P.E., FASHRAE LEED AP
Sheila.hayter@nrel.gov
National Renewable Energy Laboratory
Integrated Applications Center
Golden, Colorado

Integrating Renewable Energy Systems into Buildings

This presentation introduces technical opportunities, means, and methods for incorporating renewable energy (RE) technologies into building designs and operations. The speaker will give an overview of RE resources and available technologies used successfully in the USA to offset building electrical and thermal energy loads. Methods for applying these technologies in buildings and the role of building energy efficiency in successful RE projects will be addressed. The speaker will discuss issues related to connecting RE systems to existing electrical grids and offer tips for implementing successful RE projects. Finally, the speaker will summarize ASHRAE activities related to and/or in support of RE applications in buildings.

For bio for the ASHRAE Distinguished Lecturer this month, please see your program announcement.

RSVP NOW to reserve your place!!

Please RSVP to Gregory Jernstrom gjernstrom@jernstromengineering.com no later than noon on Tuesday, January 15th.

Meeting Date: Thursday, January 17, 2013
Networking/Social: 5:30pm (join us at the Juno Restaurant in the Crowne Plaza Hotel)
Dinner and Meeting: 6:00pm
Cost: \$35 with RSVP, \$40 without RSVP

General Membership Meeting Program Schedule

The remainder of the meetings this year (other than Tours) will be located at the Crowne Plaza Hotel

February Meeting

Date/Time: February 21/6:00
Joint Meeting with IAPMO
Subject: Lessons on Innovation

March Meeting

Date/Time: March 15/6:00
Subject: Crime Lab Tour*
Speaker (s): TBD

April Meeting

Date/Time: April 18/6:00
Student Night
Matt Parkes HNC ONC -
ASHRAE Distinguished Lecturer

May Meeting:

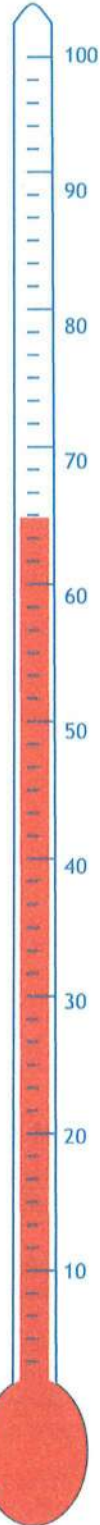
Date/Time: May 16/11:30 AM
LUNCH MEETING
Subject: TBD
Follow up to CRC



Research Promotion:

2012-2013 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	<u>Individuals (continued)</u>
<p><u>\$1000 & Over</u> Meridian Systems, Inc.</p> <p><u>\$500—\$999</u> AMC Engineers Design Alaska, Inc. Stinebaugh & Company, Inc.</p> <p><u>\$150—\$499</u> EDC, Inc. PDC, Inc.</p> <p><u>Up to \$149</u> Cole Industrial, Inc. Proctor Sales, Inc.</p>	<p><u>\$1000 & Over</u> Bob Heym</p> <p><u>\$250—\$999</u> Ruth Armstrong Jessi Cherry John Fortner</p>	<p><u>\$100—\$249</u> Michael Cooper Logan Creelman Scott Hala Walter Heins Gregory Jernstrom Mak Kampen Douglas LeCren Tracy McKeon Steffen Peuker Ginger Schaaf Ray Sieber Mike Stinebaugh</p>



Fellow ASHRAE Members,

Happy New Year! I hope you have enjoyed the holiday season! During the November meeting we raffled off an ASHRAE jacket. This raffle raised \$80.00 for RP! Thank you to all who bought tickets!

A HUGE *Thank You* to all of our generous ASHRAE Research Contributors! Our Research Promotion Goal for this year has been raised to \$11,000. We have already raised \$6,468.11 from donations.

ASHRAE Research is essential to updates that are made to the Society's standards and guidelines, which provide uniform methods of testing for rating purposes. The standards and guidelines suggest safe practices for design and installation and provide other information which guides the industry. There are currently more than 100 ASHRAE standards and guidelines. Every dollar that is donated goes to ASHRAE Research! 100%!

If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

All of your donations are greatly appreciated!

