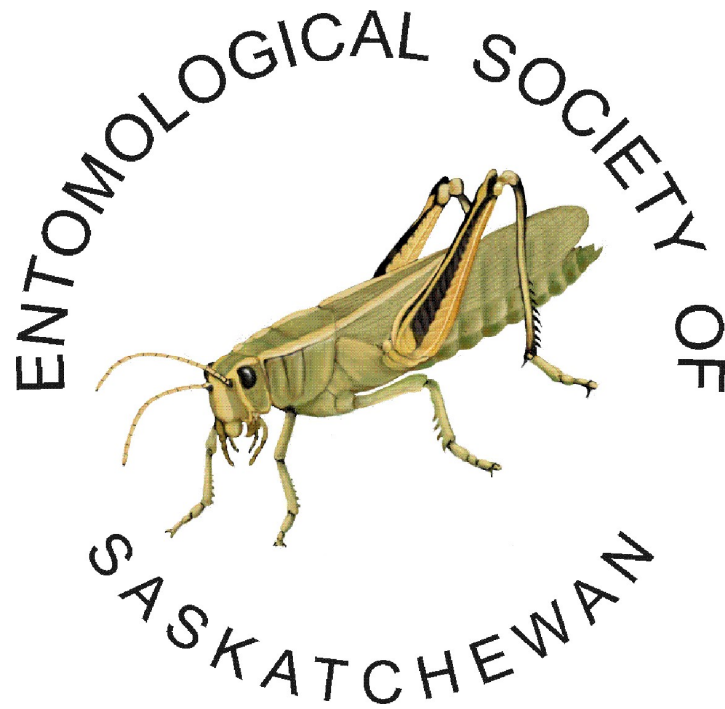


# Proceedings of the



Volume 70

2022

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# Proceedings of the Entomological Society of Saskatchewan

Volume 70

Editor: Iain Phillips

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## **Editor's comments**

The Society had approximately 92 members (31 full members paid up in 2022 [plus, 25 Life Members] and 39 students). Bryan Sarauer became the newest life member from the 2021-2022 fiscal year. A copy of the Proceedings of the Entomological Society of Saskatchewan for 2021 was given to the Saskatchewan Archives. The COVID-19 pandemic continued, but restrictions for gathering and activities slowly started to relax through the year. Although the Society had to host its Spring meeting online, we were able to offer a hybrid model for the fall Annual General Meeting between the Education Building at the University of Saskatchewan and an online platform. At the spring meeting of the ESS, Dale Parker provided a fantastic talk on the flora and fauna of his property at Ruddy Duck Lodge near Yellow Creek, Saskatchewan, and Kevin Judge provided a guest lecture on Katydid in the prairie provinces at the fall AGM prior to the student talks. The student talks were of high quality this year, spanning agriculture, behaviour and biodiversity studies, and Georgiana Antocki-Crihan was awarded the best student presentation from these works.

It was a busy year of planning again, as the Society was actively preparing for the Entomological Society of Canada and Entomological Society of Saskatchewan Joint Annual Meeting 2023 (ESC-ESS JAM 2023). The venue, logo, theme, and budget were all worked out through the Local Organizing Committee's activities, and everyone is looking forward to a great event in 2023.

The enthusiasm and participation I perceived in 2021 continued through 2022, and we had quite a large participation in our fall AGM which is promising considering the restrictions everyone has faced during the pandemic. As we emerge from the pandemic, I am optimistic that the Society will be larger and more active than it has been in decades, and we will proudly showcase this at the national meeting in 2023. A new committee was formalized in 2022 to focus on issues around Species at Risk in Saskatchewan, led by Jeff Boone. Many of our members are asked to participate in evaluating or preparing species at risk reports this committee will have an active role in advocating for insect conservation in Saskatchewan and be a point of contact for inquiries in the future.

The Entomological Society of Saskatchewan today feels as though it is going through a renaissance of sorts, as most of the executive and active members are of a younger generation either leaving school or early in their careers. Thanks to the mentorship they received as they took up positions with the Society this involvement has a promising future of building an even larger entomological community here in the province in the coming years. I truly am grateful to be a part of this and bear witness to such a vibrant group.

Iain

## **Executive, Officers and Committee Members 2022**

### **Executive:**

President .....	Stefanie de Heij
Vice-President.....	Graham Parsons
Past President.....	Stephen Srayko
Secretary .....	Iain Phillips
Treasurer .....	Tyler Wist

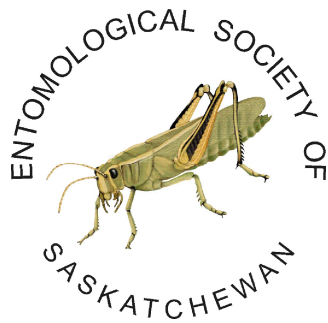
### **Committee Chairs:**

Youth and Amateur Encouragement.....	Chrystel Olivier/Tyler Wist
Proceedings Editor .....	Iain Phillips
Honours and Awards.....	Stephen Srayko
Microscope.....	Iain Phillips
Social Media .....	Stefanie de Heij
.....	Marianna Horn
Archives and Heritage.....	Martin Erlandson,
.....	Cedric Gillott, and
.....	Meghan Vankosky
Nominations.....	Sean Prager
Species at Risk .....	Jeff Boone

Regional Director to the ESC .....Danielle Stephens

Auditors: Julie Soroka, and Chrystel Olivier

## I. Minutes of the 2022 Spring Meeting



**Spring Meeting of the Entomological Society of Saskatchewan  
April 8<sup>th</sup>, 2022, 14:30 pm – Online Virtually**

### SCIENTIFIC AGENDA

14:30 Presentation by Dale Parker “From *Aphanizomenon* to *Alces alces* and things that go bump in the night: The biodiversity of a Saskatchewan wetland-aspen forest habitat complex.”

### BUSINESS MEETING

15:30 Call to Order – Stefanie de Heij

#### 1) Introduction of the Members

Haroon Andkhoie, Stefanie de Heij, Iain Phillips, Tyler Wist, Ashley Mills, Doug Baldwin, Jeff Boone, Scout Butler-Siemens, Dale Parker, Danielle Stephens, Marianna Horn, Julie Soroka, Mozghan Mousavi, Owen Olfert, Graham Parsons, Sean Prager, Karolina Pusz-Bochenska, Rielle Chou, Brian Sarauer, Stephen Srayko, James Tansey, Daniel Wiens, Sydney Worthy

#### 2) Approval of Agenda

**Motion:** Stefanie de Heij/Graham Parsons. THAT the proposed agenda be adopted.

**CARRIED.**

#### 3) Minutes of the fall meeting – December 3<sup>rd</sup>, 2021

**Motion:** James Tansey/Jeff Boone. THAT the minutes of the spring meeting December 3<sup>rd</sup>, 2021 be adopted.

**CARRIED.**

#### 4) Business Arising from the Minutes

**Action Item:** Creation of Insect ID Repository on Website – Jeff Boone.  
**Complete**

**Action Item:** Creation of the Social Media Committee – Stefanie de Heij. The social media committee is already created and Stefanie de Heij has submitted a short committee update. From now on the social media committee shall be in the meeting agenda under committee reports and the newsletter and website can be integrated within the Social Media Committee, as it now all falls under one committee.  
**Complete**

- 5) Treasurer's Report – Tyler Wist (Appendix A)
- a. Two new student members, and two regular members.
  - b. Bryan Sarauer is our newest life member.
  - c. Main source of income is membership dues (\$430).
  - d. Interest income of \$538 from investments
  - e. Tyler Wist set up an account for the ESC-ESS JAM 2023
  - f. There is a chequing account Tyler Wist is going to look into closing
  - g. Tyler Wist renewed our charitable status with ISC
  - h. Tyler Wist encourages the students to apply for the Brooks Award
  - i. Jeff Boone asks if we could see if there is a rise or fall of income over time, and the stability of our balance. Tyler Wist will make a figure for the total balance over time to be presented at the next Treasurer's Report.

**MOTION:** Tyler Wist /Jeff Boone. THAT the ESS accept the Treasurer's Report.

**CARRIED.**

- 6) Secretary's Report and Proceedings – Iain Phillips
- a. No written report this time
  - b. The Proceedings from 2021 have been prepared and Iain Phillips asks for a volunteer to provide peer review on the Proceedings before they are published.

**MOTION:** Iain Phillips/Tyler Wist. THAT the ESS accept the Secretary's Report.

**CARRIED.**

- 7) Regional Director's Report – Danielle Stephens (Appendix B)
- a. For the June issue of the Entomological Society of Canada bulletin Cedric Gillot is soliciting submissions.
  - b. April 26<sup>th</sup> is the next ESC meeting

**MOTION:** Danielle Stephens/Tyler Wist. THAT the Regional Director's Report be adopted.

**CARRIED.**

- 8) Committee Reports
- a. Amateur Encouragement – Tyler Wist



- i. Approached by Gardenscape, but Tyler Wist had a conversation with Chrystel Olivier and her feelings were that Gov Canada employees would not be able to participate. The ESS was not approached to participate in Good-Bugs, Bad-Bugs which would otherwise cover the cost of Gardenscape
    - 1. Julie Soroka noticed that the Vermiculture people were providing a talk at Gardenscape and asks if we could have the \$700 waived and provide a talk there from our group in the future without the full commitment of a Gardenscape booth. Tyler Wist will look into it, and we will all discuss participation next year.
  - ii. Tyler Wist did not apply for the ESC grant for amateur encouragement as we have not been active in amateur encouragement during COVID-19 pandemic restrictions. Tyler Wist will consider applying in the coming year however.
  - iii. Jeff Boone presented at daycare, focused on mulch. The daycare at Mount Royal School. Audience was 3-year-olds, and there were 15 kids.
  - iv. Iain Phillips gave talk to Saskatoon Nature Society in January on aquatic entomology.
- b. Archives/Heritage – Martin Erlandson, Cedric Gillott, and Meghan Vankosky.
  - i. No report
- c. Microscope – Iain Phillips
  - i. It is with Iain Phillips at Water Security Agency
  - ii. Three more microscopes have been donated and available for use by the ESS membership.
  - iii. Mariana Horn asks if the microscope could be available for outreach activities with children's groups.
    - 1. Tyler Wist will look into the purchase of microscopes that are less fragile to be used at classrooms.
- d. Honors & Awards – Stephen Srayko
  - i. ESS Entomological Activities Award
    - 1. Nothing to report
  - ii. Brooks Prize
    - 1. Nothing to report
  - iii. Iain Phillips reminds students of the deadline for the Brooks Award, and deadlines for the ESS Entomological Activities Award
- e. Nominations Committee – Sean Prager
  - i. No nominations to report.
  - ii. At the next meeting we will need nominations for the position of Vice President.
- f. Social Media Committee – Stefanie de Heij and Marianna Horn
  - 1. All three previous outreach committees (website, social media, newsletter) have been merged into one committee now.
  - 2. Please forward submissions for the newsletter to Marianna Horn.
  - ii. Social Media
    - 1. Nothing to report
  - iii. Website

- 1. Nothing to report
- iv. Newsletter
  - 1. Nothing to report

**MOTION:** Stefanie de Heij / Julie Soroka. THAT the Committee Reports be adopted.

**CARRIED.**

9) Other Business

- a. ESS-ESC JAM 2023 discussion and updates
  - i. Tyler Wist:
    - 1. The hotel is reserved
    - 2. Monthly meetings have been maintained
    - 3. There are open positions to help
    - 4. Sydney Worthy's submission for the ESC-ESS JAM 2023 meeting was selected for the meeting
    - 5. Draft program was prepared by Iain Phillips as a guide for the Scientific Committee to follow in its development.
  - ii. Stefanie de Heij
    - 1. On behalf of the Scientific Committee, solicitation of submissions for speakers.
  - iii. Jeff Boone
    - 1. We still have a theme problem that needs to be resolved.
    - 2. He needs this soon for the advertising.
    - 3. Marianna Horn mentions on there was some distractions with other items
    - 4. Iain Phillips will convene a subcommittee next week to resolve the specific theme that will be used.
- b. Update on CFIA rearing container
  - i. Jeff Boone updates the ESS on the status of the rearing container that the Society was pursuing from the CFIA.
  - ii. There is a Joint Use Agreement in place now between the City of Saskatoon and the Entomological Society of Saskatchewan to bring this rearing container to Saskatoon for entomological rearing projects.
  - iii. Long process of getting the donation of the container arranged.
  - iv. This spring, Jeff Boone received notification from the CFIA that they are close to being able to initiate the move.
- c. Call from the Reflections on Nature show
  - i. Opportunity for us to participate, and if there is an interest from the membership to participate then we could pursue it further.
- d. Reminder to add Endangered Committee to the Agenda in the future from Jeff Boone.

10) Date of the Fall AGM

- a. December 9<sup>th</sup>, 2022

11) Adjournment

**Motion:** Stefanie de Heij. THAT the spring meeting of the ESS be adjourned.

**CARRIED.**

## Appendix A: Treasurer's Report

### ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN MEMBERSHIP AND INTERIM FINANCIAL REPORT

01 September 2021 – 31 March 2022

#### MEMBERSHIP

- In this fiscal year (2021-2022) so far the ESS has 2 new student members and 2 new Regular members. Welcome, and welcome back, to Bryan Sarauer, our newest life member!

#### ESS GENERAL ACTIVITIES

- The main sources of income were from membership dues with \$430 collected and interest income of \$548.

#### FINANCE

- The ESS total assets are as follows:

Term Deposits (balance plus accrued interest)

#007	12,000
#009	15,640.09
#011	13,685.80
#012	11,771.00

Chequing Max 1	-2.00
Chequing Max 2	221.30
Chequing Max 3 (opened-2022)	0.00 (ESC loan)
Outstanding deposits (Paypal)	430.00

Outstanding liabilities                      0.00

**Total    53,746.19        (58,758.63 in 2021)**

- Registered Charity and Non-Profit Corporations status were renewed (in Jan 2021).
- Registered Charity Tax Return was filed in December (2021).

Please refer to the enclosed financial statement for further details.

