President’s Message
By Pierre Ranger

Hi everyone, I hope everyone liked the tour last month. Big thanks to the people at Canature for allowing us to see their facility. I’m looking forward to hearing from Ron Jarnagin this month. Many of us will recall his time as President of ASHRAE a few years ago. Next month, we are trying something different with a Trivia Night. It should be fun.

-Pierre Ranger

Wednesday, October 9 2019
ASHRAE Regina Chapter Meeting
Topic: ASHRAE Standard 90.1 – Past Present and Future
Meeting Location: Delta Hotel
1919 Sask Drive
12:00 – Lunch
12:15 – Presentation
12:45 – Chapter Meeting
1:00 – Meeting Adjourned

Upcoming Events
Nov. 13th – ASHRAE Trivia Night
Committee Chair Reports

Vice President
By Cailin MacPherson

We are excited to welcome Past ASHRAE President Ron Jarnagin for this month’s speaker. Ron will be speaking on ASHRAE Standard 90.1 – Past, Present and Future. This will be a lunch meeting, which in the past have been known to run over the 1-hour mark, but we will do our best to wrap things up by 1pm. Please try to arrive at 11:45am so we can begin on time. Looking forward to another great speaker!

All the best,

Cailin MacPherson
Programs, CTTC, Vice President, Alternate
Student Activities
By Marla Torwalt

Mother Teresa

It’s been a blast doing engineering activities with the kids at Mother Teresa Middle School. We’re halfway through our six week program and so far we’ve built bridges, space landers, and towers. I've seen a lot of great teamwork and creative thinking from this group and every week I look forward to seeing what they’ll come up with. Special thanks to Andrea Gropp and Carla Drager who have volunteered their time and enthusiasm these last few weeks!

University of Regina

I joined the student branch for their Student Fair and “What is ASHRAE?” event and they signed up 25 new members! They’ve got a great year planned for activities and we’ll be seeing them throughout the year at our events.

Trivia Night

November 13 will be a Trivia Night! Come out and show off your science, engineering, movie, Canadian (and more!) knowledge over dinner and drinks. We’ll be inviting the Student Branch to join us as a fun way to get to know our chapter. Right now I’m looking for sponsors so contact me if you’d like to donate money or prizes!

University of Regina Student Branch

By Kaylee Hayko and Ty Cote

Hello ASHRAE members, we are extremely excited to be ramping up the U of R ASHRAE Student Branch activities in this new school year. We have a very ambitious plan for events this year, lots of favourite events from the past and lots of new events for this year. We are hosting a variety of building tours, student training events for different software packages, networking events, women in engineering mixer and volunteering events. We also have a few ASHRAE capstone projects coming to project day this year, so be on the lookout for those in the spring! We also hope for student members to join the ASHRAE Regina branch meetings, YEA events, and Winter Conference this year!

Kaylee Hayko - Student Branch President
Ty Cote - Student Branch Vice President
Young Engineers in ASHRAE (YEA)
By Carla Drager

I am excited and honoured to be your YEA chair again this year and looking forward to our events to come. YEA is a community within ASHRAE focused on engaging new and future Engineers into the HVAC&R industry. We strive to provide education and guidance as well as to create a space for new Engineers to seek support and advice from fellow peers as well as mentors. The program is geared towards ASHRAE members that are 35 years of age and younger but anyone who wants to partake in the events is more than welcome.

Please consider becoming a sponsor. In order for these events to take place, we count on our fellow Engineers, wholesalers, suppliers, and contractors within the HVAC&R community to invest in our future leaders. If you are interested in sponsoring one of our events, please feel free to contact me by email (carla.drager@jci.com) or phone (306-552-7331) for more information.

Stay tuned for our upcoming event at the end of October.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
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<tbody>
<tr>
<td>October 9, 2019</td>
<td>Dinner Topic: ASHRAE 90.1 Speaker: Ron Jarnagin</td>
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<tr>
<td>November 13, 2019</td>
<td>ASHRAE Trivia Night &amp; Membership Promotion</td>
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<tr>
<td>February 1 – 5, 2020</td>
<td>ASHRAE Winter Conference Location: Orlando, Florida</td>
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<tr>
<td>June 27 – July 1, 2020</td>
<td>ASHRAE Annual Conference Location: Austin, Texas</td>
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</table>
2019-2020 ASHRAE Regina Chapter Board of Governors

President
Pierre-André Ranger
Johnson Controls Canada LP
pierre-andre.ranger@jci.com

Past President & Research Promotion
Natasha Skea
WSP Canada Inc.
natasha.skea@wspgroup.com

