



# ASHRAE Ottawa Valley Chapter

**DATE:** Tuesday October 16, 2018  
Social: 17:30, Dinner: 18:30, Program: 20:00

**LOCATION:** Centurion Conference & Event Centre  
170 Colonnade Rd, Nepean, ON K2E 7J5

**THEME:** Research

**PROGRAM:** Designing Buildings For People

With a trend towards greater **building automation**, occupant needs and preferences during the design process are often forgotten.

Meanwhile, **occupants** are often distrusted because of their seemingly irrational behaviours, whereas they merely want to restore **comfort**. Based on findings of post-occupancy evaluations from several hundred offices and apartments, this talk is focused on designing and operating buildings to optimize **occupant comfort, building usability, and energy performance**. The talk will provide humorous anecdotes, strange findings, and some general lessons learned and future recommendations.

**SPEAKER:** Liam O'Brien, Ph.D., P.Eng.

**Liam O'Brien** Ph.D., P.Eng. is an **Associate Professor** for **Carleton University's Architectural Conservation and Sustainability Engineering** program. He is the principal investigator for the **Human Building Interaction Lab**, which consists of a team of 12 researchers with diverse backgrounds in engineering, architecture, and psychology. He has authored over 100 publications and two textbooks on **net-zero energy buildings** and **occupant behaviour**. He is the past president of the **Canadian** chapter of the **International Building Performance Simulation Association** and Co-Operating Agent for **International Energy Agency** - Energy in Buildings and Communities Annex 79, titled "Occupant-behavior centric building design and operation."

**Space is limited so please register online at the link below**

Chapter Members: \$48.00	Guests: \$65.00
Student Members: \$35.00	Life or Fellow: \$48.00
Past President: \$0.00	Past President Companion: \$0.00

<https://ashraeottawa.simplesignup.ca/en/3768/index.php?m=eventSummary>

# President's Message

With the 2018-19 **ASHRAE** season underway I would like to begin by thanking everyone for joining us at Lago on **September 18<sup>th</sup>**. We had a great turnout with a number of younger members and the program topic provided by **ASHRAE** Distinguished Lecturer **Erich Binder** was fantastic.

Thanks to **Ainsworth** for their generous donation of **Redblacks** tickets for the **Research Promotion Raffle**. These raffles are an important part of our annual **RP campaign** and we appreciate any and all donations that are made.

We continue the year with the

October meeting scheduled for **October 16<sup>th</sup>** at the Centurion Centre. We are looking forward to great food, great networking and a great program meeting. Professor Liam O'Brien will join us to present an informative and enjoyable program focused on the underlying need to design buildings for the people that occupy them. Please go to our website at [www.ashrae.ottawa.on.ca](http://www.ashrae.ottawa.on.ca) and click on the registration link to sign up.

Our theme this month is **Research**. We would like to thank all of those that continue to support **ASHRAE** research. The money raised goes directly to research that changes our



**President**  
**Daniel Redmond**  
2018-2019  
OVC President  
**Carleton University**

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industry for the better. **Aaron Dobson** will be hosting a donor recognition night at the October meeting to recognize all of those individuals and organizations that helped make the 2017-2018 campaign such a success.

Thank you and I look forward to seeing you soon!

## ASHRAE Stroke Play Golf Championship 2018

Hi OVC,

The **ASHRAE** Stroke Play Golf Tournament was held this year at **Emerald Links Golf Club**. Luckily we were able to sneak past the tornado wind conditions in a pocket of sunshine that day. Congratulations

go to **Marc Parent** with **Longhill Energy**, who was crowned champion with a score of **81!**

A big thank you goes out to everyone who participated. You have **12 months** to sharpen your game! See you all next year.



**Governor**  
**Joe Della Valle**  
2018-2019  
OVC Special Events  
**Walmar Ventilation**

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## ASHRAE Bowling

Ladies and Gentlemen,

It's time again for the **ASHRAE** Bowling Social! This year it will be held on **Wednesday November 21st** at the **Merivale Bowling Center** (1916 Merivale Rd, Ottawa, [www.merivalebowlingcentre.com](http://www.merivalebowlingcentre.com)). Registration will be available through an online link that will be posted soon.