If you have already made a donation, your name should appear at the bottom of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation or with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,
Jessi Cherry
Research Promotion Chair/Past President

"Only an organization such as ASHRAE has the continuity, the ability to generate research funding, and is able to attract researchers from disparate backgrounds and institutions, and provide a forum to integrate their knowledge to advance the science of HVAC&R engineering and the art of human comfort"—RP Investor





ASHRAE NAC Hosts **John Ross Open** **2013**

Saturday, March 2, 2013
Granite Curling Club
8620 107 St.

Please join us for fun, food & prizes!
Enter your team today! Compete with teams from across ASHRAE's Region XI for the historic John Ross title.

10:00 am start time
Dinner and prizes to follow

In an effort to revive the John Ross Open as a regional event, NAC would like to host one team per chapter.

Teams would be responsible for their accommodations, transportation and meal tickets at the spiel (\$20/plate).

Currently NAC has budgeted for five teams, so please sign up ASAP to ensure your spot.

Register by Feb. 25th at www.ashraenac.org/tickets
Questions or comments? curling@ashraenac.org

A block of rooms has been set aside at the Varscona Hotel on Whyte
8208 106th street | 1-780-434-6111 | www.varscona.com

Prize donations gladly accepted
A Northern Alberta Chapter Social Event
Non-members welcome



Regional Activities:

For information on ASHRAE Press Releases for 2013 please select the following link:

[ASHRAE Press Releases](#)

SAVE THE DATE

April 18, 2013

1:00 pm – 4:00 pm EDT

FREE ASHRAE Webcast

*Assessing
Building Energy
Performance*

Don't forget to follow ASHRAE on your favorite media networks:

facebook

twitter

LinkedIn

Membership Report:

Welcome to 2013, let all try to start the new year with welcoming our newest members.

Jennifer Holmes, Dennis Hansen, Rebecca Bontrager, Phillip Collin Flippo, Blaine Shilington, Christian Dougherty, Jeremy Egger, James D Rainforth, Dr Donald W Cott

You can easily renew online at www.ashrae.org/renew. The benefits and resources of ASHRAE are here for you. Remember to pay your chapter dues while renewing your Society membership. If you've recently renewed, thank you for investing in ASHRAE - and your future

Troy Nibert
MP Chair
tnibert@proctorsales.com



February/March 2013

Alaska Chapter Newsletter
Hot Gas Bypass

President's Message

Anchorage Meeting Information

Presentation:

Alaska Crime Lab Tour
By Dave Shumway, P.E.

Date:

Thursday, March 21st, 2013

Time:

4:00 pm,
Meeting, Tour, and Dinner

Location:

Alaska Crime Lab (meet at front entry)
4805 Dr Martin Luther King Jr Ave
Anchorage, AK 99507

Cost:

Members: \$25

Alaska Chapter Officers and Chairs

Ruth Armstrong, President

ruth@akwinter.com

Logan Creelman, President-Elect

richard.creelman@urs.com

Greg Jernstrom, Secretary

gjernstrom@jernstromengineering.com

Steffen Peuker, Treasurer

speuker2@uaa.alaska.edu

Troy Nibert, Membership

tnibert@proctorsales.com

Mak Kampen, Student Activities

matthew.kampen@contractor.conocophillips.com

Jeff Hurd, Technology Transfer

Jeff.hurd@awwu.biz

Jessi Cherry, Research Promotion

jcherry@msicontrols.com

We had a very successful February meeting with great turnout for our joint meeting with the IAPMO chapter. Thank you to the IAPMO group for again making a VERY generous donation of \$1,000 to Research Promotion. Thank you to Christina Parkinson, EIT of Coffman Engineers for her presentation of *Lessons on Innovation*.

The 62nd Annual National Engineers Week was a huge success! A big thank you for all who participated by speaking in local schools about engineering, math, science, technology, or other related fields! If you spoke at one of the Engineers Week events, please forward your name, location of presentation and topic of your presentation to either myself, Jeff Hurd, or any BOG member so that we may enter the points for our chapter.

We have some very special events coming up in the near future. First up is our tour of the Alaska Scientific Crime Detection Laboratory hosted by Mr Dave Shumway of AMC Engineers. This local facility was designed with the latest ASHRAE's laboratory design standards and incorporated many energy saving "Green Building" features found in LEED certified buildings. Given the nature of this tour and the potential that this could become a lengthy program we will be starting the tour at 4:00 pm. The ASCDL is located at 4805 Dr Martin Luther King Jr Ave.

