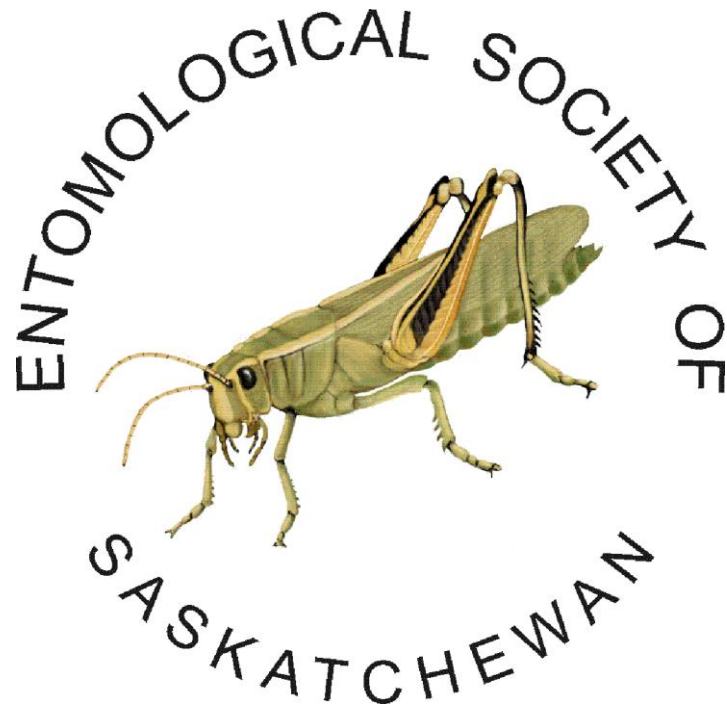


Proceedings of the



Volume 62
2014

**Contents of these Proceedings may not be reproduced in any form
without the expressed written consent of the Executive of the
Entomological Society of Saskatchewan.**

Proceedings of the Entomological Society of Saskatchewan

Volume 62

Editor: Iain Phillips

Contents

Editor's comments	1
Executive, Officers and Committee Members	2
Minutes of the Spring Meeting.....	3
Committee Reports.....	4
Minutes of the Fall Meeting	7
Committee Reports.....	9
Appendix A: Titles for Presentations (Fall)	11
Appendix B: Treasurer's Report (Fall)	12
Appendix C: Regional Director's Report	14
Appendix D: 2014 JAM Wrap-Up Comments to the ESS	16

Editor's comments

The Society had 80 members including 16 Life Members in 2013/2014. Iain Phillips is a new Life Member. A copy of the Proceedings of the Entomological Society of Saskatchewan for 2014 was given to the University of Saskatchewan Archives.

The Joint Annual Meeting between the Entomological Society of Canada and Entomological Society of Saskatchewan was held in Saskatoon from September 28th to October 1st, 2014.

The Society newsletter was issued in May and November and is available on the society webpage. <http://entsocsask.ca/documents/newsletters.html>

Executive, Officers and Committee Members 2013/2014

Executive:

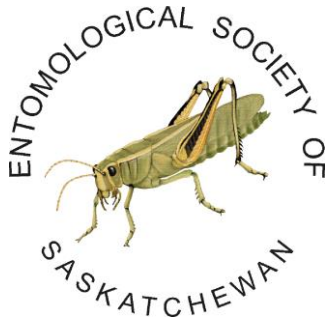
President	Margaret Gruber
Vice President	David Halstead
Past President	Doug Baldwin
Secretary	Iain Phillips
Treasurer	Dwayne Hegedus

Committee Members:

Youth and Amateur Encouragement	Chrystel Olivier
Heritage and Archives	Martin Erlandson Cedric Gillott
Newsletter Editor	David Halstead
Proceedings Editor	Jeff Boone
Honours and Awards	Doug Baldwin
Microscope	Iain Phillips
Website	Jeff Boone

Auditors: Wayne Goerzen and Owen Olfert

Regional Director: Jeff Boone



Minutes of the Meeting of
the Entomological Society of Saskatchewan
Room 215
Agriculture Canada Research Station, Saskatoon
13:30 pm, April 11, 2014

PRESENT: Dave Halstead, Owain Berry, Iain Phillips, Tyler Wist, Jeff Boone, Leila Benmerrouche, Julie Soroka, Cedric Gillott, Wayne Goerzen, Keith Moore, Dwayne Hegedus, Doug Baldwin, Habibullah Bahar, Iain Phillips, Owen Olfert, Inger Pors

BUSINESS MEETING

1) **Call to order** at 13:30 by Dave Halstead

2) **Approval of Agenda**

Motion: Wayne Goerzen/Tyler Wist. THAT the proposed agenda be adopted.
CARRIED.