**Financial Statement – Entomological Society of Saskatchewan  
01 September 2020 – 31 March 2021**

**MAXIMIZER ACCOUNT (ESS)**

**Receipts:**

Memberships	\$ 430.00
Outstanding deposits	
Interest (CU Maximizer and Term Deposit)	548.00
<b>TOTAL</b>	<b>978.00</b>

**Expenditures:**

Delta Downtown Hotels (JAM 2023) deposit	5,000.00
Brooks Award	0.00 (no applicants))
Ent. Act. Award	1250.00 (Abigail Cohen \$750.00, Aaron Bell \$500)
Student Presentation Award	100.00 (Berenice Romero)
Meeting Expenses (Fall 2021 was online)	0.00
Postage	0.00
Bank Charges (print fees)	7.00
Website fee	0.00
Misc. (PayPal Fees)	17.60
Misc. (ISC) Not-for Profit-renewal fee (Tyler)	15.00
Interest on Community Builder Chequing Sub # 011	0.02
<b>TOTAL</b>	<b>6389.80</b>

Excess of Receipts over Expenditures      \$    **-5411.8**

## Appendix B: Regional Director's Report

### ENTOMOLOGICAL SOCIETY OF CANADA REPRESENTATIVE OF THE ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN REPORT

<b>Period under report:</b> [27-09-2021 – 08-04-2022]
<b>Summary of activities during report period:</b>  <b>Entomological Society of Canada Board of Directors meeting</b> – November 29, 2021 Danielle Stephens appointed representative of the ESS to the ESC Review of the online meeting at the recent JAM, the future of JAM's (in person/online) to be a ongoing topic The ESC General Code of Conduct was approved. The Board approved changes to the ESC Standing Rules and Committee Guidelines  <b>Entomological Society of Saskatchewan LOC planning meeting</b> - January 14, 2022 ESS executive and the JAM planning committee went through "Future of JAMs" questionnaire Questionnaire was submitted to ESC on February 03, 2022  <b>Meeting of the Entomological Societies of Canada (MESC)</b> - Thursday March 24, 2022 Some discussion of JAM future results  Upcoming: <b>Entomological Society of Canada Board meeting</b> - Tuesday, April 26, 2022 A focus will be on the future of JAM's document compiled.
Respectfully submitted, Danielle Stephens Regional Director 08 - 04 - 2022

# Planning for the Future of JAMs

## Questions for the Executives of Regional Entomological Societies

Please review the accompanying documentation about the future of Joint Annual Meetings (JAMs) and then develop consensus responses from your Society's executive to the following questions. Please forward your responses to [ESCSecretary@esc-sec.ca](mailto:ESCSecretary@esc-sec.ca); your responses, and those of all other regional societies, will be provided to the participants in a "*Future of JAMs*" Meeting of the Entomological Societies in Canada. Please respond by **15 February 2022**.

1. What does your society consider to be the most important benefits of hosting a JAM with the Entomological Society of Canada (ESC)?

A. Please answer the question from the point of view of **your Society as an institutional entity**.

**From the point of view of the Entomological Society of Saskatchewan, hosting a JAM with ESC was historically a financial success for our society. The JAM allows for award opportunities for the society and contributes to the overall financial success as we are a small member organization.**

B. Please answer the question from the point of view of **individual members of your Society**.

**Previous members of the JAM organizing committee cited that hosting is a lot of work and commitment from the society members, however that it also increases the team building and interaction of the society. The JAM also brings together more people that may not be part of the membership regularly or do not have a heavy involvement in the society otherwise (for example the amateur award). Overall, this creates more local networking.**

2. What are the most significant challenges that your society faces in hosting a JAM with the ESC?

**Commitment of members time and resources towards JAM planning. The risk for a smaller society (and a province considered more remote) is a smaller turn out and the potential risk of monetary loss due to this.**

**COVID is of course the number one challenge giving the uncertainty at the present time.**

3. Several arrangements could be considered for future JAMs. Please comment on your society's views on the positive and negative aspects of each of the following:

A. Exclusively online JAMs, with no in-person JAMs.

Positive aspects:

- For attendees there is the potential to save money with (potentially lower) registration costs and with no travel costs. Therefore, there could be increases in attendance.
- Increased attendance potential for government employees and for others with jobs where travel is more limited.
- Increased ability for students to attend (virtually) and give presentations for the CV's.
- Potential increased exposure of those student talks, given people not needing to leave to walk to another talk or leave early on the last day to fly out. Likewise, if the links to talks are available post meeting.

Negative aspects:

- Students will not learn the same public speaking process, especially in the case of a having a pre-record talk.
- Level of engagement is limited (even with networking opportunities and good technology), particularly the level of engagement which builds career connections, the type which has a greater impact on people.
- There is value in practicing professionalism and talking to people in their profession (in person).
- In person makes it easier to meet people, get involved and move forward in careers.
- In person much more enjoyable (we are social creatures).

B Annual hybrid JAMs, with a (probably smaller) in-person meeting with elements also available online.

Positive aspects:

- Can get guest speakers that would not attend in person.

Negative aspects:

- LOC is not going to fill rooms with a hybrid meeting, difficult to coordinate and plan for.
- Twice the logistics with having both online and in person.
- Cost of both the rooms and the expert auto-visual fees. Need to ensure quality experience for both sets of attendees. This likely includes many auto-visual staff if there are multiple panels.
- Talking comments from the digital side to a room, ensuring questions from the room can be heard digitally, it is hard to maintain a flow. The moderators would have a important job but would moderators be society professionals able to explain technical clarification questions or would moderators by default be the auto-visual staff ensuring the experience?
- If hybrid option is available workplaces will choose that, this pushes the conference towards online.
- There is no opportunity to interact with the special speakers as they would be brought in digitally (which may be the majority of the speakers, if given the option).

C Online JAMs in alternating years with in-person JAMs in the opposite alternating years

Positive aspects:

- Although it is not clear how this would work, if it was by society's choice the positive aspect would be a society could choose what worked for them.

Negative aspects:

- How would the alternation work? There is the potential to create a divide. This could be unfair to the smaller societies if not given a choice.

D Annually, a small in-person meeting, emphasizing networking and social interactions, and (annually) a science-intensive online meeting.

Positive aspects:



Negative aspects:

- **For those working, how could they justify getting fundings or work money to attend a social event?**

E Your society's suggestion – **in person meeting, as was done before COVID.**

Positive aspects:

- **Encourages in personal collaboration, national mixing of people in the profession.**
- **Show cases regional society, a region of Canada and promotes diversity.**

Negative aspects:

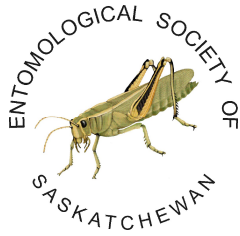
- **Pandemics have taken this out as an option *for now*.**
- **Inability to travel does create restriction of access to in person only meetings.**

4. Please rank in order of your society's preference (1 being most preferred) the alternative arrangements given in question 3.
- **#1 E – In person meetings**
  - **#2 A – Exclusively online (note this is #2 when viewed as the organizers, number 3 when viewed as potential attendees)**
  - **#3 B – Annual hybrid JAMs (note this is #3 when viewed as the organizers, number 2 when viewed as potential attendees)**
  - **#4 D – Social and Science separately**
  - **#5 C – Alternating Years – there was not enough information provided on this concept, however as it is currently understood, it is the least favoured.**
5. Given that online participation is going to be a feature of future JAMs, what one change in those future JAMs would your society like to see?

**To create a good online experience takes effort and expensive professional services. There needs to be a lot of thought to make online engaging and to create good networking efforts.**

6. Additional comments to be shared with participants in the “*Future of JAMs*” Meeting of the Entomological Societies in Canada.

## II. Minutes of the 2021 Fall Annual General Meeting



**Fall Annual General Meeting of the Entomological Society of Saskatchewan**  
**December 2<sup>nd</sup>, 2022, 13:30 pm**  
**Education 1024, University of Saskatchewan**  
**Saskatoon, Saskatchewan**  
**In person and online virtually.**

### MEETING CONNECTION INSTRUCTIONS:

Online connection for our guest presenter and members who wish to join online are as follows:

#### Microsoft Teams meeting

**Join on your computer, mobile app or room device**

[Click here to join the meeting](#)

Meeting ID: 230 098 571 581

Passcode: rRKMbY

[Download Teams](#) | [Join on the web](#)

**Join with a video conferencing device**

wsask@m.webex.com

Video Conference ID: 117 144 786 6

[Alternate VTC instructions](#)

**Or call in (audio only)**

[+1 647-794-5613,,216463448#](#) Canada, Toronto

Phone Conference ID: 216 463 448#

### SCIENTIFIC PROGRAM

Guest and student presentations below, with full abstracts following the agenda (Appendix A).

#### Guest Presentation

13:30-14:00 **Kevin Judge** “How did Roesel’s Katydid get to Alberta?”

#### Student Presentations

14:00-14:15 **Scout B. Butler-Siemens** and Iain D. Phillips

Decomposition of manure in aquatic ecosystems

14:15-14:30 **Jacob C. Ulrich**, Douglas P. Chivers, and Maud C. O. Ferrari

The effect of anthropogenic change on the predation efficiency of predaceous diving beetle larvae (*Dytiscus circumcinctus*).

14:30-14:45 **Prashani D. Wickramasingha**, Christy A. Morrissey, Iain D. Phillips, Adam L. Crane, Maud C. O. Ferrari, and Douglas P. Chivers

Effect of imidacloprid, on predator-recognition learning in damselfly larvae.

14:45-15:00 **Georgiana Antochi-Crihan**, Samantha Morrice, and Sean Prager

Ground Dwelling Arthropod Community Distribution Across Prairie Landscapes

15:00-15:15 **Karolina Pusz-Bochenska**, Edel Perez-Lopez, Tim J. Dumonceaux, Chrystel Olivier, Jose Andres, Tyler J. Wist, and Jack Gray

AY-Winds: Shedding light on phytoplasma and leafhopper provenance through the development and application of molecular diagnostics, typing, and population genetics tools.

## **COFFEE BREAK**

## **BUSINESS MEETING**

15:45 Call to Order – Stefanie de Heij

1) Introduction of the Members

Stefanie de Heij, Iain Phillips, Dana Sandercock, Inger Pors, Loki Snyman, Tyler Wist, Georgiana Antocki-Crihan, Ashley Mills, Stephen Srayko, Daniel Wiens, Graham Parsons, Aaron Bell, Jaedyn Kovacks, Prashani Wickramasingha, Scout Butler-Siemens, Sean Prager, Owen Olfert, Dylan Sjoke, Sydney Worthy, Danielle Stephens, Meghan Vankosky, Jeremy Irvine, Jois Shreyas, Jeff Boone, Breanne, Jordan Mihalicz

2) Approval of Agenda

**MOTION:** Tyler Wist/Graham Parsons. THAT the proposed agenda be adopted.

**CARRIED.**

12) Minutes of the Spring meeting – April 8<sup>th</sup>, 2022

**MOTION:** Tyler Wist/Stephen Srayko. THAT the minutes of the ESS Spring Meeting April 8<sup>th</sup>, 2022, be adopted.

**CARRIED.**

13) Business Arising from the Minutes

- a. None

14) Treasurer's Report – Tyler Wist (Appendix B)

- a. 3 new student members, 1 new life member (Bryan Sarauer),
- b. Took in \$580 in membership,
- c. Interest income of ~\$900
- d. There were four accounts that create interest for the ESS
- e. We now have three accounts, and we are working on streamlining
- f. \$62,000, and of that we have an \$8,000 loan from the ESC for the 2023 JAM
- g. Expenditures, \$5,000 deposit at the Delta Hotel for the 2023 JAM
- h. No Brooks award for the fiscal year.
- i. No meeting expenses as the last meeting was online
- j. Graham Parsons asks about membership renewal – what is the window of time
  - i. Tyler Wist – Answers September to August

**MOTION:** Tyler Wist/Aaron Bell. THAT the ESS accept the Treasurer's Report.

**CARRIED.**

15) Secretary's Report and Proceedings – Iain Phillips (Appendix C)

- b. Google Scholar alert for publications in Saskatchewan
- c. Iain Phillips would like to include mention of completed graduate theses on entomological subjects that are completed in Saskatchewan each year in the Proceedings as well.

**MOTION:** Iain Phillips/Graham Parsons. THAT the ESS accept the Secretary's Report.

**CARRIED.**

16) Regional Director's Report – Danielle Stephens (Appendix D)

- a. ESC met April 26, 2022
- b. Details are provided in the Regional Director written report

**MOTION:** Danielle Stephens/Aaron Bell. THAT the ESS accepts the Regional Director's Report.

**CARRIED.**

17) Committee Reports

- a. Amateur Encouragement – Tyler Wist (Appendix E)
  - i. The ESS is getting back into Gardenscape with Good-Bugs, Bad-Bugs
  - ii. Not much outreach activity
  - iii. Tyler Wist supervised a science fair
  - iv. The ESC public outreach grants – Tyler will apply again
  - v. July 5, 2022 – Tyler Wist resented at the Care for Kids Summer Camp.
  - vi. Bryan Golka went to North Battleford for a Search and Rescue talk with the collection.
  - vii. Graham Parsons provides lots of outreach to beekeepers

- b. Archives/Heritage – Martin Erlandson, Cedric Gillott and Meghan Vankosky.  
(Appendix F)
  - i. The Committee has nothing to report
  - ii. Meghan Vankosky will send a report (included as Appendix F).
- c. Microscope – Iain Phillips
  - i. Shreyas Jois to take over Microscope Committee
- d. Honors & Awards – Stephen Srayko
  - i. Student Presentation Award goes to Georgiana Antocki-Crihan
  - ii. ESS Entomological Activities Award
  - iii. Brooks Prize – to Aaron Bell
- e. Nominations Committee – ~~Danielle Stephens~~ Actually Sean Prager

Jordan Mihalicz joins the executive as Vice-President for the Society

- f. Social Media Committee – Stefanie de Heij
  - i. Request for new committee head
  - ii. Ashley Mills offers to help
    - 1. Social Media
    - 2. Website
    - 3. Newsletter
- g. Species at Risk Committee – Jeff Boone
  - i. Call for interest went out in early 2022
  - ii. Jeff found that previous committees were more diverse in their activities so sent out the call and initiated the group.
  - iii. SAR Committee met in October to discuss the scope of the committee (whether advocacy, field work, point of contact etc.) and how to maintain momentum
  - iv. Circulated a couple articles.
  - v. Dave Larson and Dale Parker do not want to be active members, but want to contribute.
  - vi. Dave Larson brought forward 9 activities that promote insect conservation.
  - vii. Aaron Bell circulated the GBSTB recovery strategy request for public comment
    - 1. Aaron Bell says that the SAR documents come out slowly, and he helped write the document in 2020. Interested members should be able to find it on the registry.
  - viii. Central committee to disseminate recovery strategies to the ESS membership.
  - ix. Jeff Boone will connect with the Social Media Chair to get the simple tips for insect conservation to the public.
  - x. Graham Parsons is asked frequently to comment on COSEWIC reports on bumble bees.