The format will be **three** games with **4** people per lane. **7:00pm** start. Please show up at **6:30pm** to register. The entry fee is **\$200** per foursome, or **\$60** per individual. The entry fee

includes warm-up, 3 games, shoe rental and plenty of nachos/wings/pizza. Individual participants will be assigned into groups of **four**.

This is intended to be a social event to promote the camaraderie and fellowship of **ASHRAE**, please consider attending. Numbers need to be finalized by the second week of **November**, so please register early.

If you have any questions, or need more information, please don't hesitate to contact me. Payment can be made during the



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online registration.

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# 2018-2019 Research Promotion

Thank you very much for your continued support of **ASHRAE Research Canada!**

**ASHRAE Research** plays an important role to improve the quality of life and to answer tomorrow's questions through research today. For every dollar raised towards **Research Promotion** in Canada, four dollars are invested towards research projects in Canada by **ASHRAE Society**.

## What is the RP Campaign?

The **RP Campaign** is an annual fundraising campaign benefitting the funding of numerous **ASHRAE Programs**. These programs include:

- **ASHRAE Research**
- **ASHRAE Scholarships for undergraduate students**
- **ASHRAE Learning Institute (ALI) development of new courses & materials**
- **Graduate Research Projects (Grants-in-Aid)**
- **Young Engineers in ASHRAE (YEA) Leadership Training**
- **Permanently endowed support to all of the above programs**

The **RP Campaign** is overseen by the **RP Committee**, a standing **ASHRAE Committee**. The committee is made up of **14 Regional Vice Chairs (RVC)**, **1 Consultant (past RVC)**, **3 Vice Chairs (past Consultant)**, and **Chair (past Vice Chair)**. Staff support includes a 3-member team based at **ASHRAE Headquarters**.

The **RP Campaign** raises over **\$2.2 million** a year from over **6,000**

donors. These donors are made up of **ASHRAE Members**, industry associations, and industry organizations.

Thank you to all who contributed to the **2017-2018 campaign** led by **Dan Redmond**. The campaign was a success and the **Ottawa Valley Chapter** has once again been recognized at the **Region 2 CRC** in **Windsor** as the top contributor to the **2017-2018 RP Campaign** for **Region 2**. Funds have been assigned to **ASHRAE Research**, **ASHRAE Scholarships** and the **Ottawa Valley Chapter Society Scholarship**. Our donor recognition night is planned for the October program meeting to be held on **October 16<sup>th</sup>, 2018**. We are looking forward to recognizing the individuals and companies who made our campaign a success.

The goal this year for the **Ottawa Valley Chapter** is **\$35,000**. I am confident that our **Chapter** will achieve this goal through individual and company donations, proceeds from Chapter events and Chapter meeting raffle draws. Thank you to **Ainsworth Inc.** for donating **Redblack** tickets that raised **\$830** towards Research Promotion from the **September** meeting.

The list of current **2018-2019 RP** campaign donors will be provided in each monthly newsletter and updated on the **website**, so donate quickly to see your name appear!

Two of the easiest ways to make your donation to the 2018-2019 RP Campaign are by clicking either of the links below.

ASHRAE Society link: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

ASHRAE OVC link: <https://ashraeottawa.simplesignup.ca/en/3652/index.php?m=eventSummary>



**President-Elect**  
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OVC President-Elect  
**Ainsworth**

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Should you wish to donate by cheque, please make payable to **ASHRAE Ottawa Valley Chapter**. My contact details are below, and I will gladly make arrangements to pick-up any cheques if needed.

