



November 2017

## Alaska Chapter Newsletter Hot Gas Bypass

### Anchorage Meeting Information

**Presentation:**

Arctic Oil Field HVAC Design

- & -

STEM Promotion with East High Robotics  
Teams

By: Mak Kampen -&- East High Robotics

**Date:**

Thursday,

November 16, 2017

**Time:**

5:30 pm: Check-in

6:00 pm: Dinner

6:30 pm: Presentation

**Location:**

ConocoPhillips Alaska

700 G St., ATO 1

Anchorage, AK 99501

**Cost:**

Members: \$20

### Alaska Chapter Officers and Chairs

[Craig Rohwer](#), President

[Craig.Rohwer@irco.com](mailto:Craig.Rohwer@irco.com)

[Nathan Zeigler](#), President-Elect

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[Tracy McKeon](#), Secretary

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[Mak Kampen](#), Research Promotion

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[Jan Van Den Top](#), Historian

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Alaska ASHRAE Chapter  
PO Box 244503  
Anchorage, AK 99524

### President's Message:

Happy Holidays ASHRAE Members!

We're rolling into the holiday season of warm coats and space heaters, and looking forward to snow (at least some of us are!). While huddled next to your space heater, ever wonder what engineer designed your office space and why your desk is never the right temperature? When was it built? What standards was it designed under? How is the office furniture arranged, and was that a consideration during design? Who pays the electric bill? J

These items are but a few that we as engineers use to optimize a building system for efficiency, as well as being cost effective solutions for owners, tenants, and operators. Something to consider when designing a space is not just the lines on a drawing or code requirement, but how it affects the occupants and what standards drive our comfort and health in buildings.

This month we're pleased to have one of our very own members of the board present on HVAC design for Arctic Oil Fields, Mak Kampen. He's been involved on our local chapter board helping to bring topics and facilitate our chapter operations. We'll have a great program along with The East High School Robotics Team, complete with demo units ready to play!

Best Regards,  
Craig Rohwer  
President, Alaska Chapter ASHRAE  
[craig.rohwer@irco.com](mailto:craig.rohwer@irco.com)



## Anchorage November Meeting:

### Presentation:

Arctic Oil Field HVAC  
Design

- & -

STEM Promotion with East  
High School Robotics Team

### By:

Mak Kampen, P.E.

- & -

East High School Robotics  
Team

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ConocoPhillips Alaska  
700 G Street, ATO 1  
Anchorage, AK 99501

### Cost:

Members: \$20

### RSVP:

Please RSVP to  
Nathan Zeigler at:

Nathan.Zeigler@contractor  
.conocophillips.com

By noon on Wednesday  
November 15th

### Arctic Oil Field HVAC Design Presentation:

Mak Kampen graduated from the University of Alaska Fairbanks with a Bachelor of Science degree in Mechanical Engineering. Mak is a registered Mechanical Administrator and a P.E. with the State of Alaska. Through his experiences working for RSA Engineering, H&K Sheetmetal and ConocoPhillips Alaska Mak has developed a unique background in practical commercial field design and construction coupled with highly technical industrial processing environments.



The North Slope of Alaska presents one of the most unique and challenging design environments in the world. In addition to the environmental considerations, oil field processing facilities present their own unique set of design and operating challenges that need to be accounted for. The development of Alaska's oil and gas resources has proven to be central to our state's economic development since statehood, and as evident in the current economic climate, continues to be instrumental to our state's economic well being.

We are pleased to invite Mak to speak with us on the topic of Arctic Oil Field HVAC Design.

### East High School Robotics:

We are also pleased to welcome back the East High School Robotics Team. In 2015, East was invited to Sydney Australia to compete in the Asia Pacific Invitational, and in 2016 they sent a team to the West Coast Super-Regionals in Tacoma, Washington. Last year they were the recipients of a \$500 dollar ASHRAE STEM (Science, Technology, Engineering, and Mathematics) grant to help with the funding of their robotics program. The outreach and encouragement of STEM activities in K-12 students is instrumental to our future generation of engineers and is a core value of ASHRAE.