Registration for the free 2013 ASHRAE Webcast, "Assessing Building Energy Performance: From Principles to Practice," opens on March 18. The Webcast will be held on Thursday, April 18, from 1-4 p.m. EDT. The webcast will address the importance of building energy performance and its far-reaching implications in both new and existing buildings, as well as the opportunities that assessing building energy performance presents. An archived version of the webcast will be available online until May 3. Registration, also free, is required to view the archived webcast. Copy and paste the following link to your browser for more information and to register: <https://www.ashrae.org/membership--conferences/webcasts>. If you are interested in hosting the Webcast at your office, please contact Jeff Hurd for information.

Last but not least, the Chapters Regional Conference is coming up on May 2nd through May 4th in Vancouver, BC Canada. If you are interested in attending the CRC conference you can find registration and information at the following link: ashraebc.simplesignup.ca

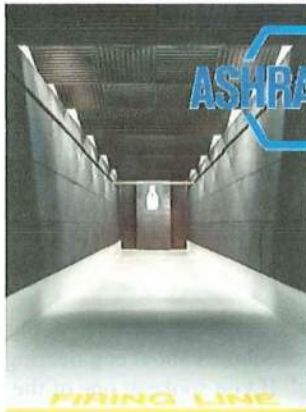
I hope to see you all at the tour of ASCDL Thursday, March 21st at 4:00 p.m.

Sincerely,
Ruth Armstrong
President, ASHRAE Alaska Chapter
ruth@akwinter.com





Anchorage Meeting Program:

*ALASKA ASHRAE March 2013 Tour*Alaska Scientific Crime Detection Laboratory**Dave Shumway**

Principal Mechanical Engineer
 AMC Engineers Anchorage, Alaska
 (907) 257-9100 www.amc-engineers.com
 Engineering Excellence

The new Alaska Scientific Crime Detection Laboratory is a modern two story 84,000 SF state-of-the-art crime lab located in Anchorage, Alaska. The facility is arranged in two wings, angled at 45 degrees, with a large central two story main entry and lobby serving as its architectural focal point. Exterior and interior wall panels, floor coverings, lobby furniture and artwork throughout the facility subtly depict many facets of the criminal forensics process.

Laboratories have a well deserved reputation for consuming large amounts of energy. The mechanical and electrical systems supporting this facility were designed in accordance with the latest American Society of Heating, Refrigeration and Air-Conditioning (ASHRAE) laboratory design standards and incorporate many energy saving "green building" features currently found in LEED certified buildings.

The east and west wings each include a third story penthouse housing the buildings five separate forced ventilation systems. Each fan room has a dedicated air handling unit serving its wings administrative and general circulation zones. Separate fully ducted specialty ventilation systems equipped with 100 percent exhaust fan units, HEPA filtration, and "run around loop" heat recovery serve the many laboratory zones. The entire facility is designed to maintain precise differential pressure control between the various laboratories and general use areas, utilizing an "air flow tracking" strategy, minimizing cross-contamination of evidence and providing a safe/comfortable working environment.



Toilet room, janitor closet and other spaces requiring 100 percent general exhaust ventilation have been smartly tied into the laboratory exhaust fan units with exhaust air control valves, eliminating the need for numerous small exhaust fans and taking full advantage of heat recovery systems. Heat is recovered from all the buildings exhaust air sources before it leaves the building.

Anchorage Meeting Program (continued):

An indoor environmental quality (IEQ) system continuously "pulls" air samples from the laboratory spaces, analyzes them for airborne contaminants and adjusts zone air change rates to as low as possible to minimize system energy use while still providing a safe working environment for its occupants.

The large lobby with its nearly 30 foot ceiling is ventilated from floor mounted perimeter air outlets using a displacement ventilation strategy which minimizes ventilation air flow volume (saving fan energy) while maintaining a comfortable fresh air environment. Radiant floor heating adds additional comfort to these open spaces.

The central heating system consists of six (6) modular, high efficiency, natural gas fired, condensing, hydronic boilers (9,400 MBH design day heating load) located in a central mechanical room. Domestic water heating is accomplished utilizing indirect hot water makers.