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# What You Missed

The first program meeting of the **2018/2019 ASHRAE** season was held at the **Lago Bar and Grill** located at **Dows' Lake**, and the theme for the evening was **Membership Promotion**. The meeting was attended by **fifty-seven** guests, which consisted of **forty-five** members, **nine** guests and **three** students. The program for the evening was **ASHRAE – How You Can Get Involved**. The speaker was **Erich Binder**, who is an **ASHRAE Distinguished Lecturer** and independent engineering consultant in **Calgary, Alberta**. President **Dan Redmond** called the meeting to order, thanked all the local volunteers for their contributions and the upcoming meetings and seminars for the year and introduced the **Executive, Board of Governors** and **Chapter Chairs** and **Volunteers**. Secretary **Adrianne Mitani** introduced the guests for the evening.

**Andrew Brown**, the membership promotion chair, introduced himself and what he learned at the recent **CRC** and training about **Why I ASHRAE** as well as the new members of the **Ottawa Chapter**. There has been an increase of seventeen new members over the summer.

President **Dan Redmond**, thanked the chapter from the resounding success of last years research promotion campaign, in raising over **220%** of our goal setting a record for the chapter.

**Aaron Dobson**, President-Elect and Research Promotion Chair provided a research promotion recap for the **2017-2018** chapter year. The Chapter was one of the top three of all **ASHRAE** chapters for funds raised, much of the money raised was toward the local **scholarship** which will be given out to a local student next year. Our goal set for

this year is **\$35,000**, the money is raised from the monthly **raffles** as well as events like the **golf tournaments** and the money raised stays in the region. Over **\$200,000** was raised last year in our region, and over a **million dollars** was donated by Society to local research in our region.

**Jordan Hansen** discussed **YEA** and creating a friendly community, and upcoming chapter **YEA** event which will be held for the end of **October 19th** for a **Redblacks** game event, and everyone is welcome to attend.

Governor **Joe Della Valle** spoke about the **Golf Stroke** play tournament for the upcoming Friday, registration is sold out, further information will be sent out, and thanks for **Steve Moons** and everyone registered.

**ASHRAE** President Elect **Darryl Boyce** and President **Dan Redmond** presented awards from the Annual meeting in **Houston** and the CRC in **Windsor** to recognize the efforts of volunteers at Society and Regional levels. The Society **William J Collins Jr Research Promotion award**, and **Presidential Award of Excellence** with special citations from the CRC were presented to **Adam Graham**. Chapter Service Awards from the CRC for members who dedicate service to the Chapter were presented to **Chris Frauley** and **Georges Maamari**.

Dinner was choice of Heirloom Tomato Soup or Cranberry Walnut Salad, or Caesar Salad for starter. Chicken Supreme, Honey and Herb Roasted Atlantic Salmon or New York Striploin or General Tsao Cauliflower for main and New York Style Cheesecake for dessert.

Raffle tickets were sold to win **four** Club level **Redblacks** Tickets for **October 10th** against the **Winnipeg**



**Secretary**  
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**Blue Bombers**. A total of **\$580** was raised for **ASHRAE** research and the ticket was chosen by President-Elect **Darryl Boyce**, and **Joe Della Valle** won. **Four** other tickets for the same game were auctioned off for **\$250** and were bought by **Adam Graham**.

President **Dan Redmond** announced the program topic and introduced the speaker, **ASHRAE DL Erich Binder** from **Calgary**. **Erich Binder** has been involved with **ASHRAE** for **45** years and is part of the Board of Directors and is a Society Director at Large. Erich discussed the many ways to get involved with **ASHRAE**, including the distinguished lecture program, if you have a presentation it is a great opportunity to travel and meet people in our industry across the world. Find your passion, there are many areas of the organization to get involved in.

He gave an overview of the different areas of the organization. **ASHRAE** has **57,000** volunteers with student members, **YEA** members, **11,000** Canadians, **130** Countries, **15** Regions, **183** Chapters, and **269** Student Branches.

**ASHRAE's** vision is to become a global organization and leader, our set up is unique with our volunteer base and collaboration with many partners to provide professional growth in the **HVAC** industry. Areas to get involved include the Chapter level committees, Regional level, CRC's, technical committees, government affairs, education and publications, and society conferences.

Getting involved at the **chapter**

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**level** can mean being part of a committee, which can take a few hours a month or organizing one event during the year. By attending chapter meetings, you will learn who is in industry outside of work hours. Volunteering does not need to be an intimidating time commitment.