East high will be providing a hands-on demonstration of their robots and programming to allow our local Chapter members to see how their support has benefited the students at East High.

### ASHRAE Alaska Chapter Donor Recognition:

During this month's meeting we will also recognize our members who have made substantial donations to the Alaska Chapter. It is through your generous donations in the form of financial support and volunteering that allows our chapter to function, we are greatly appreciative of your generosity.

## Research Promotion:

### 2017-2018 Research Investors, ASHRAE Alaska Chapter

<u>Organizations</u>	<u>Individuals</u>	
<u>\$1000 &amp; Over</u> Alaska Mechanical Contractors Association Inc. (AMCA) Alaska ASHRAE Chapter	<u>\$1000 &amp; Over</u>  <u>\$250—\$999</u> Jan Van den Top	<u>Up to \$99</u> Scott Bell
<u>\$500—\$999</u> Design Alaska	<u>\$100-\$249</u> Nathan Zeigler Tracy McKeon Greg Jernstrom Doug LeCren	
<u>\$150—\$499</u>  <u>Up to \$149</u>	Mak Kampen Doug Franklin Cheyenne Alabanzas	

Fellow ASHRAE Members,

The November 16th ASHRAE Alaska Chapter Anchorage Meeting will be a Donor Recognition Night. We will be acknowledging everyone who generously donated to ASHRAE RP last year and will be handing out special recognition items to our bronze and silver donors who are as follows:

- Mr. Robert D. Heym
- Mr. Douglas H. Murray
- Alaska Mechanical Contractors Association Inc.
- Coffman Engineers—Anchorage
- Design Alaska, Inc.

Recognition items will be mailed to the respective parties if they are unable to attend in person.

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. 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:

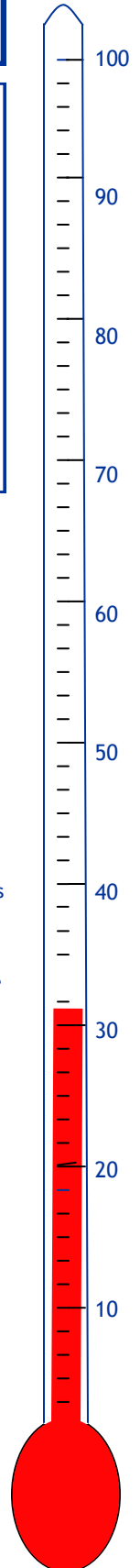
- Go to <http://www.ashraerp.com> and click on "donate".
- You can mail a check made out to "ASHRAE Research" please put "Alaska Chapter" in the memo line and mail to: ASHRAE Research 1791 Tullie Circle, NE, Atlanta, GA 30329.
- You can donate when you renew your membership on line. After you have made 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"

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,

Mak Kampen, P.E.  
 Alaska Chapter Research Promotion Chair



## CTTC Report for November 2017

### Continuing Education:

I'm looking for comments on setting up a seminar or two later this year or early next year (2018) 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.

Here are some suggestions:

**Healthcare Facilities: Best Practices for Design & Application**

**Integrated Building Design**

**Energy Modeling Best Practices & Application**

**Air to Air Energy Recovery Fundamentals or Applications**

### Technology Award:

The chapter is trying to get individuals or companies to submit for the 2017-2018 ASHRAE Technology Awards for next years (CRC) Chapters Regional Conferences. Please let me know if you have any questions. **Just email me and I'll send you the Technology Award Short Form.** This is a great way to get recognition for the projects that you and your colleague's have been working on. Technology awards include the following:

**Milton W. Garland Commemorative Refrigeration Award for Project Excellence** - *Recognizes a non-comfort cooling refrigeration app which highlights innovative and/or new technologies.*

**Refrigeration Comfort Cooling Award or Project Excellence** - *Recognizes designer and owner of a comfort cooling refrigeration app which highlights innovation and/or new technologies.*

**Technology Award of Engineering Excellence** - *Recognizes on an international scale, successful apps of innovative design which incorporates ASHRAE standards for effective energy management, indoor air quality and mechanical design management technology.*