The facility is cooled using central condensing units located on the roof adjacent to each penthouse fan room. Refrigerants with minimal environment impact were selected. When outdoor temperatures warrant, the chiller compressors are shut off to conserve energy and "free cooling" is utilized.

Variable speed drive hydronic pumps and ventilation fans circulate water and air respectively throughout the building. The pumps and fans automatically adjust speed to match building heating/cooling demand, saving electrical energy.



© Ken Graham Photography.com

RSVP NOW
to reserve your place!!

Please RSVP to Gregory Jernstrom gjernstrom@jernstromengineering.com

March Meeting:

AK Crime Lab (meet at front entry)
4805 Dr Martin Luther King Jr Ave

Meeting Date: Thursday, March 21st, 2013

Dinner and Meeting: 4:00pm to 6:00pm

Cost: \$25

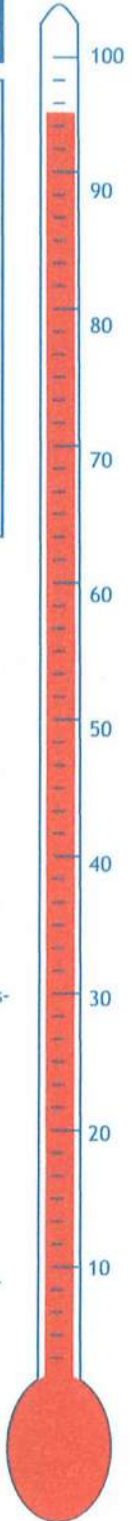
<u>April Meeting</u> Date/Time: April 18/6:00 Student Night Matt Parkes HNC ONC - ASHRAE Distinguished Lecturer	<u>May Meeting:</u> Date/Time: May 16/11:30 AM ***LUNCH MEETING*** Subject: TBD Follow up to CRC
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Research Promotion:

2012-2013 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	<u>Individuals (continued)</u>
<u>\$1000 & Over</u> Coffman Engineers IAPMO Meridian Systems, Inc. <u>\$500—\$999</u> AMC Engineers Design Alaska, Inc. PDC Engineers Stinebaugh & Company, Inc. <u>\$150—\$499</u> Artic Foundations, LLC EDC, Inc. <u>Up to \$149</u> Cole Industrial, Inc. Proctor Sales, Inc.	<u>\$1000 & Over</u> Bob Heym <u>\$250—\$999</u> Ruth Armstrong Jessi Cherry John Fortner Jan Van Den Top	<u>\$100—\$249</u> Michael Cooper Logan Creelman Scott Hala Walter Heins Gregory Jernstrom Mak Kampen Douglas LeCren Tracy McKeon Steffen Peuker Jeremy Reed Ginger Schaaf Ray Sieber W C Simmons Mike Stinebaugh



Fellow ASHRAE Members,

A HUGE *Thank You* to all of our generous ASHRAE Research Contributors! Our Research Promotion Goal for this year has been raised to \$11,000. We have already raised \$9,523.11 from donations.

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If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

The annual ASHRAE RP Shootout is April 26th. Please do not forget to sign up. We also have sponsorship opportunities for businesses. Hope to see you there.

If you have already made a donation, your name should appear at the bottom of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation or with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,
 Jessi Cherry
 Research Promotion Chair/Past President

"Only an organization such as ASHRAE has the continuity, the ability to generate research funding, and is able to attract researchers from disparate backgrounds and institutions, and provide a forum to integrate their knowledge to advance the science of HVAC&R engineering and the art of human comfort"-RP Investor





CTTC Report:

Continuing Education:

I'm looking for comments on setting up a seminar or two for the months of April or May for those who need continuing education hours. Due to the cost of the course/s we are looking for some good topics of interest that will be well attended. Please email me if you have any suggestions on course topics.