Regional conferences, **CRCs**, are an annual organization meeting to train the incoming board members and committee chairs. They are a great place to get involved and volunteer as well as find out more about how chapters are operated.

Region also has leadership that run the **CRC** and many are nominated and selected at the CRC. The regional leadership supports the chapters during the year.

**Technical committees** are a great way to get involved, and allow members to be involved in the creation of standards and handbooks. All volunteers start as nonvoting members and you can volunteer to review **presentations, technical papers, standards** and **handbooks** and give input into the creation of standards, papers and handbooks.

**Technical committees** are

responsible for presenting at **ASHRAE** meetings and you are able to meet people from across the world at the winter and summer meetings and during conference calls during the year. **ASHRAE** standards are **ANSI** accredited consensus standards and the committee voting members must have a majority, as an example **standard 189.1** has **85,000** commenters, which allows the standards to be well vetted by the large group of volunteers that **ASHRAE** has. **ASHRAE** has **130** active standards which are updated on a **3 year** cycle.

**Government affairs** is a chapter and society committee that talks to local government at local levels, such as the **Ottawa Day on the Hill** which talks to MP's about **ASHRAE**, standards and guidelines and to make them aware of our organization.

Publications and education created by **ASHRAE** include **communications, communiques, journals**, as well as **certifications** and **continuing education courses**. Education also includes ALI courses such as commissioning for operation and performance in the

learning institute. Members can be involved by contributing, attending or presenting the materials.

**YEA leadership weekends** are a great opportunity for members under **35** to develop soft skills and network with young leaders across **North America** and also learn more about **ASHRAE**.

The main thing that **Erich** emphasized on was the great opportunities that **ASHRAE** offers to get involved and to find what your passion is, whether it is in a technical committee and or in leadership. Find your passion, and find people with similar passions to collaborate with and build your network in industry.

President **Dan Redmond** thanked **Erich Binder** and reminded attendees of the **survey** which will be emailed. The next meeting is **October 16<sup>th</sup>** at the **Centurion Conference and Event Center**.

## Membership Update

Greetings everyone,

We are **one month** down already and moving right along. This year it is my goal to restart the **lunch and learn series**. If you know an organization that would be a good fit or you have content suggestions for the presentation please **contact me**. I'm open to any suggestions.

I would also like to introduce and

welcome the following new members:

- **Zacharie Lenthier**
- **Kye Daniel Branton**



### Membership Promotion

**Andrew Brown**  
2018-2019  
OVC Membership  
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# News Update

## Registration Opens for the 2019 ASHRAE Winter Conference

**ATLANTA** (Sept. 4, 2018) – **ASHRAE** is pleased to announce registration is open for its **2019 Winter Conference**, to be held in **Atlanta, Ga.**, Jan. 12-16, at the **Omni Hotel Atlanta** at **CNN Center** and the **Georgia World Congress Center**. Registration for the conference provides entry to the co-sponsored **AHR Expo**, to be held Jan. 14-16 at the **Georgia World Congress Center**.

The **ASHRAE Winter Conference** features eight conference tracks, tours, social events, and a keynote speech from **Grant Imahara**, a former host of **Discovery Channel's Mythbusters**.

The conference presents the latest topics in the **HVAC&R** industry through a **technical program** featuring more than **1000** sessions and **300** speakers.

"Technology, operational demands, codes, and design objectives are constantly changing. System designers, manufacturers, representatives and contractors must continually adapt to a changing industry landscape", says **Corey Metzger**, conference chair. "The 2019 ASHRAE Winter Conference will provide a valuable opportunity for the sharing of knowledge and information, and the technical program at the conference will provide a venue for a wide range of

presentations and discussions."