**L.O. Crooks Refrigeration Award** – *to encourage excellence in Refrigeration activities and to promote interest in Refrigeration at the Chapter level.*

**Ralph Robson Technology Award** – *to recognize the best overall winning entry amongst all the categories in the Regional Technology Award Competition*

In addition there are a number of Technology Awards on a Regional level for outstanding engineering in effective energy management, indoor air quality, mechanical design management and innovative and/or new technology for:

*New Commercial Facilities*

*New Educational Facilities*

*Existing Other Institutional*

*New Residential*

*New Public Assembly*

*New Other Institutional*

*New Health Care Facilities*

*New Commercial Facilities*

If you have any questions or need additional information about submitting your project for an award please email me.

Thank you,

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](mailto:Jeff.hurd@awwu.biz)

# Alaska Chapter Archives and History:

Ever wonder where it all began? The Alaska Chapter of ASHRAE was started in 1974. Below is a glimpse into history and the Roster of Members and Committees from 1974-1975.

<p><b>MEMBERS (cont.)</b></p> <p>DENNIS W. MILLER 272-3881 D. M. Enterprises 3808 W. 27th Avenue Anchorage, Alaska 99503</p> <p>ERLING J. OLSEN 452-5595 John Graham &amp; Company P. O. Box 1168 Fairbanks, Alaska 99707</p> <p>CHESTER M. PATTEN 344-0522 Honeywell, Inc. 1217 E. 76th Avenue Anchorage, Alaska 99507</p> <p>RICHARD C. PHALEN 455-4256 Pacific Pumping Company P. O. Box 788 Bellevue, Washington 98009</p> <p>ROBERT H. POPE 279-2733 Superior Pkg. &amp; Htg. 509 W. 41st St. Anchorage, Alaska 99503</p> <p>JOHN PROCTOR 784-3010 Proctor Sales, Inc. 8535 Phinney Ave. North Seattle, Washington 98103</p> <p>HENRY W. REYNOLDS 274-6584 Skoglund Company Box 4-2857 Anchorage, Alaska 99509</p> <p>RAY RICHCREEK 822-3287 Richcreek Pkg. &amp; Htg. Box 252 Glennallen, Alaska 99588</p> <p>JOSEPH H. SCHAUF 623-3150 Baltimore Aircoil Co., Inc. 1914 Minor Avenue Seattle, Washington 98101</p>	<p><b>MEMBERS (cont.)</b></p> <p>DANIEL J. WEHAGE 277-6589 The Trane Company 121 W. Fireweed Lane Suite 220 Anchorage, Alaska 99503</p> <p>VERN WINTER 272-2442 Alaska Winter, Inc. 3901 Spenard Road Anchorage, Alaska 99503</p> <p>ROGER SIRES 279-1724 The Massart Company P. O. Box 3027 Anchorage, Alaska 99501</p> <p>PAUL SKOGLUND 274-6584 Skoglund Company P. O. Box 4-2136 Anchorage, Alaska 99509</p> <p>RICHARD W. SPILS 277-7924 Engineered Equipment Co. of Alaska 3685 Arctic Boulevard Anchorage, Alaska 99503</p> <p>JAMES S. STRANDBERG 452-1655 R &amp; M Engineering &amp; Geological Consultants 412 Baranof Avenue H.A. Fairbanks, Alaska 99701</p> <p>RALPH R. STEFANO 279-1461 Stefano &amp; Associates Consulting Engineers, Inc. 704 West 2nd Avenue Anchorage, Alaska 99501</p> <p>RALPH VAN NORTWICK 277-5551 Alaska Gas &amp; Service Co. 3000 Spenard Road Anchorage, Alaska 99503</p>	<p><b>MEMBERS (cont.)</b></p> <p>LOUIE WOMACK 277-5605 Crews, MacInnes and Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>KENNETH A. YOUNG 277-5551 Alaska Gas and Service Company P. O. Box 6288 Anchorage, Alaska 99502</p>	<p><b>ROSTER OF MEMBERS AND COMMITTEES</b></p> <p><b>ALASKA CHAPTER</b></p> <p><b>American Society of Heating - Refrigeration and Air Conditioning Engineers</b></p> <p><b>1974 - 1975</b></p> <p><b>MEETINGS</b></p> <p>AL'S ALASKAN INN 7828 Seward Highway Anchorage 344-9815</p> <p><b>MEETING NIGHT — 4th Wednesday of Month</b> Following 1st Monday September through June Social Hour at 6:00 p.m. Dinner at 7:00 p.m.</p> <p><b>OFFICERS</b></p> <p>President .....Larry Breeding Vice President .....Marion Fox Secretary .....Terry Chandler Treasurer .....Vern Winter</p> <p><b>BOARD OF GOVERNORS</b> Don MacInnes Don Chandler</p>
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# Alaska Chapter Archives and History:

COMMITTEES	MEMBERS	MEMBERS (cont.)
<p><b>Membership</b></p> <p>PAUL SKOGLUND, Chairman</p> <p>RON HENDRICKS</p> <p>VERN WINTER</p> <p>LOUIE WOMACK</p>	<p>VERN AKIN 586-1554 Vernon Akin &amp; Associates P. O. Box 1081 Juneau, Alaska 99801</p> <p>JOSEPH BACK Ed's Appliance Sales &amp; Service Box 70 Soldotna, Alaska 99669</p> <p>TOM R. BAKER 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>JAY BERWALD Berwald &amp; Associates 5401 E. 38th Ct., Apt. 1 Anchorage, Alaska 99504</p> <p>ROBERT K. BETZ 452-2372 Betz &amp; Company, Inc. 801 Barnette Street Fairbanks, Alaska 99701</p> <p>RAJEEV B. BHARGAVA 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>KURT BITTLINGMASR 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>DICK H. BOWER 274-1645 Alaska State School Sys. 650 International Airport Anchorage, Alaska 99502</p> <p>LARRY BREEDING 277-7993 Consulting Engineer 1343 H Street Anchorage, Alaska 99501</p>	<p>LOREN L. DOUGLAS 586-7188 Bureau of Indian Affairs Branch of Plant Management P. O. Box 3-8000 Juneau, Alaska 99801</p> <p>DAVID DOYLE 279-3422 Amfac Supply of Alaska 400 Post Road Anchorage, Alaska 99501</p> <p>WILLIAM E. ELAM 344-0522 Honeywell, Inc. 1217 E. 76th Avenue Anchorage, Alaska 99507</p> <p>DENNIS EUERS 277-2458 Johnson Service Company 4212 Spenard Road Anchorage, Alaska 99507</p> <p>MARION R. FOX 279-2733 Superior Pkg. &amp; Htg. 509 W. 41st Avenue Anchorage, Alaska 99503</p> <p>DON GRANT 279-6151 Glacier Mechanical P. O. Box 4-1597 Anchorage, Alaska 99509</p> <p>JAN K. HANSEN 279-3743 Mechanical Engineer 3685 Arctic Boulevard Anchorage, Alaska 99503</p> <p>DALE A. HASZ 279-6151 Glacier Sheet Metal, Inc. P. O. Box 4-1597 Anchorage, Alaska 99509</p> <p>RUNAR HENDRICKS 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p>
<p><b>Reception and Attendance</b></p> <p>BOB POPE, Chairman</p> <p>JOHN SPENCE</p> <p>JOHN HOKANSON</p>	<p>GENE P. BROWN Johnson Controls Box 476, Star Rt. A Anchorage, Alaska 99502</p> <p>ROBERT CAREY 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>THOMAS F. CARBERRY 272-6425 Owens Corning-Fiberglas Corp. 1907 Post Road Anchorage, Alaska 99501</p> <p>DON CHANDLER 456-5282 Chandler Plumbing &amp; Heating P. O. Box 534 Fairbanks, Alaska 99701</p> <p>TERRY CHANDLER 272-7515 O'Kelly &amp; Schoentank 610 C Street, No. 212 Anchorage, Alaska 99501</p> <p>PAUL B. CREWS 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>LAWRENCE E. CROSTICK 225-2619 Southeastern Htg. &amp; Supply Co. Route 1, Box 1093 Ketchikan, Alaska 99901</p> <p>WILLIAM DEMMING 277-0514 Johnson - Stern &amp; Lake 203 W. 15th Avenue Anchorage, Alaska 99501</p> <p>MIKE DMITRIEV 272-9913 The E. J. Bartels Company P. O. Box 