**Action Item:** Summarize these activities so that it is a part of the record of the ESS history

- xi. We can be a repository for all that effort.

**MOTION:** Stefanie de Heij/Iain Phillips. THAT the ESS accepts the Committees' Reports.  
**CARRIED.**

18) Other Business

- a. ESS-ESC JAM 2023 discussion and updates
  - i. Ethics document and statement for ESS

19) Graham Parsons discusses the initiatives in Agriculture to introduce *Bombus huntii* to support pollination for crops.

- a. Pacific Branch of the Entomological Society of America – From Sean Prager
  - i. Our students are eligible if they join the ESA Pacific Branch

20) Introduction of new executive

21) Date of the spring meeting of the ESS

- a. April 14<sup>th</sup>, 2023 - tentatively
- b. Back to AAFC tentatively, but will explore Regina for the spring meeting

22) Adjournment

**MOTION:** Graham Parsons. THAT the ESS adjourn the Fall Meeting 2022.

**CARRIED.**

## **Appendix A: List of Abstracts**

### **Ground Dwelling Arthropod Community Distribution Across Prairie Landscapes**

Antochi-Crihan, Georgiana<sup>1</sup>, Samantha Morrice<sup>1</sup>, Samantha, and Sean Prager<sup>1</sup>

<sup>1</sup>Department of Plant Sciences, University of Saskatchewan, 51 Campus Drive, Saskatoon, Saskatchewan, Canada, S7N 5A8.

Email: [georgiana.antochi@usask.ca](mailto:georgiana.antochi@usask.ca)

#### **Abstract:**

The Canadian prairies are characterized by large patches of agroecosystems surrounded by remnant grasslands interspersed with prairie potholes. Monitoring the quality and health of these landscapes is crucial for characterizing overall ecosystem health and function. Ground dwelling arthropods provide a valuable tool, as their ease of collection and contribution to ecosystem services make them ideal candidates for monitoring surveys. Additionally, little is known about the distribution of arthropods throughout the prairies. Filling this knowledge gap can provide valuable information to conservation and insect management efforts.

The aim of this study was to understand ground dwelling arthropod abundance and diversity throughout the prairies. Sites sampled include five of each canola, barley, wheat, and seeded grassland fields located within 100km of Saskatoon, SK, Canada. Three pitfall traps were located on two 150m transects, with traps located at 0m, 75m, and 150m at each site. One of the transects started from a prairie pothole edge, while the other originated from the field edge. Trap collection occurred every three weeks during the summers of 2018, 2019, and 2021. Additionally, four native grasslands located within 50km of Saskatoon, SK, Canada, were sampled in 2021. Pitfall traps were placed in patches dominated by either grasses or shrubs, with trap collections occurring every three weeks throughout the summer. Collected specimens were curated and identified to family where possible. A PERMANOVA and Principal Component Analysis (PCA) were used to analyze the data. Preliminary results indicate a difference in seeded grassland community composition when compared to crop fields.

## **Decomposition of manure in aquatic ecosystems.**

Butler-Siemens, Scout B.<sup>1,2</sup>, and Iain D. Phillips<sup>1,2,3</sup>

<sup>1</sup>Department of Biology, University of Saskatchewan, 112 Science Place, Saskatoon, Saskatchewan, Canada. S7N 5E2.

<sup>2</sup>Troutreach Sask., Saskatchewan Wildlife Federation, 9 Lancaster Road, Moose Jaw, Saskatchewan, Canada, S6J 1M8.

<sup>3</sup>Water Security Agency of Saskatchewan, 10-3904 Millar Avenue, Saskatoon, Saskatchewan, Canada, S7P 0B1.

Email: [sbb079@mail.usask.ca](mailto:sbb079@mail.usask.ca)

### **Abstract:**

In extensive grazing programs throughout Canada, it is common practice to allow cattle access to ponds as a water source and to treat cattle with deworming drugs to manage internal parasite loads. Without fencing and off-site watering systems, beef cattle spend a higher proportion of time grazing in and around riparian zones than on adjacent plateau grasslands, often depositing manure in and around water bodies. Hydrophobic anthelmintic drug residues are excreted in cattle manure and have also been shown to exert non-target effects on invertebrate fauna that encounter dung as a part of their lifecycle. The terrestrial decomposition of manure and the associated effects of anthelmintic usage have been explored; however, in aquatic systems, the macroinvertebrates associated with manure decomposition and the off-target effects of anthelmintics are not well understood. The goal of this study is to determine which macroinvertebrates colonize manure in an aquatic system and how it alters rates of decomposition of manure deposited into water. Secondly, assess the implications of anthelmintic use in beef cattle on manure breakdown and colonization by macroinvertebrates in aquatic ecosystems.



## How did Roesel's katydid get to Alberta?

Judge, Kevin<sup>1</sup>, David McFadyen<sup>1</sup>, Kyle Blacher<sup>1</sup>, Hayleigh Dansereau<sup>1</sup>, Alexandre Caouette<sup>2</sup>, Erin Bayne<sup>3</sup>, and Julian Dupuis<sup>4</sup>.

<sup>1</sup> MacEwan University, 10700 104 Ave NW, Edmonton, Alberta, Canada, T5J 4S2

<sup>2</sup> Biological Sciences, University of New Brunswick, 3 Bailey Dr., Fredrickton, New Brunswick, Canada, E3B 5A3

<sup>3</sup> Biological Sciences, University of Alberta, 11335 Saskatchewan Drive NW, Edmonton, Alberta, T6G 2H5

<sup>4</sup> Entomology, University of Kentucky, S-225 Ag. Science North, Lexington, Kentucky, U.S.A., 40546-0091.

Email: [judgek3@macewan.ca](mailto:judgek3@macewan.ca)

### Abstract:

Species' ranges are likely in a constant state of flux as populations respond (or fail to respond) to changes in the environment. Monitoring for, and studying, these range changes is enormously important for a host of applications, from managing invasive species to understanding the effects of global climate change. Roesel's katydid (*Roeseliana roeselii*, Orthoptera, Tettigoniinae) is a native of Europe and western Russia that has become a model for studying the effects of climate and on range changes due to its well-documented northward expansion in Europe and Scandinavia. Naturalized in eastern North America (NA) since its discovery in the early 1950s in Montreal, we discovered Roesel's katydid just outside of Edmonton in 2017 - approximately 2000km west of its naturalized range. Since then, we have been animated by a number of obvious questions including: is the NA range actually disjunct, and if so, how did Roesel's katydid get to Alberta and from where? We have employed, and continue to employ, a variety of methods to answer these questions - from using passive acoustic monitoring to search for additional populations in Alberta, to genotyping individuals from populations across NA and Europe to measure relatedness, to staying up way too late sifting through unidentified Orthoptera observations on iNaturalist. This presentation will survey the preliminary results so far, offer some tentative answers to the above questions, and suggest directions for future research.

## **AY-Winds: Shedding light on phytoplasma and leafhopper provenance through the development and application of molecular diagnostics, typing, and population genetics tools.**

Pusz-Bochenska, Karolina<sup>1,2</sup>, Edel Perez-Lopez<sup>3</sup>, Tim J. Dumonceaux<sup>1,4</sup>, Chrystel Olivier<sup>1</sup>, Jose Andres<sup>5</sup>, Tyler, J. Wist<sup>1</sup>, Jack Gray<sup>2</sup>.

<sup>1</sup> Saskatoon Research and Development Centre, Agriculture and Agri-Food Canada, 107 Science Place, Saskatoon, Saskatchewan, Canada. S7N 0X2.

<sup>2</sup> Department of Biology, University of Saskatchewan, 112 Science Place, Saskatoon, Saskatchewan, Canada. S7N 5E2.

<sup>3</sup> Centre de recherche et d'innovation sur les végétaux (CRIV), Faculté des sciences de l'agriculture et de l'alimentation, Département de phytologie, 2325 rue de l'Université, Université Laval, Québec, Québec, Canada, G1V 0A6.

<sup>4</sup> Department of Veterinary Microbiology, University of Saskatchewan, 52 Campus Drive, Saskatoon, Saskatchewan, Canada. S7N 5B4.

<sup>5</sup> Cornell Atkinson Center for Sustainability, Cornell University, 340 Tower Road, Ithaca, U.S.A., 14853.

Email: [k.pusz@usask.ca](mailto:k.pusz@usask.ca)

### **Abstract:**

Three major knowledge gaps that disrupt the development of efficient AY management in Western Canada were identified. These were: 1) the need for a rapid field test for AY-infected leafhopper incidence, 2) the need for an accurate phytoplasma species and strain identification, and 3) understanding the aster leafhopper population biology. Firstly, to meet the need for infield phytoplasma diagnostics, we developed a rapid field test using paper PlantSaver cards and LAMP assay. This fast molecular tool to detect the presence of AYp in the migrating leafhoppers also provides farmers and agronomists with valuable information pertaining to spray decisions and timing. Accurate diagnostics and taxonomic classification are critical in managing phytoplasmas, but phytoplasma detection and characterization using universal markers have limitations. To address these limitations, we developed and validated a hybridization-based multilocus sequence typing method to detect and characterize phytoplasma. Lastly, there is an urgent need to obtain a sound knowledge of the population biology of ALH to provide reliable input into pest population forecast and management strategies. Therefore, recently, an initial investigation of the population genetic biology of this species was undertaken. These improved molecular tools provide information and tools to fill knowledge gaps that disrupt efficient AY management in Western Canada.

**The effect of anthropogenic change on the predation efficiency of predaceous diving beetle larvae (*Dytiscus circumcinctus*).**

Ulrich, Jacob C.<sup>1</sup>, Douglas P. Chivers<sup>1</sup>, and Maud C. O. Ferrari<sup>2</sup>

<sup>1</sup> Department of Biology, 112 Science Place, University of Saskatchewan, Saskatoon, Saskatchewan, Canada. S7N 5E2.

<sup>2</sup> Department of Veterinary Biomedical Sciences, 52 Campus Drive, University of Saskatchewan, Saskatoon, Canada. S7N 5B4.

Email: [jacobc.ulrich@gmail.com](mailto:jacobc.ulrich@gmail.com)

**Abstract:**

Predation efficiency is subject to experiential learning via repeated exposure to prey items in similar environments. With humans continuously encroaching on select habitats, the environment in which predators find themselves will change drastically and have a degree of novelty to the predating process. The larvae of the predaceous diving beetle are voracious predators that have significant influences on seasonal amphibians and aquatic invertebrate populations. By detecting other prey using chemical, vibrational, and visual cues; anthropogenic changes to the larvae's environment have the capacity to reduce predation efficiency via sense interference or drastically increase predation by interfering with prey. To assess these abiotic effects, I will expose larvae and prey items to control, low, and high ranges of these stimuli for 10-minute survival trials. During these trials, larvae and prey will be assessed for speed and distance, number of encounters, number of strikes at the prey, time of prey death, and variables of predator stance. To date, vibrations show a significant decrease in predator efficiency where wind and turbidity interference suggest larvae are opting for alternative predation tactics, results are still being analyzed.

## Effect of imidacloprid, on predator-recognition learning in damselfly larvae.

Wickramasingha, Prashani D.<sup>1</sup>, Christy A. Morrissey<sup>1</sup>, Iain D. Phillips<sup>1,2</sup>, Adam L. Crane<sup>3</sup>, Maud C. O. Ferrari<sup>3</sup>, and Douglas P. Chivers<sup>1</sup>

<sup>1</sup>Department of Biology, 112 Science Place, University of Saskatchewan, Saskatoon, Saskatchewan, Canada. S7N 5E2.

<sup>2</sup>Water Security Agency of Saskatchewan, 10-3904 Millar Avenue, Saskatoon, Saskatchewan, Canada, S7P 0B1.

<sup>3</sup>Department of Veterinary Biomedical Sciences, 52 Campus Drive, University of Saskatchewan, Saskatoon, Canada. S7N 5B4.

Email: [wpd027@mail.usask.ca](mailto:wpd027@mail.usask.ca)

### Abstract:

Many aquatic organisms are highly responsive to slight changes in the physicochemical nature of the aquatic environment, making them vulnerable to various pollutants, including insecticides. Neonicotinoids are one such widely used class of water-soluble insecticides. Their use has become a major environmental concern because both pests and non-target species are equally affected. We investigated the effects of exposure to various concentrations (0, 0.1, 1.0, or 10.0 µg/l) of a neonicotinoid insecticide (imidacloprid) on the learned recognition of predatory chemical stimuli by damselfly larvae (*Lestes* sp.). First, damselflies were conditioned to recognize risk by exposing them to zebrafish odour combined with conspecific damage-released alarm cues or a control of dechlorinated water. We subsequently assessed learning by quantifying the change in feeding bites performed after an injection of zebrafish odour alone. Larvae in the control group learned to respond to the predator odour based on their prior conditioning with alarm cues but not water. Such learning also occurred for larvae in the 0.1µg/l treatment group (i.e., the lowest concentration group) but failed for individuals exposed to the higher concentrations (1.0µg/l and 10.0µg/l). These results suggest that imidacloprid insecticide contaminations impair the chemosensory cognition of damselfly larvae, which may have important ecological implications.