Program tracks include:

- **Systems and Equipment**
- **HVAC&R Fundamentals and Applications**
- **Refrigeration**
- **Construction, Operation and Maintenance of High-Performance Systems**
- **Common System Issues and Misapplications**
- **The Convergence of Comfort, Indoor Air Quality and Energy Efficiency**
- **Building Integrated Renewables and Natural Systems**
- **The Engineer's Role in Architecture**

**ASHRAE Learning Institute** (ALI) will offer five full-day and 15 half-day **seminars** taking place during the conference.

New ALI courses include:

- **Advanced Designs for Net Zero Buildings**
- **Solar PV & Thermal System Analysis and Design**
- **Thermal Energy Storage Systems for Air Conditioning**
- **Choosing the Right Energy Code for your Project - IECC 2018 or ASHRAE 90.1-2016**
- **How Smart, Efficient, Sustainable Systems Lead to Improved Resilience**

The **AHR Expo** hosts more than **2,100** exhibitors and attracts crowds of **60,000** industry professionals



**Governor Jacob Hough**

2018-2019  
OVC Program  
Committee  
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**worldwide.** **ASHRAE Winter Conference** registrants will have full access to the **AHR Expo** with a conference badge.

In addition, **ASHRAE** conducts some **600** meetings during the course of the conference, with some **100** specific technical topics in **HVAC&R** technology addressed. The meetings are open to the public.

Take advantage of **early bird** registration savings through **Oct. 28**. For complete conference and expo information, visit the **2019 ASHRAE Winter Conference** and the **AHR Expo** websites.

## ASHRAE Launches Online Standards Review Database

**ATLANTA** (September 11, 2018) - **ASHRAE** has announced the launch of an updated and improved online standards review **database** that allows members and non-members access to public review drafts for standards, guidelines, and addenda and to submit comments.

"The online standards review database has been updated to provide greater functionality than our

**Stantec**

David Yin, P.Eng., LEED AP  
Senior Associate, Buildings Engineering

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previous system”, says **Jeff Littleton, ASHRAE Executive Vice President**. “The new system improves **efficiency** for **staff** and **volunteers** by providing information in a **faster** and a more **meaningful** way. We’re excited to present such a well-integrated database to our standards development community.”

The new system offers a single sign in feature, keeping the user logged in if already logged into [ashrae.org](http://ashrae.org), and a new **dashboard**, to easily access and highlight those items that require attention. The **dashboard** provides quick links to individual and committee comments, committee responses to comments, continuous maintenance proposals, and outstanding ballots.

Additional features of the improved database include:

- Complete letter balloting within the system with downloadable reports that demonstrate procedural compliance with ASHRAE ANSI approved

standards development procedures,

- the ability to hold committee votes on motions to approve public review publication interpretations, minutes and any other committee business,
- voting rules that are compliant with **ASHRAE** procedures, allowing for reduction of errors and minimizing the need for members to maintain excessive documentation,
- automated notifications, warnings and reminders directly from the system, when deadlines are approaching,
- continuous maintenance proposals entirely online, and
- the ability to view proposals online and download proposals to work offline.

“We’re pleased to bring this improvised innovative tool to our members and nonmembers alike”, says **2018-19 ASHRAE President Sheila J. Hayter**. “This updated database will be an invaluable

resource toward ensuring that **ASHRAE**’s rigorous examination of standards is strengthened.”

To access the new online standards review database, please visit [ashrae.org/publicreviews](http://ashrae.org/publicreviews)



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# Student Activities

Happy fall!

happy to see many new faces.

This year is shaping up to be a very exciting one for **Student Activities**. We have a great team starting their design competition from **Algonquin College**. **Jake Henderson, Joel Ferguson, Martin Adebayo** and **Abdillahi Daheeye** will have the help of experienced mentor **Chris Frauley** at their finger tips. We are all looking forward to seeing what they can produce.

**Peter Shaw-Wood** and I also met up with some very excited tech teachers over at **Earl of March High School**. The tech students will be getting a tour of the **Modern Niagara Ottawa** sheet metal shop in **October**. We are excited for the opportunity to show some young students the construction industry and everything it has to offer.