3) **Minutes of the Fall Meeting – December 6th, 2013**

- a. Inger, Habibullah and Danielle's names are misspelled in the minutes
 - i. Correction made.

MOTION: Habibullah Bahar/Julie Soroka. THAT the minutes be adopted.
CARRIED.

4) **Business arising from the minutes**

- a. None

5) **Treasurer's Report – Dwayne Hegedus (Treasurer)**

- a. Dwayne distributed the report to spring 2014 to the membership with 54 members, and 14 life members.
- b. Dwayne notes that if you are a member in good standing you are eligible for a \$100 discount in your registration for the national meeting.
- c. Income still coming primarily from membership dues.
- d. The Society has a term deposit of \$38,000, and \$1,300 in its chequing account.
- e. Further, the ESS has loaned \$2,500 to the Joint Annual Meeting organizing committee.

- f. Filed a tax return in December 2013
- g. Overall, the Entomological Society of Saskatchewan is in stable shape.

Jeff Boone –

- a. That “Misc. (WROS Booth Fee)” should be WRSOS in the financial statement.

See Appendix A for copy of Treasurer’s Report Spring 2014.

MOTION: Tyler Wist/Owain Berry. THAT the Treasurer’s Report be adopted.
CARRIED.

6) Secretary’s Report—Iain Phillips (Secretary)

- a. No report or events.
- b. However, Iain Phillips took over responsibility for the preparation of the Proceedings and they are behind in production back to 2012. Jeff Boone volunteered to help in the preparation of the backlog of Proceedings.

MOTION: Tyler Wist/Doug Baldwin. THAT the Secretary’s Report be adopted.
CARRIED.

7) Newsletter Report—Dave Halstead (Newsletter Editor)

- a. Dave says that the letter is delayed because of lack of material, deadline extended to April 25th, 2014
- b. Request for material covering the events preparation for the upcoming Joint Annual Meeting.

Julie Soroka –

- a. Suggestion that Dave Halstead prepare a section of the newsletter covering material from the dragonfly meeting he held in Prince Albert.

MOTION: Doug Baldwin/Tyler Wist. THAT the Newsletter Report be adopted.
CARRIED.

8) Regional Director’s Report—Jeff Boone (Regional Director)

- a. No report

9) Committee Reports

9.1) Student and Amateur Encouragement (Chrystel Olivier)

- Chrystel Olivier could not make this meeting; however, Julie Soroka suggests the executive request a report on any updates from Chrystel.

9.2) Archives and Heritage (Cedric Gillott)

- Cedric Gillott reports that Roy Pickford has passed away. Roy was the first graduate student Cedric had and completed his Ph.D. in 1971. Roy passed away in January of this year, and Cedric will be preparing an obituary for the Entomological Society of Canada Bulletin.

9.3) ESS Website (Jeff Boone)

- Jeff Boone will work with Iain Phillips and Cedric Gillott to get the proceedings up to date and available through the website.
- Help is needed to get photos online.

9.4) Microscope (Iain Phillips)

- Iain Phillips has it and says it's in good shape.

9.5) Honours and Awards (Doug Baldwin)

- No submissions for travel awards to report
- Julie Soroka asks that if the travel awards are not taken up, can they be transferred to the next cycle of travel awards?

9.6) Nominations Committee (Dave Halstead)

- No Report

MOTION: Tyler Wist/Dave Halstead. THAT the Committee Reports be adopted.

CARRIED.

10) New Business

10.1) Nature City Festival entomological participation

- Iain Phillips introduces the Nature City Festival to be held at the end of May, in which the organizers have requested participation by the Entomological Society of Saskatchewan. Iain volunteers TRoutreach Saskatchewan to organize events and activities the Society could provide members to.

10.2) Position of Entomological Society of Saskatchewan President

- In the absence of current ESS President Margie Gruber due to health leave, Vice-President Dave Halstead will fill in her duties until she returns. Jeff Boone volunteers to help take some of the activities and help Dave out.

10.3) Update on the Joint Annual Meeting

Owen Olfert

- There is a new registration process in place online. It needs to be translated by Chrystel Olivier.

Jeff Boone

- Is it a fully functional website?

Dwayne Hegedus

- Yes it is

Cedric Gillott

- The scientific program is going well. The first plenary speaker has been confirmed, and four symposiums established.

Julie Soroka

- The organizing committee will need to announce the Joint Annual Meeting by April 25th.