## Appendix B: Treasurer's Report

### ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN MEMBERSHIP AND YEAR END FINANCIAL REPORT

01 September 2021 – 31 August 2022

#### MEMBERSHIP

- In this fiscal year (2021-2022) the ESS had 3 new student members and 3 new Regular members. Welcome, and welcome back, to Bryan Sarauer, our newest life member!

#### ESS GENERAL ACTIVITIES

- The main sources of income were from membership dues with \$580 collected and interest income of \$905.30.

#### FINANCE

- The ESS total assets are as follows:

Term Deposits (balance plus accrued interest)

#007 12,037.97

#009 15,705.63

#011 13,876.13

#012 11,934.70

Chequing Max 1 2.73

Chequing Max 2 240.31

Chequing Max 3 (opened-2022) 7568.00 (ESC loan for ESC 2023 JAM)

Outstanding deposits (Paypal) 555.34

Outstanding liabilities 0.00

**Total 61920.81 (58,758.63 in 2021)**

- Registered Charity and Non-Profit Corporations status will be renewed (in Jan 2022).
- Registered Charity Tax Return to be filed in December (2022).

Please refer to the enclosed financial statement for further details.

**Financial Statement – Entomological Society of Saskatchewan  
01 September 2020 – 31 August 2022**

**MAXIMIZER ACCOUNT (ESS)**

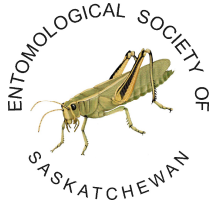
**Receipts:**

Memberships	\$ 580.00
Outstanding deposits	
Interest (CU Maximizer and Term Deposit)	905.30
ESC JAM 2023 Loan	8,000.00
<b>TOTAL</b>	<b>9485.30</b>

**Expenditures:**

Delta Downtown Hotels (JAM 2023) deposit	5,000.00
Brooks Award	0.00
Ent. Act. Award	2000.00 (Abigail Cohen \$750.00, Berenice Romero \$750.00, Aaron Bell \$500)
Student Presentation Award Fall 2021	100.00 (Berenice Romero)
Meeting Expenses (2x online)	0.00
Postage	0.00
Bank Charges (print fees)	12.00
Website fee	0.00
Misc. (PayPal Fees)	24.66
Misc. (ISC) Not-for Profit-renewal fee (Tyler)	15.00
Interest on Community Builder Chequing Sub # 011	0.27
<b>TOTAL</b>	<b>7151.93</b>

## Appendix C: Secretary Report



### **Secretary Report, Entomological Society of Saskatchewan, Fall AGM Meeting December 2, 2022**

#### **Activities**

##### **I. Position Maintenance**

- a. Prepared agendas for the spring and fall meetings of the ESS
- b. Compiled minutes from the spring and fall meetings of the ESS
- c. Produced the Proceedings of the ESS for 2021, available here: [Entomological Society of Saskatchewan - Proceedings \(entsocsask.ca\)](http://entsocsask.ca)
- d. Responded to inquiries directed at the ESS
- e. Maintained mailing list for membership

##### **II. Initiatives for 2023**

- a. Develop a committee within the ESS to construct a code of practice for the use of wild insects in Society scientific activities and outreach
- b. Assemble the ESS documents into a common repository for future executives to access
- c. Expand Proceedings to include some form of bibliography

## Appendix D: Entomological Society of Canada Regional Director Report

### ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN REGIONAL DIRECTOR'S REPORT

**Period under report:**

[08-04-2022 - 30-11-2022]

**Summary of activities during report period, all meetings were attended virtually:****ESC Board of Directors meeting – April 26, 2022**

- All report provided from ESC positions and societies
- Record of email motion to provide an honorarium, free JAM registration and free membership to ESC for the Graduate student showcase, as part of the three society JAM.
- Establishment of The Canadian Entomologist Contingency fund to serve as a “rainy day fund to the Canadian Entomologist. If other priorities emerge the board can allocate funds to higher priorities.
- Closure the chequing account associated with the Endowment Fund investment account
- Awards
- Results of the Survey of ESC membership
- Changes to government documents and Standing Rules
- Ongoing Physical Assets discussion, permission to dispose of headquarters computers and e-media, potential Guelph archive shipment
- TCE cover art commission
- **Response to Tyler’s request for information on the number of meetings the ESC has had:**

*Following the meeting Neil added: ESC was founded in 1863, but in 1872 became ESO so that it would qualify for funding from the Ontario government. The modern ESC was founded in 1950. From 1863 until 2022 is 159 years and ESC celebrated its 150th anniversary at the Guelph meeting in 2013. From 1950 until 2022 is 72 years. In terms of meetings, rather than years, the number is less. Since the reformation of the ESC in 1950, there has been an Annual Scientific Meeting, usually an ESC JAM, every year except 1950 (when the meeting was ESO only) and 2020, so the 2022 meeting will be the 70th ESC Annual Scientific Meeting. Including it’s inaugural meeting in 1863, there have been Annual Scientific Meetings of either ESC or ESO in all but 6 years, so the meeting in 2022 will be the 153rd such meeting.*

**ESC Board of Directors meeting - June 16, 2022 (was unable to attend due to illness)**

- Preliminary Vancouver numbers and preparation action items towards the conference
- Further on the Endowment Funding chequing account and Endowment Fund investment account.
- The Canadian Entomologist (TCE) Contingency investment account has been established and the TCE profits will be deposited there to a maximum of 2X the technical editor’s salary.
- Physical Assets Committee report and discussion still ongoing – we pay for storage of TCE copies as well as other materials
- The ESC Budget estimate for the year predicts a deficit however the ESC investment fund can be called upon if this is the case.
- Committee Guidelines amendments were motioned and passed.
- The Canadian Entomologist published by Cambridge University Press (CUP) lack of emails to subscribers for uptakes to the Electronic Contents list since moving to electronic format
- More information on Strauss to be send to the board
- Rectification of the Scholarship fund accounting sheets – charitable trusts and not-for-profit associations have different financial requirements from CRA



**July 5, 2022 – email motion to appoint Erin Campbell (research Scientist with CFIA, Ottawa) as co-Secretary with Neil Holliday of the ESC for the remained of the term.**

**October 14-18, 2022 – ESC Board of Directors was asked to provide input regarding COVID mask mandate petition at ESC/ESA/ESBC JAM before the organizing committee meeting October 21<sup>st</sup>**

**Regional Directors period report April 15, 2022 to October 30, 2022 submitted**

**ESC Board of Directors meeting - November 13, 2022**

- **All report provided from ESC positions and societies**
- **Current Joint Annual Meeting rotation:**
  - JAM 2023 Saskatoon
  - JAM 2024 Quebec
  - JAM 2025 Alberta
  - JAM 2026 Manitoba
- **ESC financial statements**
- **Code of Conduct for submitting authors and reviewers to be applied**
- **Changes to Committee Guidelines and Standing Rules**
- **Guidance to Financial Committee on ethical investment**
- **Discussion on fees for Emeritus members**
- **Continuation of storage locker discussion**
- **Possibility of having a National Insect week – a few days rather than a week suggested**
- **Announced the intention to have the board go through Strategic Planning on the Saturday of the 2023 Saskatoon JAM**

**ESC Board of Directors meeting - November 15, 2022**

- **Welcome to the Entomological Society of Canada Board of Directors (BOD)**
- **Short introduction meeting. Full 2022-2023 Board of Directors available at <https://esc-sec.ca/the-society/board-of-directors/>. New terms not yet posted to the website:**
  - Past President: Felix Sperling
  - President: Chris MacQuarrie
  - 1<sup>st</sup> VP Colin Favret
  - 2<sup>nd</sup> VP Christine Noronha
  - Regional ESAB Maya Evenden
  - Regional SEQ Morgan Jackson
  - Director-at-large Jessica Gillung

**Preference for the upcoming ESC Board Meeting is December, date TBD**

Respectfully submitted  
Danielle Stephens  
Regional Director  
30 - 11 - 2022

## **Appendix E: Youth and Amateur Encouragement Report**

ESS 2022 Fall Meeting. Dec 2 2022

Youth and Amateur Encouragement report

Tyler Wist, Chair of this Committee

Gardenscape is coming up on the last weekend in March 2023 (24-26) I'm working on contacting Ag in the Classroom to present Good Bugs/Bad Bugs before 2023. Before Covid, this volunteer outreach covered our booth fee, which is a \$675 trade.

Tyler supervised a University Science fair project with some advanced grade 8 students in the Actel program at Greystone school. They won the Saskatoon Science Fair with a project on biological control and intercropping effects on cabbage loopers and then won an award at the National Competition.

The ESC Public Outreach grant is now a yearly grant with no opportunity for retroactively claiming the past two years if you missed claiming them. I have not yet applied for the ESC grant this year but I will so that we can support outreach at Gardenscape. (\$300).

On July 5 2022 I presented two enhanced Good Bugs/Bad Bugs presentation to the Kare for Kids Summer Camps in Regina and White City.

Brian Galka borrowed the ESS Insect collection and gave an insect presentation (see below) to the Battleford's Search and Rescue group. On Thursday, July 21st, Brian Galka, former ESS President, ESS Proceedings editor and newsletter editor, and current Saskatoon Search and Rescue (SSAR) member, gave a Zoom presentation to 12 members of the Battlefords Search and Rescue and Saskatoon Search and Rescue groups. On Saturday July 23 2022, he presented pinned insects and sweep net techniques from the back of a truck to seven members of both Search and Rescue Teams on Finlayson Island.

Has anyone else conducted any outreach that would be appropriate for inclusion in this report?

Respectfully submitted,

Tyler Wist

Chair of the ESS Youth and Amateur Encouragement Committee.





On Thursday, July 21<sup>st</sup>, Brian Galka, former ESS President, ESS Proceedings editor and newsletter editor, and current Saskatoon Search and Rescue (SSAR) member, gave a Zoom presentation to 12 members of the Battlefords Search and Rescue and Saskatoon Search and Rescue groups.

The 40-minute PowerPoint presentation, which was enthusiastically received, covered general aspects of entomology followed by details of specific pests such as mosquitoes, blackflies and ticks and how they may impact a search or recovery operation by SAR personnel.

Key points which were covered included pest recognition, disease transmission, bite recognition and use of repellents and deterrents such as head nets.

Additional presentation topics included insects as food as well as forensic entomology. The latter topic discussed how insect colonization can be used to establish time of death in crime scene investigations and discussed the order of colonization and identification of insects which colonize a corpse.

On Saturday, July 23, seven members of Battleford Search and Rescue and Saskatoon Search and Rescue gathered on Finlayson Island in the North Saskatchewan River at Battleford, to view some pinned insects and do some sweeps. The pinned samples, courtesy of the Entomological

Society of Saskatchewan, covered insects found in households, as well as crops and in forested and grassland habitats. Sweeps revealed mostly ants and mosquitoes as well as some immature and mature leafhoppers and planthoppers.

After the entomology part was done, we practiced locating targets on the island using our GPS units while working in teams of three. It was a good learning experience and refresher for members.

About Search and Rescue...

Both Battlefords Search and Rescue and Saskatoon Search and Rescue are comprised of volunteers who dedicate thousands of hours each year to training as well as searching for missing individuals. We are on call 24/7, 365 days a year and are activated by either city police departments or the RCMP in Saskatchewan. Each member must be current in first aid and is expected to assist in the operation of the chapter in some capacity be it fundraising, logistics, finance or programs such as Project Lifesaver (PLI) or Preventative Search and Rescue (PSAR). Project Lifesaver is a program where, at the request of a caregiver, we attach a transmitter bracelet with a unique frequency to an individual who has dementia or an acquired brain injury or autism, and who is prone to wandering. If the PLI client goes missing, SSAR members who have receivers will be out looking for the individual as soon as the call comes into the Saskatoon Police Service. Members must recertify in search techniques every three years, including use of a Project Lifesaver receiver for those who are in that program. Aside from federal grants through the New Initiatives Fund (NIF), SAR operations in Saskatchewan operate largely through volunteer donations. All members are non-paid and are responsible for the purchase of their own equipment, with the exception of radios, GPS devices, and Project Lifesaver receivers where applicable. All members are issued uniforms which must be worn when representing Search and Rescue. An intake of new recruits in Saskatoon Search and Rescue is expected this fall, with a prospective member meeting on August 18 starting at 1900 hrs. The book work and physical training is intense with a steep learning curve, and a certain standard of physical stamina and endurance will be required for the physical part of the training (i.e. this is not a 'cake walk'.)

For further details see: <https://saskatoonsearchandrescue.org/>

Best regards,

Brian Galka, M.Sc.

## **Appendix F: Archives/Heritage Committee Report**

Report of the Archives/Heritage Committee of the Entomological Society of Saskatchewan

Members: Cedric Gillott, Martin Erlandson, Meghan Vankosky

Reporting Period: December 2021 – December 2022

The committee has nothing to report at this time.

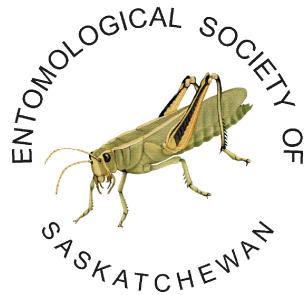
Please note that Meghan Vankosky has collected some materials to archive from recent retirees and these are stored in Meghan's office. Materials include hard copies of the ESS Bulletin. Contact members of the committee for inquiries about the history of the ESS.

As a reminder, *Entomologists of Saskatchewan (2019)* is available online in PDF format on the Entomological Society of Canada website (<https://esc-sec.ca/the-society/history-and-heritage/>) and on the Entomological Society of Saskatchewan website (<http://entsocsask.ca/archives.html>). This is an 'evergreen' document and the editors ask that if you were not included in the 2<sup>nd</sup> Edition, but should be, to please contact Meghan Vankosky ([meghan.vankosky@agr.gc.ca](mailto:meghan.vankosky@agr.gc.ca)). Additions will be made at the discretion of the editors.

Report respectfully submitted by Meghan Vankosky, Martin Erlandson, and Cedric Gillott.