948 Anchorage, Alaska 99510</p>	<p>DAVID G. HEUSSER 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>JIM HOKANSON 344-0522 Honeywell, Inc. 1217 E. 76th Avenue Anchorage, Alaska 99502</p> <p>MICHAEL C. HOSKINS 682-2866 McDougall Control Co. 2718 Elliott Avenue Seattle, Washington 98121</p> <p>BILL I. JOHNSON 272-3629 Alaska Controls, Inc. 4216 Spenard Road Anchorage, Alaska 99503</p> <p>CARL P. JOHNSON 272-6584 Fluor Alaska, Inc. 2820 C Street Anchorage, Alaska 99503</p> <p>RON LATER 279-0586 Johnson Pkg. Htg. P. O. Box 8-9034 Anchorage, Alaska 99508</p> <p>CLAUDE V. LAWS 277-0514 Johnson - Stern and Lake 203 W. 15th Avenue Anchorage, Alaska 99501</p> <p>CARL MCCUTCHAN 272-0470 Barnard-Marth &amp; Associates 203 W. 15th Avenue Anchorage, Alaska 99501</p> <p>DONALD D. MACINNIES, Jr. 277-5605 Crews, MacInnes and Hoffman 4111 Minnesota Anchorage, Alaska 99503</p>
<p><b>Program</b></p> <p>BILL DEMMING, Chairman</p> <p>TOM CARBERRY</p> <p>DICK BOWER</p>	<p>VERN AKIN 586-1554 Vernon Akin &amp; Associates P. O. Box 1081 Juneau, Alaska 99801</p> <p>JOSEPH BACK Ed's Appliance Sales &amp; Service Box 70 Soldotna, Alaska 99669</p> <p>TOM R. BAKER 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>JAY BERWALD Berwald &amp; Associates 5401 E. 38th Ct., Apt. 1 Anchorage, Alaska 99504</p> <p>ROBERT K. BETZ 452-2372 Betz &amp; Company, Inc. 801 Barnette Street Fairbanks, Alaska 99701</p> <p>RAJEEV B. BHARGAVA 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>KURT BITTLINGMASR 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p> <p>DICK H. BOWER 274-1645 Alaska State School Sys. 650 International Airport Anchorage, Alaska 99502</p> <p>LARRY BREEDING 277-7993 Consulting Engineer 1343 H Street Anchorage, Alaska 99501</p>	<p>LOREN L. DOUGLAS 586-7188 Bureau of Indian Affairs Branch of Plant Management P. O. Box 3-8000 Juneau, Alaska 99801</p> <p>DAVID DOYLE 279-3422 Amfac Supply of Alaska 400 Post Road Anchorage, Alaska 99501</p> <p>WILLIAM E. ELAM 344-0522 Honeywell, Inc. 1217 E. 76th Avenue Anchorage, Alaska 99507</p> <p>DENNIS EUERS 277-2458 Johnson Service Company 4212 Spenard Road Anchorage, Alaska 99507</p> <p>MARION R. FOX 279-2733 Superior Pkg. &amp; Htg. 509 W. 41st Avenue Anchorage, Alaska 99503</p> <p>DON GRANT 279-6151 Glacier Mechanical P. O. Box 4-1597 Anchorage, Alaska 99509</p> <p>JAN K. HANSEN 279-3743 Mechanical Engineer 3685 Arctic Boulevard Anchorage, Alaska 99503</p> <p>DALE A. HASZ 279-6151 Glacier Sheet Metal, Inc. P. O. Box 4-1597 Anchorage, Alaska 99509</p> <p>RUNAR HENDRICKS 277-5605 Crews, MacInnes &amp; Hoffman 4111 Minnesota Anchorage, Alaska 99503</p>
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