Vice President & Programs Chair
Cailin MacPherson
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Membership Promotion
Chris Klatt
HDA Engineering Ltd.
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Secretary/Student Branch Advisor
Chris Best
RJ England Consulting Ltd.
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Student Activities
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Treasurer
Brad Lulik
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Special Events
Josh Thomas
Cypress Sales Partnership
j.thomas@cypresssales.com

Historian/Webpage
Bob England
RJ England Consulting Ltd.
bob@rjengland.com

Government Affairs Committee Chair
Nathan Cross
Stantec
Nathan.cross@stantec.com

YEA (Young Engineers in ASHRAE) Chair
Carla Drager
Johnson Controls Canada LP
carla.drager@jci.com

Diversity in ASHRAE Chair
Henry Reynoso
Refrigerative Supply
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Newsletter
Dave Thomas
d87thomas@gmail.com

Contact us at:
ashraeregina@gmail.com

Visit us at:
http://regina.ashraechapters.org/
2019-2020 ASHRAE Society Executive

Executive Committee

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Darryl Boyce
Ottawa, Ontario

Vice President
Dennis Knight
Mount Pleasant, South Carolina

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Greensboro, North Carolina

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Katherine Hammack
Alexandria, Virginia

Tim McGinn
Calgary, Canada

Kelly Cramm
Lenexa, Kansas

Ashish Rakheja
Noida Uttar Pradesh, India
## 2019-2020 ASHRAE Regional Executive

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td><strong>Director and Regional Chair</strong></td>
<td>Rusell Lavitt</td>
<td>Winnipeg, Manitoba</td>
</tr>
<tr>
<td><strong>Regional Members Council Representative</strong></td>
<td>Eileen Jensen</td>
<td>Vancouver, Washington</td>
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<tr>
<td><strong>Chapter Technology Transfer RVC</strong></td>
<td>Heric Holmes</td>
<td>Edmonton, Alberta</td>
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<tr>
<td><strong>Student Activities RVC</strong></td>
<td>Jared Larson</td>
<td>Regina, Saskatchewan</td>
</tr>
<tr>
<td><strong>Nominating Committee Member</strong></td>
<td>Rob Craddock</td>
<td>Regina, Saskatchewan</td>
</tr>
<tr>
<td><strong>Nominating Committee Alternate</strong></td>
<td>Jeff Hurd</td>
<td>Anchorage, Alaska</td>
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<tr>
<td><strong>RP RVC</strong></td>
<td>Les Pereira</td>
<td>Vancouver, British Columbia</td>
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<tr>
<td><strong>GAC RVC</strong></td>
<td>Daryl Collerman</td>
<td>Victoria, British Columbia</td>
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<tr>
<td><strong>Regional Historian</strong></td>
<td>Doug LeCren</td>
<td>Anchorage, Alaska</td>
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<tr>
<td><strong>YEA RVC</strong></td>
<td>Baki Cvijetinovic</td>
<td>Vancouver, British Columbia</td>
</tr>
<tr>
<td><strong>Membership Promotion RVC</strong></td>
<td>Louise McKenzie</td>
<td>Victoria, British Columbia</td>
</tr>
<tr>
<td><strong>Regional Treasurer</strong></td>
<td>Norm Grusnick</td>
<td>Vancouver, British Columbia</td>
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ASHRAE Standard 90.1, Past, Present and Future

Standard 90.1 is ASHRAE’s flagship standard for energy efficiency in commercial buildings. Originally issued in 1975, the standard has been updated over the years with the current version at 2013. The standard addresses energy savings in the Building Envelope, HVAC, Service Water Heating, Power, Lighting and Other Equipment along with providing an alternative performance path in the Energy Cost Budget Method. Standard 90.1 is the defacto standard for the U.S. and has been adopted in parts of the Pacific Rim as well as the Middle East.

Come join me and your fellow ASHRAE members for this presentation. I look forward to seeing you at the meeting!

Biographic Sketch of Presenter:

- ASHRAE Society President, 2011-2012
- Board Director at Large and Vice President 2001-2006
- Chair of Standard 90.1-1999
- Chaired 3 Advanced Energy Design Guide Committees
- Chaired Committees that developed the Sustainability Roadmap, Vision 2020, Building Energy Labeling (bEQ)
- Distinguished and Exceptional Service Awards from ASHRAE
- Faculty Member, University of Florida (10yrs),
- Staff Scientist, Pacific Northwest National Laboratory (25yrs)
- BS-Business LSU, BS-MechEng (honors) and MS-MechEng Univ. of Fla
- Decorated Vietnam Veteran