### III. ESS-ESC JAM 2023 LOC Minutes – January 14<sup>th</sup>, 2022



**Minutes of the January 14<sup>th</sup>, 2022 Executive Meeting of  
the ESS-ESC JAM 2023 LOC  
13:30 pm  
Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Tyler Wist, Marianne Horn, Stefanie De Heji, Iain Phillips, Danielle Stephens

**2. Call to Order – 13:43**

**3. Minutes of the previous ESS-ESC JAM 2023 LOC meetings were not finalized and distributed.**

**4. Approval of ESS-ESC JAM 2023 LOC January 14, 2022 Agenda Items**

- a. Finalize mins from Dec 10, 2021 LOC meeting
- b. General Committee update
- c. Logo creation – ideas and process

#### **5. AGENDA ITEMS**

**5.1. Approval of JAM LOC meeting mins.** [Danielle Stephens]

*Background*

Iain has transferred previous meeting to Danielle (LOC Secretary) but need to be reviewed and approved along with mins from the Dec 10, 2021 meeting.

**5.2. General Committees Update.** [Tyler Wist and Iain Phillips]

The sub-account for the JAM has not been reactivated yet. Tyler, Dwayne and possibly Iain may need to go to the bank in person.

Tyler met with Sask Tourism and Saskatoon Tourism. The contract with the hotel was signed (before expiry) and we qualify for the perks previously discussed (ie cultural options). Next meeting with them scheduled for February.

Tyler reports that Jeff has been in contact with ESC fundraiser. Jeff is on the national and regional working committee.

### **5.3. Logo creation. [All]**

Our JAM will need a logo to be created and should be in conjunction with theme creation.

Discussion of various ideas, presentation of Tyler's daughter's logo idea, history of previous ESS JAM logo. LOC likes the idea of local insects as well as the theme of diversity. This should be both broad enough while providing some direction for those who would like to design a logo or contribute a logo idea.

Would like to develop logo soon and involved the ESS membership. Iain will send out email to the membership asking for logo contributions with a deadline of March 31. Then the LOC can pick a logo to present at the ESS Spring meeting.

Logo needs to include: Year (Min) or full date (Max) and "ESS-ESC JAM/ESS-SEC RAC).

## **6. Ongoing items**

### **6.1. Survey for future JAMs**

Answers have been drafted. Due Feb 15

## **7. COMMITTEE REPORTS (as applicable)**

General Chair - Tyler Wist

Treasurer - Dwayne Hegedus

Local Arrangements - Iain Phillips

Fundraising - Jeff Boone

Secretary -Danielle Stephens

Promotions - Stephen Srayko, Marianna Horn

Culture - James Tansey, Stefanie de Heij

Social Media - Stefanie de Heij, Berenice Romero

Audio Visual - Aaron Bell

Scientific - Meghan Vankosky, Sean Prager, Stefanie de Heij

### **7.1. Items to carry forward**



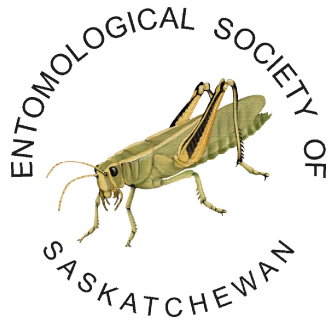
- Scientific Committee local criddle award details, maybe need time and input.
- Clarify the committees of social media, promotions and culture and how they should assist with local arrangements.

**8. Date of next ESS-ESC JAM 2023 LOC meeting**

- a. Confirm February 11, 2023

**Tyler adjourned the meeting at 14:20.**

#### IV. ESS-ESC JAM 2023 LOC Minutes –February 11<sup>th</sup>, 2022



#### **Minutes of the February 11<sup>th</sup>, 2022 Executive Meeting of the ESS-ESC JAM 2023 LOC**

**13:30 pm**

**Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Sean Prager, Stefanie de Heij, Dwayne Hegedus, Graham Parsons, Berenice Romero, Tyler Wist, Stephen Srayko, Jeff Boone, Marianna Horn, Iain Phillips, and Danielle Stephens

**2. Call to Order** – at 13:37 Tyler called the meeting to order.

**3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings**

Iain motioned for approval of the January 14, 2022 meeting mins. None opposed, Graham abstained.

Dec 10, 2022 meeting mins tabled, to be circulated and approved at the next meeting.

**4. Approval of ESS-ESC JAM 2023 LOC Feb 11, 2022 Agenda Items**

- a. General update – account, budget
- b. JAM logo and theme
- c. Committee updates

**Tyler moves to approve agenda, Sean second.**

#### **5. AGENDA ITEMS**

**5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

**5.1.1 JAM sub-account created. Tyler, Dwayne and Iain with signing authority.**

Working on the account, Tyler Dwayne and Iain had to go in separately to get signing authority. The account comes with 25 free cheques. ESC treasurer can not transfer us the seed money, however this may have some delay. ESS has enough money to pay to the hotel deposit now and could be reimbursed when ESC transfer comes. This chain of event was similar to what happened for the 2014 JAM, where the ESS fronted hotel deposits.

*Tyler motions we pay our hotel deposit of \$5000 by transferring ESS funds to the Maximizer 2 account and we will pay ESS back from the \$8,000 of seed money we will receive from ESC. Graham seconds. Tyler will e-transfer today.*

#### **5.1.2 Tyler to schedule a Saskatoon Tourism follow up meeting later in February.**

Saskatoon Tourism had listed some potential perks and funds for culture etc. At this meeting should receive a list of possibilities to report back at next meeting.

**Action item (Tyler and Iain):** book meeting and report back Saskatoon Tourism options at March LOC meeting.

#### **5.1.3 Budget creation. Excel spreadsheet.**

Tyler and Dwayne working on the budget for ESC approval of the seed money. They request a detailed budget so will not have this ready to run by the LOC until potentially April meeting.

See motion above for hotel payment.

Question to the LOC on spending on coffee breaks: previously ESS hosted JAM's had coffee breaks that included coffee and food. Some larger conferences do not provide much of anything at breaks. What are we in favor of doing? [This is part of the detail requested by ESC]

Generally in favor of coffee and snacks provided. This creates a better networking opportunity for the conference, it is difficult to run to a coffee shop and then return. Smaller conferences such as ours more amenities can be coordinated, make the investment to create the desired atmosphere.

### **5.2 Meeting theme: Brainstorming session**

Iain invited theme submission as well as logo to the ESS membership on January 27, 2022. Has some had some submissions and will share once the March 31 deadline has passed.

The suggested theme at the moment is: *From many people strengths, a celebration of Canada's native diversity.*

Dwayne and Tyler: In 2014 the general meeting was at wanuskewin, and the city paid to bus everyone out to have an afternoon excursion. Excursion remembered as great and there was a good turn out to the general meeting (as a result). The general meeting would be on Tuesday (tradition format).

Dwayne: 2014 had the Soaps comedy troupe perform at the banquet (Tues evening).

Jeff: attended function with the a spoken word land acknowledgement recently that was extremely impactful and would highly recommend we ask her for JAM 2023. Janelle Pewapsconias ([ecoaborijanelle@gmail.com](mailto:ecoaborijanelle@gmail.com))

Jeff: do we want the mayor to address the conference? If so Jeff can arrange.

See design and shirt brainstorming below (7.2)

**Action item (All):** send brain storming ideas to Danielle.

### 5.3. Logo creation.

Iain: has had a submission, will wait until the deadline to share with the committee.

Note: Logo needs to include: Year (Min) or full date (Max) and “ESS-ESC JAM/ESS-SEC RAC”).

## 6. Ongoing items

## 7. COMMITTEE REPORTS (as applicable)

General Chair –Tyler Wist	See agenda above.
Treasurer – Dwayne Hegedus	See agenda above.
Local Arrangements – Iain Phillips	See agenda above.
Culture – James Tansey, Stefanie de Heij	See Jeff's suggestion land acknowledgement in brainstorming above.
Fundraising – Jeff Boone  Nothing to report since the last meeting. As a recap the ESC and Jeff met and with Jeff's list of previous donation names they divided between the larger (ESC) and more local (Jeff). Stefanie's farm would sponsor. Graham would donate honey.	<b>Action item (All):</b> Send local donation ideas for Jeff to approach (as you think of them).
Secretary – Danielle Stephens	Finalize Dec 10, 2022 meeting mins <b>Action item (Danielle):</b> Gather all of the many brainstorming ideas into a central (ongoing) record. Will create a sharable document (ideally). <b>Action item (Danielle):</b> Solve document sharing through google and give access

Promotions – Stephen Srayko, Marianna Horn Stephen has heard back from Prairie Sun (\$1,250) and Drift (~\$700) and is waiting on Shelter and Winston's.	
Social Media – Stefanie de Heij, Berenice Romero	<b>Action item (ESS social media):</b> Meeting next week. Report back to LOC for March meeting. <b>Action item (ESS social media):</b> Advertise the ESC student awards.
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij Sean asked that we think about if this will be a traditional format meeting, so that they can start to plan.	See discussion of Criddle award below. <b>Action item (Dwyane):</b> Send Sean and Meghan 2014 room plans etc. Has before 2014 in hard copy as well and can provide.

### 7.1. Old Business

Scientific Committee: brainstorm for local Criddle award recipients.

- Nina Mohr, Candace Savage, ~~David Larson (not eligible)~~

**Action item (Sean):** clarify guidelines for Criddle award of exactly who wouldn't be eligible.

### 7.2 New Business

Dwayne: do we want to make the LOC shirts to be easily found at the conference? Last time there were polo shirts. There were also shirts that were business at the front but had a cricket on the back and sold well (2007).

- Discussion (related to brainstorming 5.2 and add to shared document action item):
- Design ideas don't have to stop with the logo. Would we like to have other items either instead of in conjunction with shirts to sell or just wear? Toques, bandana, scarves.
- Sean: kid with a large pet cricket on the end of a leash. Danielle: Float like a lepidoptera; sting like a Hymenoptera.
- Tote bags are cool now, we could make some to sell.
- Environmentally friendly paper bags, could get ESS stamp for the paper bags.

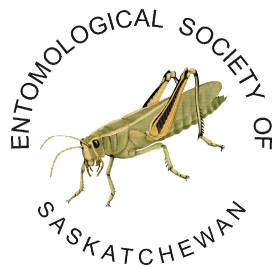
**Action Item (Tyler):** Tyler will ask about website to ESC (as tied to registration), including interaction with our website and our social media planning.

## 8. Date of next ESS-ESC JAM 2023 LOC meeting

Confirmed March 11, 2023 (online)

## 9. Meeting adjournment. 14:44

## V. ESS-ESC JAM 2023 LOC Minutes – March 11<sup>th</sup>, 2022



**Minutes of the March 11<sup>th</sup>, 2022 Executive Meeting of  
the ESS-ESC JAM 2023 LOC  
13:30 pm  
Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Tyler Wist, Sean Prager, Meghan Vankosky, Stefanie de Heij, James Tansey, Marianna Horn, Jeff Boone, Berenice Romero, Graham Parsons, Danielle Stephens, Iain Phillips (later).

**2. Call to Order** – at Tyler called the meeting to order at 13:33.

**3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings**

Tyler motioned for approval of the Feb 11, 2022 meeting mins. Meghan Seconds

Tyler motions to table the Dec 10 meeting minutes. Graham seconds.

**4. Approval of ESS-ESC JAM 2023 LOC March 11, 2022 Agenda Items**

- a. General update – account, budget
- b. Saskatoon Tourism
- c. Logo and theme
- d. Committee updates

**Tyler MOTIONS for approval of the agenda. Danielle seconds the MOTION. All in approval.**

## **5. AGENDA ITEMS**

**5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

**5.1.1 JAM sub-account created. Tyler, Dwayne and Iain with signing authority.**  
Maximizer Chequing 3.

Paid \$5,000 to hotel for conference deposit.

Tyler: Motion: “To have the Affinity Credit Union on 8<sup>th</sup> Street Saskatoon issue an electronic bank card to the ESS Treasurer Tyler Wist to increase our ability to pay bills, make transfers and conduct society business from both of ESS bank accounts, Maximizer

1 and 3 (at the Affinity Credit Union on Eighth Street Saskatoon (#20201185214 and 10301185214). Marianna Horn. SECONDED.

Action item: check that the bankcard can also access the JAM sub-account.

**5.1.2 Saskatoon Tourism follow up meeting this month (Jenny Dao [JDao@tourismsaskatoon.com](mailto:JDao@tourismsaskatoon.com)) is our contact.**

Items to discuss:

- Indigenous Enrichment
- Transportation
- Off sites (Wanuskewin, LB. )
- #Saskatooning experiences

**5.1.3 Budgeting. Excel spreadsheet.**

Sub-committee meeting to be accomplished early next week prior to the ESC Treasurer meeting. (Tyler, Dwayne, Iain etc.).

**5.2 Meeting theme: Brainstorming session**

*From many people strengths, a celebration of Canada's native diversity.*

*Something to do with "eclosion"? ie. Coming out of the Covid pupa for the first full in-person meeting of the ESC.*

**5.3. Logo creation.**

Deadline: March 31 2022.

Note: Logo needs to include: Year (Min) or full date (Max) and "ESS-ESC JAM/ESS-SEC RAC).

So far two submissions, the second being Sydney Worth, Tiger Beetle logo mixed with the theme suggested by Iain Phillips (from Saskatchewan).

Jim Tansey discusses his actions to connect with Indigenous artists etc. Lloyd Dubois and the indigenous rep with the ministry, no response in either case. He tried to discuss a Saskatchewan First Native's collective. No response.

Iain discusses working through the Sask Arts Council.

Suggestion on Sydney's (font style change). Workshop the logo ideas.

To be voted upon at the April 8<sup>th</sup> meeting. April 1<sup>st</sup>. LOC to vote on the Logo.