## Student Activities

**Elizabeth**

**Primeau**

2018-2019

OVC Student

Activities Chair

**Total HVAC**

E-mail: [elizabethp@totalhvac.com](mailto:elizabethp@totalhvac.com)

We are looking to help a budding Student Branch at **Queens** come to the **Chapter** meeting in **November**. If you would like to fund their transportation to **Ottawa**, please **contact me** and we can discuss arrangements. This is a great chance for the students to see what **ASHRAE** is all about and hopefully want to return time and time again.

Thank you.

**Elizabeth Primeau**



On **September 18<sup>th</sup>**, we had a great event at **Carleton University** with our guest speaker **Erich Binder**. **Erich** spoke to a group of over a **dozen** students about how to get involved with **ASHRAE** and **industrial ventilation**. Big thank you to **Erich Binder, Dan Redmond, Jayson Bursill, Peter Shaw-Wood** and all the students who came out! I was very

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## YEA

Hi OVC!

I hope everyone had a great summer.

This year with **YEA** will look to continue with the events from previous years as well as add a few ones. We have good feedback from the **axe throwing** and **archery tag** events so those will be included again this year!

The first event of the year will be a new event and we will be going to the **Redblacks** game against the **Hamilton Tiger Cats** on **October 19<sup>th</sup>**! There will be **20** spots available so keep an eye out for the registration **link** coming soon and sign up early so you don't miss out of this event!

Thanks.



## Committee Chair

**Jordan Hansen**

2018-2019

OVC YEA Chair

**Goodkey Weedmark**

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# Advertising

Advertising career opportunities on the **ASHRAE Ottawa Valley Website** makes good business sense. We offer a unique way to reach technical professionals and make your ad dollars work hard for you.

To discuss your needs, contact one of our chapter officers, via our "This Year" page. Increase the impact of your advertising through the **ASHRAE Ottawa Valley Website** today.

Rates for **career opportunities** ads are as follows:

## Chapter Member:

\$50/month  
\$80/2 months  
\$100/3 months

## Non-member:

\$250/month

*Note: Purchase of additional months will only have a discounted rate if purchased up front. Otherwise the standard rate will apply for additional months.*

## Placement of an Ad

We suggest that you complete and submit our advertisement form to speed up the processing of your request. If you have provided your e-mail address, a confirmation receipt e-mail will be sent to you for reference.

Please note that ads require prepayment made to the treasurer. Please register and pay through the online system and contact **Adam Moons** ([amoons@master.ca](mailto:amoons@master.ca)) with any questions. Follow the link below for payment.

The ads will appear on the website until the end date for publication provided in the submitted form. To extend the ad, please resubmit the form with the new publication dates and the required prepayment amounts.

Link: <https://ashraeottawa.simplesignup.ca/en/2590/index.php?m=eventSummary>

Link: <https://ashraeottawa.simplesignup.ca/en/2593/index.php?m=eventSummary>

# Business Card Ads

You can support your chapter and promote your business by placing your business card in the Capital Communiqué. It will also appear on the chapter website.

The cost is \$250.00 for the year. Please contact **Rod Lancefield** at [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com) for more details.

Payment will be made through the online system. Follow the link below for payment.

<https://ashraeottawa.simplesignup.ca/en/2591/index.php?m=eventSummary>

Ads will **now require prepayment**. All of last year's ads will appear in the Communiqué for the first month of this year to allow time for payment for the upcoming year. Ads will be refreshed accordingly in the second Communiqué.

## Publicity

### 2018-2019 Publicity Committee Co-Chair

HTS Engineering Ltd.  
E-mail: [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)



**Treasurer**  
**Adam Moons**  
2018-2019  
OVC Treasurer  
**Master Group**

E-mail: [amoons@master.ca](mailto:amoons@master.ca)



**Publicity**  
**Rod Lancefield**  
2018-2019 Publicity  
Committee Co-Chair  
**HTS Engineering Ltd.**

E-mail: [rod.lancefield@hts.com](mailto:rod.lancefield@hts.com)

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### Special Events

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Elizabeth Primeau

#### Table Top

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#### YEA

Jordan Hansen

#### Website

Ryan Dickinson