Some Topics:

Healthcare Facilities: Best Practices for Design & Application
Integrated Building Design
Energy Modeling Best Practices & Application
Air to Air Energy Recovery Fundamentals or Applications

Here are some suggestions

Technology Award:

The chapter is trying to get individuals or companies to submit for the 2013 ASHRAE Technology Awards for the upcoming (CRC) Chapters Regional Conferences. The ASHRAE Technology Awards are not due till April 15th 2013. It would be great for someone to submit a project or two for the ASHRAE Technology Awards. Also to have a local individual or companies win the Award. As for the chapter we haven't submitted a Technology Award in over 7 years. Please let me know if you have any questions. **Just email me and I'll send you the Technology Award Short Form.**

Jeffery D. Hurd (CTTC)
Project Management/Civil Engineer I
Anchorage Water and Wastewater Utility
Work (907) 786-5526 Cell (907) 317-7285
Jeff.hurd@awwu.biz

Regional Activities:

For information on ASHRAE Press Releases for 2013 please select the following link:

[ASHRAE Press Releases](#)

Registration now OPEN

[www.ashrae.org/
ABEPwebcast](http://www.ashrae.org/ABEPwebcast)

April 18, 2013

1:00 pm – 4:00 pm EDT

FREE ASHRAE Webcast

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<p>Jeff Robinson Service & Installation Division Manager 365-2514 jrobinson@klebsheating.com</p> <p>365-2500 fax 365-2540 www.klebsheating.com</p>  <p>1107 E 72nd Avenue, Anchorage, Alaska 99518</p>	 <p>6657 Greenwood Street Anchorage, AK 99518 Office: (907) 562-2608 Fax: (907) 562-0503 www.GoPSI.com</p> <p>TROY NIBERT Branch Manager</p> <p>Cellular: (907) 223-8830 Email: tnibert@proctorsales.com</p>

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 <p>Walter K. Heins, PE., CCP®, CEA <i>Senior Engineer, Mechanical Engineering Certified Commissioning Professional</i></p> <p>800 F Street Anchorage, AK 99501</p> <p>ph 907.276.6664 fax 907.276.5042</p> <p>ANCHORAGE HONOLULU SEATTLE LOS ANGELES SPOKANE</p> <p>e-mail heins@coffman.com coffman.com</p>	 <p>MECHANICAL SALES, INC.</p> <p>Glenn Evans 907-562-6940</p> <p>www.mechanicalsales.com</p>
 <p>Stover Smith <i>Alaska Territory Manager</i></p> <p>4810 Kalenka Anchorage, AK 99502 Cell (907) 306-5469 (509) 534-1516 1-800-457-6772 Fax (509) 535-6546 stover@suntoya.com</p> <p>Manufacturers Representative Alaska, Idaho, Oregon & Washington</p> <p>www.suntoya.com</p>	<p>MECHANICAL SALES, INC.</p> <p><i>Your Source For Green System Solutions</i></p> <p>1200 E. 76th, Unit 1221, Anchorage, AK 99518</p> <p>Main: 907-562-6940 Fax: 907-562-6939 Direct: 206-330-2257 gevans@mechanicalsales.com</p> <ul style="list-style-type: none">▶ Sustainability▶ Efficiency▶ Integration▶ Value Added <p>www.mechanicalsales.com</p>

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Miss Small”
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The Patriot**

Until you
are ready
to fire,
“Keep your
booger
hook off
the bang
switch.”

Aim high,
and you
won't shoot
your foot
off.

Phyllis
Diller

RP SHOOTOUT

Date: April 26, 2013.
Where: Birchwood Recreation & Shooting Park
Time: 12:00 - 5:00 PM

Event: 1) 5 member teams will be competing in 1 round of skeet, 1 round of 5 Stand and 1 round of Trap
2) Each team member will be provided with 3 boxes of ammunition.
3) Snacks and drinks will be available.

Cost: \$125 per person.

Benefit: All proceeds go to benefit ASHRAE Research Promotion

Shooters:
1) _____
2) _____
3) _____
4) _____
5) _____

Range Sponsorship: \$125.00
Company Name for Stand: _____

Ammunition Sponsor: \$450
Company/Individual Name: _____

Payment Method (please circle): Credit Card Check
If Check, make payable to: “ASHRAE Alaska Chapter”
Credit Card Number: _____
Credit Card Exp. Date: _____
Billing Zip Code: _____
Name on Card: _____
Contact Phone Number: _____

ASHRAE Research Promotion



Please fill out form and send to Ruth Armstrong, 2012-2013 Fundraising Committee Chair. Fax: 243-3206, E-mail: ruth@akwinter.com





Alaska Chapter

April 2013

Alaska Chapter Newsletter
Hot Gas Bypass

Anchorage Meeting Information

Presentation:

ASHRAE Standard 189.1
By Thomas Lawrence, Ph.D, P.E., LEED AP

Date:

Occurred April 18, 2013

Time:

6:00 pm,
Meeting, Tour, and Dinner

Location:

Crowne Plaza

Cost:

Members: \$35

Alaska Chapter Officers and Chairs

Ruth Armstrong, President

ruth@akwinter.com

Logan Creelman, President-Elect

richard.creelman@urs.com

Greg Jernstrom, Secretary

gjernstrom@jernstromengineering.com

Steffen Peuker, Treasurer

speuker2@uaa.alaska.edu

Troy Nibert, Membership

tnibert@proctorsales.com

Mak Kampen, Student Activities

matthew.kampen@contractor.conocophillips.com

Jeff Hurd, Technology Transfer

Jeff.hurd@awwu.biz

Jessi Cherry, Research Promotion

jcherry@msicontrols.com

President's Message

Well, I'm sure all of you thought winter was over and were itching for spring a couple of weeks ago. Mother Nature, unfortunately, likes to play April Fool's jokes on us way after April Fool's day just to keep us all on our toes.

Don't despair, there is hope for warmer weather and green grass. The Chapters Regional Conference is in Vancouver this year!! The CRC is coming up on May 2nd through the 5th. If you are interested in attending please contact a BOG member for more details about airfare, hotel reservations and meeting schedules. We also have a couple of committee chairs open that need to be filled. We need to fill chairs in Membership Promotion, CTTC/TEGA or GGAC. You may be able to attend the CRC at no cost to you. ASHRAE Regional will pick up the airfare and our chapter will cover your hotel. If you would like to have a motion put for the at the CRC or are interested in a RVC position, please contact Logan Creelman or Greg Jernstrom as soon as possible.

Our annual RP Shootout is also coming up. Registration forms can be found within the HGBP and a special invitation was sent out by e mail as well. We still have room for a couple more teams, but get your registration in SOON. The shootout will be on April 26th at the Birchwood Recreation and Shooting Park located off North Birchwood Loop in Birchwood. I have put in a special request for warmer weather and lots of sunshine. Sign-in is at 12:00 pm and we will provide lunch and non-alcoholic beverages. If you don't own a shotgun, we will have rentals available for you and ammunition is supplied as well. If you are interested in sponsoring a shooting range, ammunition or lunch, please contact one of the fundraising committee people.

I look forward to seeing you all at the RP Shootout on Friday, April 26th.

Sincerely,
Ruth Armstrong
President, ASHRAE Alaska Chapter
ruth@akwinter.com

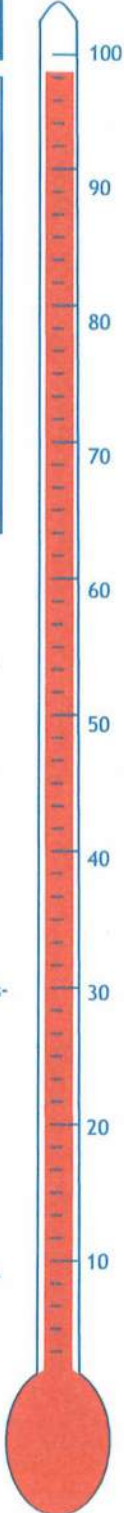




Research Promotion:

2012-2013 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	<u>Individuals (continued)</u>
<p><u>\$1000 & Over</u> Coffman Engineers IAPMO Meridian Systems, Inc.</p> <p><u>\$500—\$999</u> AMC Engineers Design Alaska, Inc. PDC Engineers Stinebaugh & Company, Inc.</p> <p><u>\$150—\$499</u> Artic Foundations, LLC EDC, Inc.</p> <p><u>Up to \$149</u> Cole Industrial, Inc. Proctor Sales, Inc.</p>	<p><u>\$1000 & Over</u> Bob Heym</p> <p><u>\$250—\$999</u> Ruth Armstrong Jessi Cherry John Fortner Eric Persson Jan Van Den Top</p>	<p><u>\$100—\$249</u> Michael Cooper Logan Creelman Scott Hala Walter Heins Gregory Jernstrom Mak Kampen Douglas LeCren Tracy McKeon Steffen Peuker Jeremy Reed Ginger Schaaf Ray Sieber W C Simmons Mike Stinebaugh</p>



Fellow ASHRAE Members,

A HUGE Thank You to all of our generous ASHRAE Research Contributors! Our Research Promotion Goal for this year has been raised to \$11,000. We have already raised \$9,838.11 from donations.