**6. Ongoing items**

**7. COMMITTEE REPORTS (as applicable)**

General Chair –Tyler Wist	Given above
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Treasurer – Dwayne Hegedus	Discussed in general chair report
Local Arrangements – Iain Phillips	Action. To discuss with Saskatoon Tourism. Action Item, Iain and I to discuss as a budget meeting with the hotel on food prices etc.
Culture – James Tansey, Stefanie de Heij	<p>First Nations University and see above (for the others) Iain presents a <a href="https://www.carfac.ca/tools/fees/">https://www.carfac.ca/tools/fees/</a> <a href="https://www.sakewewak.ca/">https://www.sakewewak.ca/</a></p> <p>James had asked Lloyd Dubois.</p> <p>Discussion on costs of hiring an artist. Trout Reach might finance the purchase until we reimburse them for the artists costs. (1500-200?)</p> <p>Discussion with Sask Artists.</p> <p>Also see discussion 5.3.</p>
Fundraising – Jeff Boone	<p>Local business ideas. Could create a list to approach? We might need to discuss with Tourism Saskatoon.</p> <p>Co-business arrangements. Discuss with the hotel eventually.</p>
Secretary – Danielle Stephens	Has produced up to date minutes from the past few LOC meetings.
Promotions – Stephen Srayko, Marianna Horn	Action: Share from the 2014 promotions chair with Stephen and Mariana.
Social Media – Stefanie de Heij, Berenice Romero	<p>Had a brainstorming meeting recently.</p> <p>Added new member to the committee.</p>
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	Has the old scientific programs from Dwayne.



## **7.1. Old Business**

Old Business:

Action item (All): send brain storming ideas to Danielle.

Action item (All): Send local donation ideas for Jeff to approach (as you think of them).

Saskatchewan wide. Any companies. Names and contacts: send to Jeff.

Action item (Danielle): Gather all of the many brainstorming ideas into a central (ongoing) record. Will create a sharable document (ideally).

Action item (Danielle): Solve document sharing through google and give access.

Action item (ESS social media): Meeting last week. Report back to LOC for March meeting. Completed.

Action item (ESS social media): Advertise the ESC student awards. Maybe technically not a LOC thing, more of an ESS Exec thing. Can remove from mins if need be. Completed.

Action item (Dwayne): Send Sean and Meghan 2014 room plans etc. Has before 2014 in hard copy as well and can provide. Complete.

Action item (Sean): clarify guidelines for Criddle award of exactly who wouldn't be eligible. Completed. (see ESC website)

Action Item (Tyler): Tyler will ask about website to ESC (as tied to registration), including interaction with our website and our social media planning.

Action Item: Registration fees.

## **7.2 New Business**

Website and Promotions to create a website page for information on this meeting (ACTION ITEM) Jeff Boone et al. is looking into the structure of the last meeting website.

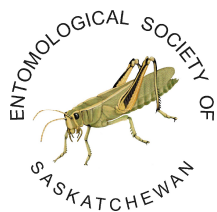
<http://entsocsask.ca/esc/esc-ess.html>

## **8. Date of next ESS-ESC JAM 2023 LOC meeting**

Confirmed April 1, 2022 (online) Sean to change it online.

## **9. Meeting adjournment. 15:08**

## VI. ESS-ESC JAM 2023 LOC Minutes – April 1<sup>st</sup>, 2022



**April 1<sup>st</sup>, 2022 Executive Meeting of  
the ESS-ESC JAM 2023 LOC  
13:30 pm  
Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Tyler Wist, Stefanie de Heij, Jeff Boone, Dwayne Hegedus, Marianne Horn, Dylan Sjolie, Meghan Vankosky, Stephen Srayko, Aaron Bell, Jack Gray, Zhang Sinan, Sean Prager, Danielle Stephens

**2. Call to Order** – at 13:35 Tyler called the meeting to order. Teams merge two different channels at the University of Saskatchewan and many other entomological people sat in on part of this meeting.

**3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings March 11<sup>th</sup> 2022**

Approval of the March 11, 2022 meeting minutes. Tyler moves, Stefanie seconds.

Approve Dec 10, 2021 meeting minutes. (Tabled from last meeting). Tyler moves, Danielle Seconds.

**4. Approval of ESS-ESC JAM 2023 LOC April 1, 2022 Agenda Items**

- a. General update – Scientific committee call for speaker ideas, opening day speakers.
- b. Logo and theme
- c. Committee updates

Tyler MOVES adoption of the agenda Marianna SECONDS

## 5. AGENDA ITEMS

**5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

**5.1.1** Call for Scientific Sub-committee meeting and brainstorming session on Plenary speakers

Iain. Presents outline of the meeting.

**5.1.2 Saskatoon Tourism follow up meeting this month (Jenny Dao [JDao@tourismsaskatoon.com](mailto:JDao@tourismsaskatoon.com)) is our contact and Shannon Davies.**

Items to discuss:

- Indigenous Enrichment (banquet maybe, discussed Wanuskewin...maybe Wednesday afternoon wrap up of meeting there with a speaker.

- Transportation: City busses no longer available. School buses?
- Off sites (Wanuskewin, LB.)
- #Saskatooning experiences (see websites etc from email followup)

Meeting with ESC date (following the budget stuff)

### **5.1.3 Budgeting. Excel spreadsheet.**

Tyler, Dwayne, Iain had a budget Sub-committee meeting, Thursday March 31<sup>st</sup> 2022.

Excel budget table for ESC is coming together.

## **5.2 Meeting theme: Brainstorming session**

*From many people strengths, a celebration of Canada's native diversity.*

*Something to do with "eclosion"? ie. Coming out of the Covid pupa for the first full in-person meeting of the ESC.*

*Anything else?*

## **5.3. Logo creation.**

*Background:*

*Deadline: March 31 2022.*

*Note: Logo needs to include: Year (Min) or full date (Max) and "ESS-ESC JAM/ESS-SEC RAC).*

No further logo or themes submissions since the last meeting.

Voted at the April 1<sup>st</sup> meeting. LOC to vote on the Logo. To be presented at the April 8<sup>th</sup> ESS Spring meeting.

## **6. Ongoing items**

Discussion about MS Teams. General Chair Tyler to take over the MS Teams meeting setting?  
ACTION ITEM (Tyler) Teams.

Marianna and Danielle discussed Google Share. Complicated.

## **7. COMMITTEE REPORTS (as applicable)**

General Chair – Tyler Wist	Given above.
Treasurer – Dwayne Hegedus	Discussed in general chair report
Local Arrangements – Iain Phillips	Action.
Culture – James Tansey, Stefanie de Heij	In discussion Lloyd Dubois, about contacting Indigenous student artists. Creating art around the theme of the meeting. Purchase the

	artwork and auction them off at the meeting and put proceeds towards an indigenous entomologist scholarship.
Fundraising – Jeff Boone	Jeff Boone has started to approach sponsors. We had levels before and do we want to go with these. Dwayne and Jeff to meet and discuss next week.
Promotions – Stephen Srayko, Marianna Horn	Student mixer. Only Prairie Sun got back to him out of four asks. Mezzanine area costwise is \$1250. Private bartender and one drink free.  May look into High Key and they are moving into the Harley Davidson building downtown.
Social Media – Stefanie de Heij, Berenice Romero	N/A
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	Call for speaker ideas, Scientific committee to meet.

### 7.1. Old Business

Old Business: create/reactivate and update the website page for information on this meeting (ACTION ITEM) <http://entsocsask.ca/esc/esc-ess.html>

*Background: previous JAM webpage still exists (Jeff Boone) but is inactive. Marianna to look at what is needed before it opens.*

### 7.2 New Business

ACTION ITEM. Which number of JAMs is it?

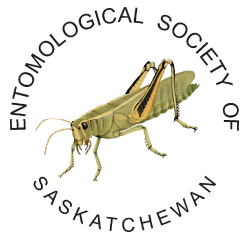
### 8. Date of next ESS-ESC JAM 2023 LOC meeting

Confirmed April 29, 2022 (online)

### 9.0 Meeting adjournment.

Adjourned at 15:06

## VII. ESS-ESC JAM 2023 LOC Minutes – May 13<sup>th</sup>, 2022



### **Minutes of the May 13<sup>th</sup>, 2022 Executive Meeting of the ESS-ESC JAM 2023 LOC**

**13:30 pm**

**Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Stefanie de Heij, Tyler Wist, Stephen Srayko, James Tansey, Graham Parsons

**2. Call to Order** – at 13:40 Tyler called the meeting to order.

**3. Minutes of the previous ESS-ESC JAM 2023 LOC meetings April 1, 2022 not presented.**

**4. Approval of ESS-ESC JAM 2023 LOC May 13, 2022 Agenda Items**

- e. General update – AV quotes
- f. Budget
- g. Committee updates

### **5. AGENDA ITEMS**

**5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

#### **5.1.1**

The logo was presented at the ESS spring meeting. See the continuing wording below in 6.1

#### **5.1.2**

AV quote – the hotel has an AV group. The conference would be a four day, we would need Sunday, but not Saturday. Monday-Tuesday would be concurrent sessions (three). The quote was \$31,000 for 4 days, with the possibility of coming down \$25,000.

Tyler would like to propose to the LOC that we save ourselves this money and run the conference ourselves. Discussion of equipment needed. This would have to be explored with Aaron Bell, given he is in charge of AV.

### **6. Ongoing items**

## 6.1 Logo subcommittee The logo discussion that was had at the ESS meeting:

What Danielle recorded and sent to Jeff: Through strength in the community a celebration of Canada's diversity

Through communities, a celebration of Canada's diversity through communities

A celebration of Canada's diversity through communities

Trying to capture that any tiny unit area holds a vast amount of invertebrates, the vastness of Canada and all of our diversity.

## 6.2 Website link needs to be ready for Oct 2022

## 7. COMMITTEE REPORTS (as applicable)

General Chair –Tyler Wist	Given above
Treasurer – Dwayne Hegedus	Have received the \$8000 start up from ESC  Covered the Saskatoon Tourism meeting previously, no follow up yet.
Local Arrangements – Iain Phillips	N/A
Culture – James Tansey, Stefanie de Heij	Can there be any follow up with Saskatoon Tourism on the approaching of artists.
Fundraising – Jeff Boone	N/A
Promotions – Stephen Srayko, Marianna Horn	As reported in the last meeting for student mixer only Prairie Sun got back to him out of four asks.  The Remi can hold 50 people for each area so 100 people. Would we hold both activities there?  Unlikely to also hold the President mixer there, have access to a hotel room generally.

Social Media – Stefanie de Heij, Berenice Romero	N/A
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	<p>Iain sent out a call for plenary speakers to the ESS on April 20.</p> <p>The committee has had two meetings since the LOC last met. Stefanie shared the Scientific Committee report outlining the two program options the committee is currently working with.</p> <p>An idea of a lunch and learn with student award application writing (after seeing the idea of the lunch and learn for scientific writing).</p>

### **7.1. Old Business**

None.

### **7.2 New Business**

ESC has suggested raising registration fees

Danielle's question to ESC what will be the format of the ESC board meeting, given it is moving to Sunday? Will board members be missing the JAM opening?

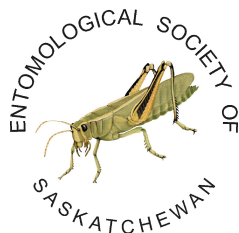
### **8. Date of next ESS-ESC JAM 2023 LOC meeting**

Confirmed June 10, 2022

### **9.0 Meeting adjournment.**

**Adjourned at 14:44**

## VIII. ESS-ESC JAM 2023 LOC Minutes –July 8<sup>th</sup>, 2022



### Agenda for the July 8<sup>th</sup>, 2022 Executive Meeting of the ESS-ESC JAM 2023 LOC

13:30 pm

Online through Microsoft Teams.

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Stefanie de Heji, Iain Phillips, Stephen, Strayko, Meghan Vankosky, Jeff Boone, Danielle Stephens, Dwayne Hegedus, Berenice Romero, Aaron Bell, James Tansey, Graham Parsons, Tyler Wist

**2. Call to Order** – at 13:38 PM Tyler called the meeting to order.

**3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings May 13<sup>th</sup> 2022**

Tyler TABLES the April 1, 2022 meeting minutes.

**4. Approval of ESS-ESC JAM 2023 LOC May 13<sup>th</sup>, 2022 Agenda Items**

Tyler MOTIONS to accept the mins, Iain SECONDS. CARRIED.

## 5. AGENDA ITEMS

**5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

Action: Show Logo (#4,5) from Sydney Worthy. Check “Theme”

Adding the theme to the logo.

Continuity of colour from the green.

Centering the ESS-ESC JAM.

**5.1.2 Saskatoon Tourism follow up meeting (Jenny Dao**

**[JDao@tourismsaskatoon.com](mailto:JDao@tourismsaskatoon.com)) is our contact and Shannon Davies.**

Thoughts: Could we use the \$5000 towards an event that encompasses the initial mixer, student mixer and President’s reception?

**Action item:** Iain and Tyler will look into using this money as part of an event.

**5.1.3 Budgeting. Excel spreadsheet. Dwayne Hegedus**



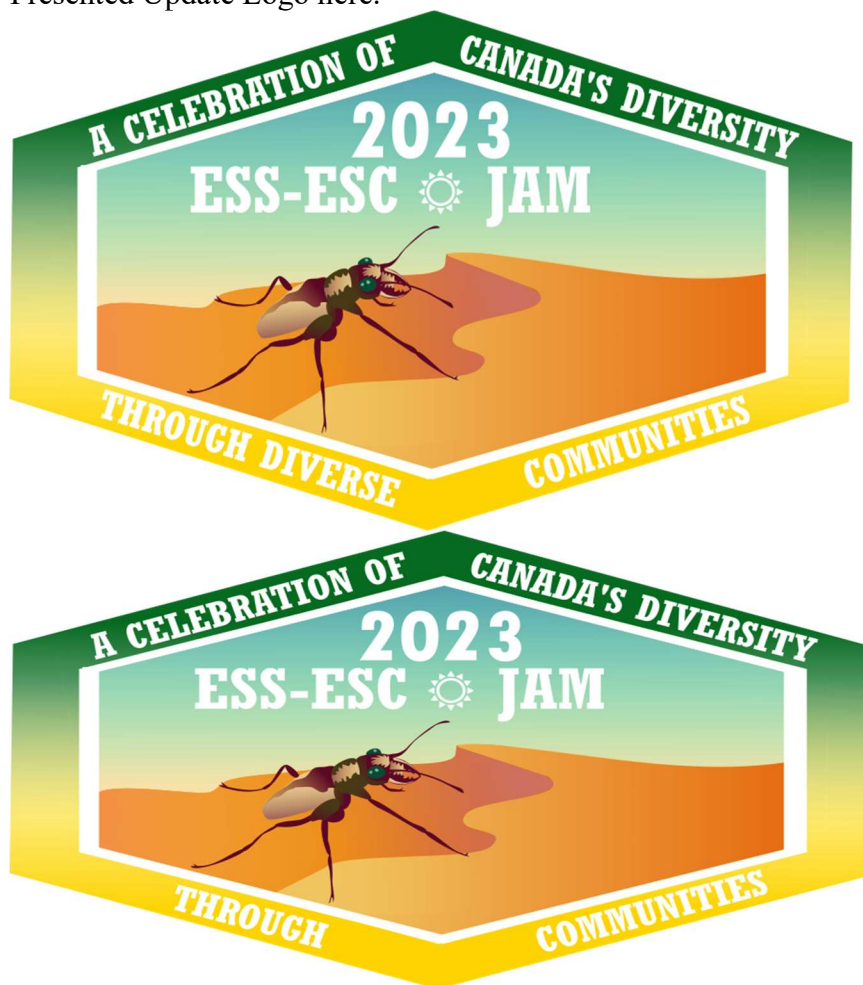
Dwayne is looking for a firming up of the AV numbers, hoping to tackle by the end of July. Need to figure out rates, especially before the next meeting. (See, AV discussion below)

**5.2 Meeting theme: To be added to the logo.**

**A celebration of Canada's diversity through communities.**

**5.3. Logo subcommittee**

Presented Update Logo here.



**6. Ongoing items**

**7. COMMITTEE REPORTS (as applicable)**

General Chair –Tyler Wist	Above in 5.1
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Treasurer – Dwayne Hegedus	Dwayne will have numbers by the end of July 5.1.3
Local Arrangements – Iain Phillips	Nothing for the last two months, living on the river 7.2.2
Culture – James Tansey, Stefanie de Heij	Two paintings: Tim Tait. See discussion and motion below 7.2.1.
Fundraising – Jeff Boone	Perhaps ESC shouldn't take over fundraising because the management company isn't known to the organizations being approached for donations. Whereas most of ESS knows the contacts we would be asking donations from personally or professionally. ESC has had decreased fundraising dollars since this change was made.
Promotions – Stephen Srayko, Marianna Horn	<p>Remai \$1500 before food and drinks. As of Oct we will be able to get further numbers as they do a new food contract.</p> <p>Prairie sun, \$25/person with one drink person. \$1200 cost for upper room.</p> <p>7.2.3</p>
Social Media – Stefanie de Heij, Berenice Romero	Nothing as of yet. Reminder to send general material for posting.
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	<p>Schedule will have to have a late start due to ESC board meeting. No speakers confirmed.</p> <p>Will send out session/symposia information after the fall meeting (Dec).</p>
Aaron Bell - AV	<p>Has been in contract with hotel AV. \$26,000 (update from May meeting). Asked for more basic package \$14,432. Winnipeg paid around \$8000 at their last meeting.</p> <p>He hasn't confirmed if the rooms could just get some equipment. Included a \$1900 auto set up.</p> <p>Can go back and ask to trim down. See discussion 7.2.8: Decided to proceed with ESS doing the AV for the JAM.</p>

## **7.1. Old Business**

Website follow up. Check with Marianna about what is needed to have the website up for the fall. <http://entsocsask.ca/esc/esc-ess.html>

## **7.2 New Business**

**7.2.1** Art contract with First Nations artist for entomology pieces that can be auctioned off (details under discussion) as part of the ESS-JAM. Jim has talked to Tim Tait who is willing to provide two pieces of art for this purpose. Jim has also provided a draft contract for review (Appendix A of the mins).

Jim MOTIONS that we go forward with the contract, primarily:

1. Tim Tait shall provide two, complete 30-inch by 30-inch painted representations of insects to ESS for a fee of \$800 (each) by April 01, 2023.
2. A deposit of \$400 per piece will be provided to Tim Tait by ESS by August 01, 2022.
3. Sketched representations of these works will be provided to ESS by Tim Tait by December 01, 2022.

Jeff Boone seconded the MOTION.

Signatories to the contract would be Jim, Tyler and Dwayne

**7.2.2** Action item: Iain will seek potential donations given that the intention of the art fundraising above is to go to a scholarship towards First Nations/ Metis students in entomology.

**7.2.3** Presidents room - traditionally the penthouse where costs can be saved with bringing in food and booze.

**7.2.4** Banquet at the hotel, as per our contract.

**7.2.5** Land acknowledgement - schedule into plenary session. Carley King was suggested earlier from Jeff.

Action item: Jeff Boone can ask for a quote from her.

**7.2.6** Follow up with Marianne about the website (see 7.1).

**7.2.7** Exhibitors hall – Should we invite businesses to set up? Iain will go check out the space and ask the hotel about charges and space. Example: Emeth zoo. Or could have local businesses. Potentially invite SaskTourism or get some of their promotional material.

**7.2.8.** AV costs –

Jeff could reach out to another vendor if that is allowed to get a comparable quote?

The hotel might have the additional costs to patch an outside party in.

**Given the quotes from the hotel the group would like to proceed with the ESS doing AV for the meeting.**

Need to follow up for auto system. Can we get that with the rooms?

Action item: The Scientific Committee will invite Aaron to their next meeting so that rooms can be coordinated.

Action item: Tyler will follow up if the \$500 from the youth and amateur committee fund could be used to purchase equipment that could be used for presentations for youth and amateur events, but also the JAM for presentations.

## **8. Date of next ESS-ESC JAM 2023 LOC meeting**

Set Aug 12, 2022.

## **9.0 Meeting adjournment.**

**Adjourned at 15:28 PM**

**Appendix A** - Draft contract discussed at the meeting used for the meeting motion.

### **Management Services Agreement**

This Agreement made the \_\_\_\_ day of \_\_\_\_\_ 2022

BETWEEN

The Entomological Society of Saskatchewan  
A body corporate in the Province of Saskatchewan  
(Hereinafter referred to as "ESS")

OF THE FIRST PART

And

Tim Tait

An individual in the Province of British Columbia

OF THE SECOND PART

WHEREAS Tim Tait is in the business of producing artistic works for his clients;

AND WHEREAS ESS is in the business of organizing and conducting the 2023 Joint Annual Meeting of the Entomological Society of Canada in Saskatoon, Saskatchewan;

AND WHEREAS Tim Tait is desirous of providing two pieces of art (paintings) to ESS;

NOW, THEREFORE IN CONSIDERATION of receiving and providing such services as detailed in Appendix "A", ESS and Tim Tait agree:

1. Tim Tait shall provide two, complete 30-inch by 30-inch painted representations of insects to ESS for a fee of \$800 (each) by April 01, 2023.
2. A deposit of \$400 per piece will be provided to Tim Tait by ESS by August 01, 2022.
3. Sketched representations of these works will be provided to ESS by Tim Tait by December 01, 2022.
4. Tim Tait shall provide at its own expense all travel, communication, salary, and administration expenses necessary for the completion of its duties.
5. This arrangement may be terminated with 30 days written notice by either party.
6. The services as detailed in Appendix "A" are not exclusive to Tim Tait and ESS is free to enter into similar arrangements with other individuals, corporations, partnerships or organizations as they see fit.
7. This agreement shall be in effect until either party serves notice to renegotiate or terminate under clause 5 or 6 of this agreement.

The parties hereunto agree to all of the terms and conditions of this agreement including Appendix "A".

The parties acknowledge this agreement by executing the agreement by affixing their respective signatures attested by the proper signing authorities.

ESS Treasurer, Tyler Wist

as representative of ESS

Tim Tait

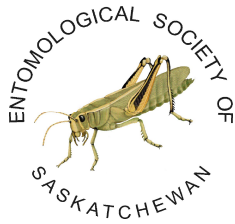
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Signature

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Signature

## **IX. ESS-ESC JAM 2023 LOC Minutes –August 12<sup>th</sup>, 2022**



### **Minutes for the August 12<sup>th</sup>, 2022 Executive Meeting of the ESS-ESC JAM 2023 LOC**

**13:30 pm**

**Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

- 1. Present (roll call):** Danielle Stephens, Dwayne Hegedus, Tyler Wist,
- 2. Call to Order** – at 13:40 PM Tyler called the meeting to order.
- 3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings July 8<sup>th</sup> 2022**  
Can approve at Sept 9<sup>th</sup> meeting given the few members attending this meeting.
- 4. Approval of ESS-ESC JAM 2023 LOC Aug 12<sup>th</sup>, 2022 Agenda Items**
  - a. General updates
  - b. Budget update

Tyler MOTIONS to accept the agenda, SECONDS. CARRIED.

## **5. AGENDA ITEMS**

### **5.1. General Committees Update.**

A general discussion of possible issues given the changes in programming with ESC board meetings 7.2.1

### **5.2. Budget Update**

Presented draft budget and many considerations based on the previous experiences hosting the JAM. 7.2.2

## **6. Ongoing items**

**6.1 POST MEETING** Contract signed with Tim Tait. Money needs to be transferred.

**6.2** Land acknowledgement - schedule into plenary session. Action item: Jeff Boone can ask for a quote from her. FOLLOW UP. No response from Carley King.

**6.3** Website -Marianna confirmed she can active the previous page. Need to confirm with ESC when the links will be up on their side and what we are responsible for.

6.4 Exhibitors Hall – Iain to follow up with the hotel for what our contract allows.

## **7. COMMITTEE REPORTS (as applicable)**

**No reports besides the budget presentation given the small attendance to the meeting.**

### **7.1. Old Business**

**7.1.1** Action item: Iain will seek potential donations given that the intention of the art fundraising above is to go to a scholarship towards First Nations/ Metis students in entomology.

**7.1.2** Presidents reception – traditionally we rent a suite to keep costs down.

**7.1.3** Banquet will be held at the hotel as per our contract.

**7.1.4** AV – Aaron to attend scientific committee meeting(s).

### **7.2 New Business**

#### **7.2.1** General discussion - Scientific Program and ESC board meeting timing

Discussion on the program and the issues caused by the change in timing of the board meeting. This will be an ongoing discussion. To recap, the board meeting has been moved to a Sunday meeting only (not Saturday as well which was the previous format. The implication is that the board meeting will overlap with the first day of programing. This poses a major conflict, not only because the board members will want to listen to the speakers, but also because the society wants to see the maximum number of attendees in the room for these speakers.

In reviewing a draft of the program, the idea to spread out the invited speakers throughout the whole conference is a great one.

**Action item for ESC:** how do they envision the first day of the conference given that board members will want to attend the plenary and other sessions?

#### **7.2.2** Budget

Discussion of the draft budget and some of both little and large hurdles encountered the last times ESS hosted the JAM, including many issues with the hotel adding to costs after the fact.

Examples: Compare the contract from last time to see what we had to over pay for because it wasn't included. Using the open space for booths was an extra charge. Getting an extra table and small room for something was an extra charge etc.

Costs to manage ESC affairs (a new process last time) was required to help with registration. Need to be clear with ESC what is included and what we are paying for.

**Action item:** Continue to share the budget spreadsheet as items progress. This was a very helpful exercise that will likely have to be repeated. Dwayne will confirm with ESC about registration costs to us.

**8. Date of next ESS-ESC JAM 2023 LOC meeting**

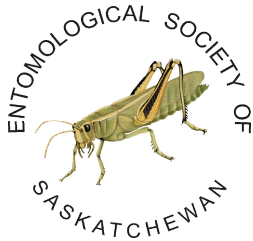
Set September 9th, 2022.

**9.0 Meeting adjournment.**

**Adjourned at 14:41 PM**



## **X. ESS-ESC JAM 2023 LOC Minutes –October 14<sup>th</sup>, 2022**



### **Minutes for the October 14<sup>th</sup>, 2022 Executive Meeting of the ESS-ESC JAM 2023 LOC**

**14:30 pm**

**Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Meghan Vankosky, Marianna Horn, Stephen Srayko, Jim Tansey, Dwayne Hegedus, Iain Phillips, Jeff Boone, Stefanie de Heji, Berenice Romero, Sean Prager, Danielle Stephens, Tyler Wist

**2. Call to Order** –14:32

**3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings July 8<sup>th</sup> 2022 and August 12<sup>th</sup>, 2022.**

Tyler motions to accept the mins, Meghan seconds. Approved

**4. Approval of ESS-ESC JAM 2023 LOC October 14<sup>th</sup>, 2022 Agenda Items**

- a. General Chair updates
- b. Due dates before JAM 2022 – what needs to be ready for the announcement of JAM 2023

Tyler motions to accept the agenda, Dwayne seconds. Approved.

## **5. AGENDA ITEMS**

### **5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

Discover Saskatoon – updated name from Tourism Saskatoon. They have confirmed we can use the signing bonus of \$5,000 towards a room for the president reception if we so chose (as updated in the budget 6.3 there is no president reception so no suite is needed).

Iain has the hotel layout for the Scientific Committee to work with.

Fundraising note: Iain was told that the province wants to only give from one source and not have requests to multiple Ministries. Agreed the Ministry of Agriculture will ask first as they sponsored the last ESS JAM. Jim will follow up.

Other options could be the WSA (Iain) or Forestry (Rory).

#### 5.1.1 – Due dates before JAM 2022 – what needs to be ready for the announcement of JAM 2023:

Marianna and Stephen have created the add for our JAM for our site and ESC. It looks great! Nothing else due before. A call for symposia will follow shortly.

Berenice confirmed she can have announcements for social media but would need them prescheduled before the Entomological Society of Canada conference.

##### 5.1.1.1 Scientific Program and ESC board meeting timing

Chris MacQuarrie has confirmed that the board meeting during the 2023 conference will be done by noon on Sunday.

##### 5.1.1.2 Confirmation of website responsibilities and timing between ESC and ESS

From the ESC side, who will make those link we need to post to our webpage and can they be put in touch with Marianne.