ASHRAE Research is essential to updates that are made to the Society's standards and guidelines, which provide uniform methods of testing for rating purposes. The standards and guidelines suggest safe practices for design and installation and provide other information which guides the industry. There are currently more than 100 ASHRAE standards and guidelines. Every dollar that is donated goes to ASHRAE Research! 100%!

If you are interested in donating towards the future of HVAC&R industry standards and practices please follow one of these three donation options:

- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made your selections for renewal the next page is for you to donate to ASHRAE funded items. About 3/4 of the way down the page you will see Research Promotion. Click "Add to Cart"

The annual ASHRAE RP Shootout is April 26th. Please do not forget to sign up. We also have sponsorship opportunities for businesses. Hope to see you there.

If you have already made a donation, your name should appear at the bottom of this page, if not, it should appear next month. Please feel free to contact me if your name is not present below and you made a donation or with any questions about ASHRAE Research Promotion; the ASHRAE Foundation; or the ASHRAE Learning Center.

Thank you very much for all of your support and dedication to your local ASHRAE Chapter.

Sincerely,
Jessi Cherry
Research Promotion Chair/Past President

"Only an organization such as ASHRAE has the continuity, the ability to generate research funding, and is able to attract researchers from disparate backgrounds and institutions, and provide a forum to integrate their knowledge to advance the science of HVAC&R engineering and the art of human comfort"-RP Investor





History:

The following is a list of the meetings/programs from this past year, taken from the History Report prepared by **Keith Reed**. Great job **Logan Creelman** for putting together excellent programs!!

2012-2013 Chapter Meeting Programs

Sept 18, 2012	AHRI 400 Certification for Heat Exchangers - Matthew Coplan - Alfa Laval
Oct. 18, 2012	Midnight Sun Brewing Company tour Membership Night
Nov. 15, 2012	General Mechanical Inc., Tour - Matt Rudisill Research Promotion Night
Dec. 2012	No Meeting: Happy Holidays N/A
Jan 17, 2013	Integrating Renewable Energy Systems into Buildings - Sheila J. Hayter, P.E., FASHRAE LEED AP
Feb. 21, 2013	IAPMO Joint meeting—Lessons in Innovation
Mar. 21, 2013	Anchorage Crime Lab Tour - Dave Shumway, P.E. Principal Mechanical Engineer AMC Engineers
April 18, 2013	ASHRAE Standard 189.1-2009 for High Performance Green Buildings - Thomas M. Lawrence, Ph.D., P.E., LEED® AP
May 16, 2013	CRC wrap up Lunch meeting

Regional Activities:

For information on
ASHRAE Press Releases
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the following link:

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Email: tnibert@proctorsales.com

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Please send your photo-ready card to gjernstrom@jernstromengineering.com.

May 2013's Program



Lunch Meeting!!! Membership Meeting

Please join us for something a little different... a lunch meeting! We are hosting a Membership Meeting at our May Lunch meeting. A \$50 Visa Gift Card will be awarded to the member (in good standing) who RSVPs for and brings the most visitors.

This month we will bring our ASHRAE year to an end by closing out any old business still lingering out there, and sharing the highs and lows of the Region XI Chapters Regional Conference hosted by the Vancouver Chapter in Vancouver, BC, Canada. We will also be handing out any awards that were won by members of our chapter at the CRC. Please plan to attend and show your support for your local ASHRAE chapter and its members.

RSVP NOW to reserve your seat!!

Please RSVP to Gregory Jernstrom gjernstrom@jernstromengineering.com as soon as possible.

Location: Crowne Plaza Hotel (109 W. International Road).

Date: Thursday, May 16

Lunch and Meeting: 11:30am

Program: 12:00pm



ASHRAE Alaska Chapter #122

Logan Creelman

Acting Vice-President—ASHRAE 2012-2013

Phone: (907) 306-9292

E-mail: lcreelman@mail.ashrae.org

Visit us on the web at:

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