Marianne will send out a list of information she needs from us for the website.

## 6. Ongoing items

### 6.1 Land acknowledgement - schedule into plenary session.

Jeff's initial contact for a spoken word piece to introduce the land acknowledge is not available but has given us some names to approach. Clarification on terminology: a First Nations person wouldn't be giving the land acknowledge. A Land acknowledgement would be beforehand (first) and delivered by one of the society members. There are many resources we can use to create one delivered, however should customize the acknowledgement.

One contact can offer a hand drumming performance. Another spoken word artist was also contacted. Do we want to proceed with having this as part of the conference? The majority are interested in having this. We can offer a small monetary and would likely need a tobacco offering.

Important portion is to confirm there is budget for options.

### 6.2 Exhibitors Hall – Iain to follow up with the hotel for what our contract allows. The contract wording is tricky. Numbers of tables and price should be in writing.

Example “provide tables, provided it does not deplete the supply”. Clarify the supply and when it would be depleted. Last time we were charged for extra display tables

### 6.3 Quick Budget update:

Currently estimate \$8000 surplus but to be clear – we don't know until attendance is finalized how this will go. The assumption is that the number is the same as last time.

Our contract with the hotel says a separate quote will be needed for AV – we will need to get this in writing.

Catering costs have not increased too much, we need to ask for a vegetarian option.

No president's reception this time, so no suite needed.

Previous budget we were charged for use of the open areas, and extra room use  
We need to double check the dollar value of the open area.

If we meet our room nights in the contract we save \$8000. If we don't make the room nights on any particular night we will be charged.

Speaker costs – we have increased the budget for speaker costs to ensure we can bring in speakers and cover their costs, as been discussed with the Scientific Committee.

## 7. COMMITTEE REPORTS (as applicable)

General Chair –Tyler Wist	See General update 5.1 Discover Saskatoon – updated name, Signing bonus (amount of money is \$6000-5000, need to confirm amount)
Treasurer – Dwayne Hegedus	Indicated the three areas of attention at the moment are: fundraising, AV costs and attendance. See on going items above.
Local Arrangements – Iain Phillips	Has been in contact with hotel on tables
Culture – James Tansey, Stefanie de Heij	As captured from the initial land acknowledgement discussion piece: Could have a video of Tim Tait explaining the paintings he is creating.
Fundraising – Jeff Boone	Fundraising has dropped off. Difficulty with ESC, going through them for fundraising options, there is a lack of relationship with that is hurting asking for funds. Had a post meeting discussion of potential sponsors.
Promotions – Stephen Srayko, Marianna Horn	Poster was discussed and looks great! No other updates at this time.
Social Media – Stefanie de Heij, Berenice Romero	Stefanie has given her notice for participation in this committee, has social media business responsibilities cannot manage both. Berenice can take over would like support as to the schedule.

Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	One speaker confirmed.
Aaron Bell - AV	Sent a list of items for the AV he has been able to borrow from Troureach/SaskWildlife. Potentially we can tap into the hotel ADV system for \$120. See Appendix A.

## **7.1. Old Business**

**7.1.1** Contract signed with Tim Tait. Cheque printed and needs to be mailed. Someone give Tyler stamps.

## **7.2 New Business**

None.

## **8. Date of next ESS-ESC JAM 2023 LOC meeting**

ACTION item: Date needs to be changed from Nov 11, possible to a post JAM 2022 date.

Meeting at Nov 18 2:30 pm.

Future meetings schedule for to 2:30 pm Fridays going forward.

## **9. Meeting adjournment. 16:06**

### **Appendix A: Aaron's list of equipment as of Oct 14, 2022:**

2 Projectors (Very good quality)  
 2 Screens for front OR Rear projection  
 2 Projectors, okay, work well, for secondary rooms  
 2 Wireless Floor Mics and Stands (normally I'd use these on the floor for questions, they work together though and can't be used in separate rooms)  
 1 Wired Podium Mic  
 2 50ft HDMI  
 2 100 ft HDMI  
 4 25ft HDMI  
 XLR Cables for mics

From James' personal equipment:

I can also provide a 6 channel mixer

4 Wireless Lav/Lapel Mics (2 Sets of 2)

1 Additional Wireless (or wired) Floor or Podium Mic

2 Sets of Hops (let you connect audio from one room to another, or in the even that two halves of the room are disjointed)

Cables

2+ laptops for running presentations

## **XI. ESS-ESC JAM 2023 LOC Minutes –November 18<sup>th</sup>, 2022**



**Minutes for the November 18<sup>th</sup>, 2022 Executive Meeting of  
the ESS-ESC JAM 2023 LOC  
14:30 pm  
Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Tyler Wist, Jeff Boone, Stefanie de Heij, Aaron Bell, Jim Tansey, Meghan Vankosky, Marianna Horn, Sean Prager, Iain, Stephen, Dwayne Hegedus

**2. Call to Order –14:31**

**3. Approve Minutes of the previous ESS-ESC JAM 2023 LOC meetings October 14, 2022**

Tyler motion to approve the mins, Jim seconds. Approved.

**4. Approval of ESS-ESC JAM 2023 LOC November 18, 2022 Agenda Items**

- a. General update
- b. Heritage lecture

### **5. AGENDA ITEMS**

#### **5.1. General Committees Update.**

Tyler gave an overview of how Vancouver went. Congratulations to Stephen, Aaron and Berenice their great ESS student representation!

Our ESS-ESC JAM 2023 was announced at Vancouver!

Scientific Committee will meet next week.

**MOTION:** Meghan/Danielle: As the regional entomological society hosting the JAM is responsible for selecting the Heritage Lecturer, and based on discussion by the Local Organizing Committee and the Scientific Program Committee, we move to invite Dr. Julie Soroka to give the Heritage Lecture, on a entomological subject of her choosing, at the ESC-ESS JAM in 2023. If Dr. Soroka declines our invitation, the Scientific Program Committee will reconvene with the LOC to identify a second choice.

**CARRIED.**

## 6. Ongoing items

6.1 Will ESS-ESC JAM have a President's reception? We have been told no, however there was one in Vancouver. Need to clarify with Chris MacQuarrie. Recap: if needed we can use the Discover Saskatoon funding towards this.

6.2 Social Committee – will need a steady stream of advertisement on the ESS- ESC JAM going forward.

## 7. COMMITTEE REPORTS (as applicable)

General Chair –Tyler Wist	General updates on the Joint meeting in Vancouver.
Treasurer – Dwayne Hegedus	Will get updates from the Scientific committee after they meet to up numbers  Would like to connect with the company running the registration (Geoff Powel at Strauss)
Local Arrangements – Iain Phillips	Iain will take on the issues last time from Dwayne.  Will wait for the Scientific Committee before working with the hotel.  See tours discussion below for more ideas.
Culture – James Tansey, Stefanie de Heij	Dwyane mentioned that the Remi will be free admission so should be highlighted as part of the package for Saskatoon.
Fundraising – Jeff Boone	SaskCanola has donated \$1000  Ministry of Agriculture is in process.  Early's and Peacock industry have been asked, awaiting response.  <b>ACTION Item: Tyler to send Jeff the ESS non-profit number</b>

Promotions – Stephen Srayko, Marianna Horn	<p>Marianna – Chris MacQuarrie did an announcement.</p> <p>Have yet to meet with ESC website contact but will be soon.</p>
Social Media – Berenice Romero	N/A
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	<p>Meeting next week. Will update Iain on the lay out afterwards.</p> <p>Topics of Plenary - still not decided on, asking for suggestions. Group suggested John Acorn and Tony Shelton.</p> <p>Question on the Heritage address (Past speakers Owen, Cedric, Paul Riegert) Julie Soroka suggested for the heritage address, see Motion under 5.1</p> <p>Ideas: a) try and involve Cedric in terms of honouring him and his work, his students. b) Mike Bidochka did previous work in Saskatchewan.</p>
Aaron Bell - AV	<p>Used some of the gear during a conference last week. Will keep updating the list.</p> <p>Aaron will attend the Scientific Committee meeting next week. Will also need to look at the rooms to confirm details.</p> <p>Tyler and Aaron to test google drive and set file size limitations accordingly.</p>

## **7.1. Old Business**

**7.1.1** Tim Tait contract – cheque for \$800 has been sent.

## **7.2 New Business**

7.1 Sean had a request from Chris MacQuarrie – can we organize tours the quarantine facilities (U of S and AAFC). Tour of the building in general and research facilities might be more doable, the quarantine facilities maybe difficulties.

7.2 Sean see an opportunity for a Collection curation blitz – there will be a collection space finalized in Biology for the entomological as well as other collections. Can we organize a taxonomy activity around this during the JAM to sort, identify and improve the collection?

7.3 Danielle brings up that the ESC board announced they intend to have strategic planning on the Saturday before the ESS-ESC JAM begins. Not sure if we will be approached in the planning of this.

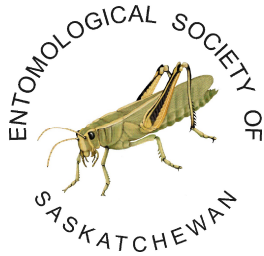
7.4 A brainstorm of extra/add on tours ideas ie trips out to moose jaw, Watrous, can discuss with Discovery Saskatoon. Hiking tours - sand dunes Plant Science land (Biddulph natural area, sand dunes near Dakota dunes), cranberry flats, wanaskewin. On campus – Observatory tours.

**8. Date of next ESS-ESC JAM 2023 LOC meeting December 9 at 14:30 pm**

**9. Meeting adjournment. Adjourned at 15:45**



## **XII. ESS-ESC JAM 2023 LOC Minutes –December 16<sup>th</sup>, 2022**



**Minutes for the December 16<sup>th</sup>, 2022 Executive Meeting of  
the ESS-ESC JAM 2023 LOC  
14:30 pm  
Online through Microsoft Teams.**

**Chair:** Tyler Wist, General Chair

**1. Present (roll call):** Tyler Wist, Georgiana Antochi-Crihan, Marianna Horn, Iain Phillips, Berenice Romero, Stephen Srayko, Stefanie de Heij, James Tansey, Meghan Vankosky, Sean Prager, Danielle Stephens

**2. Call to Order – 14:38**

**3. Minutes of the previous ESS-ESC JAM 2023 LOC meetings November 18, 2022 sent out but not approved at this meeting (see January 2023 mins)**

**4. Approval of ESS-ESC JAM 2023 LOC December 16, 2022 Agenda Items**

- a. General update
- b. Update from Scientific Committee and Budget Committee following meeting with Strauss

### **5. AGENDA ITEMS**

**5.1. General Committees Update.** [Tyler Wist and Iain Phillips]

Will the ESS-ESC JAM have a President's reception?  
Chris confirms no, the Saskatoon JAM will not have a president's reception.  
Do we want to have another social function in its place?

**5.2 Update from Scientific Committee and Budget following meeting with Strauss**

Meeting with Geoff/Jen from Strauss – program in place for registration/payment. Will start getting the resource ready in the new year. (Meghan and Dwyane)

### **6. Ongoing items**

6.1 Social Committee – social media will need to have a fairly heavy stream of content, does the social committee need any resources from the group?

Marianna and Stephen didn't have anything specific except to keep feeding information to the website.

## 7. COMMITTEE REPORTS (as applicable)

General Chair –Tyler Wist	Tyler confirmed no president's reception for JAM 2023
Treasurer – Dwayne Hegedus	N/A
Local Arrangements – Iain Phillips	<p>Meeting next week with the hotel Iain and Aaron going.</p> <p>Poster boards – in the past roughly 40 posters, can either put a cap or have multiple poster sessions (JAM planning document page 38 (12.2). Iain will source poster boards, will check with the University first.</p> <p>Action item: Iain to organize a separate meeting with other subcommittees for the social arrangements, will check the two schedules Meghan previously sent out (see New Business)</p>
Culture – James Tansey, Stefanie de Heij	Stefanie indicated she is working on Things to do in Saskatoon – write up
Fundraising – Jeff Boone	<p>Relayed through Tyler:</p> <p>\$2000 from city of Saskatoon</p> <p>James confirms Ministry of Ag request is moving through the system.</p>
Promotions – Stephen Srayko, Marianna Horn	Website update, will re email the promotional poster.
Social Media –Berenice Romero	<p>Working on write ups.</p> <p>Danielle reported that Ashly has been contacted to join these meetings as she volunteered for social committee at the Fall ESS meeting. Post meeting correction: Danielle contacted the wrong Ash about the social</p>

	meeting committee however has now followed up with the correct person and is awaiting a response from Ashely Mills at WSA.
Scientific – Meghan Vankosky, Sean Prager, Stefanie de Heij	<p>The call for proposals is out, translated in French.</p> <p>One group that had an idea for symposium for John Borden.</p> <p>City of Saskatoon would like to host a symposium for their field techs can attend for free, will work with Sydney.</p> <p>Three people have confirmed plenary speakers and day confirmed: Doug Emlin (Sunday) Kyle Bobbywash and BC psyllid taxonomist (will get name).</p>
Aaron Bell - AV	<p>Re Aaron's email:</p> <ul style="list-style-type: none"> <li>-Scientific programming committee provided an update on the tentative schedule and layout of the meeting.</li> <li>-James can book an addition projector if we need</li> <li>-Meeting with hotel (also captured under Local Arrangements)</li> </ul>

## 7.1. Old Business

**None.**

## 7.2 New Business

7.2.1 Separate meeting for tours and ideas going forward, Iain will organize with the subcommittees

ACTION ITEM: Iain to organize a meeting with multiple subcommittees.

7.2.2 Can there be options for childcare at the conference? Meghan referenced the JAM planning guide outline that addresses this (Page 29 11.6). Iain and Stefanie to follow up, insurance side needs to be considered.

7.2.3 Georgiana – could an insect artist be incorporated, potentially with the Remi?

7.2.4 Danielle – the ESC board will have a day of strategic planning on the Saturday beforehand. No details have been confirmed but Strauss asked about local strategic planning consultants/companies.

**8. Date of next ESS-ESC JAM 2023 LOC meeting January 13 at 2:30 pm**

**9.0 Meeting adjournment. Adjourned at 15:23**