Jeff Boone

- Did well fundraising and finding donors.

Keith Moore

- Local arrangements have been made.
- Audio-visual equipment is still being organized.
- Poster boards have been organized, but the conference likely will not need them on Wednesday of the conference.

Tyler Wist

- For student publicity, fliers were submitted to the ESC bulletin with sponsors indicated.
- There will be a graduate student showcase on the Sunday evening.
 - o This will consist of the top 5 applicants
 - o Student Publicity needs one more student volunteer from the ESS membership to help evaluate these submissions.
- Tyler suggests a brewery tour on Sunday of the conference
- The comedy improv act has been booked for 45 minutes the night of the banquet.

Julie Soroka

- We need to provide the ESC with the Criddle Award nomination soon.
- Student volunteers will be awarded the cost of registration.

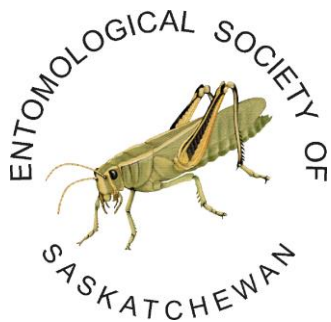
11)Next Meeting

- a. To be held December 5th, 2014.

12) Adjournment

Motion: Cedric Gillott. THAT the meeting be adjourned.

CARRIED.



Minutes of the Fall Meeting of
the Entomological Society of Saskatchewan
Agriculture Canada Research Station, Saskatoon
2nd Floor Conference Room
13:00, December 5, 2014

PRESENT: Tyler Wist, Julie Soroka, Wayne Goerzen, Phil Curry, Dave Halstead, Ryan McKellar, Iain Phillips, Jady Helfrick, Leila Benmerrouche, Dwayne Hegedus, Keith Moore, Doug Baldwin, Marianna Horn, Nicole Phillipow, Dayna Guertin, Brandon Henry, Art Davis, Aaron Bell, Danielle Stephens, Chance Prestie, Michael Cavallaro, Habibullah Bahar, Martin Erlandson, Chrystel Olivier, Ruwandi Andrahennadi, Scott Hartley, Owen Olfert.

Scientific Agenda

The fall meeting opened with a scientific program of exceptional presentations. The first was by a guest presenter from the Royal Saskatchewan Museum, Ryan McKellar, who presented on insects in amber across western Canada. Following this were presentations by students from the University of Saskatchewan as follows:

- **Marianna Horn** – Damselflies in distress: stress and eclosion rates in *Enallagma ebrium*
- **Iain Phillips** – Insights into an aquatic macroinvertebrate sediment response paradigm for the Northern Great Plains.
- **Michael Cavallaro** – Hypoxia tolerance and behavioral notes on the immature stages of the semi-terrestrial Platte River caddisfly (*Ironoquia plattensis*).

Awards

Dave Halstead and Doug Baldwin presented awards as follows:

- I. Brooks Award – to Marianna Horn (\$500)
- II. Student Travel Award – Aaron Bell (\$250)
- III. Student Presentation Award – to Iain Phillips (\$100)

Business Meeting

Call to order at 15:35 by Dave Halstead

1. **Introduction of the members** were made, new members were welcomed. Sign in sheet was distributed.
2. **Approval of agenda**—Items added;

Motion: Martin Erlandson/Tyler Wist. THAT the proposed agenda be adopted.

CARRIED.

3. **Minutes of Spring Meeting - April 11, 2014**
 - a. Minutes circulated to membership.

Motion: Chrystel Olivier/Wayne Goerzen. THAT the minutes of the Spring Meeting April 11, 2014, be adopted.

CARRIED.

4. **Business arising from the minutes**
 - a. None

5. **Treasurer's Report – Dwayne Hegedus (Treasurer; Appendix A)**
 - a. Society in good health
 - b. 80 members (albeit inflated by the JAM)
 - c. Main income from membership dues, and interest income.
 - d. ~\$39,000 in term deposits
 - e. Loan made to ESC, and it has been repaid.
 - f. Tax return filed this week, and Owen Olfert and Wayne Goerzen audited.

MOTION: Dwayne Hegedus/ Owen Olfert. THAT the ESS accept the Treasurer's Report.

CARRIED.

6. **Secretary's Report – Iain Phillips (Secretary)**
 - a. No report

7. **Newsletter Report – Dave Halstead (Newsletter Editor)**
 - a. Nicole Pillipow did the bulk of the work and the most recent one came out this week.
 - b. Jeff Boone– commends the quality and quantity of the newsletter and grateful for how amazing the newsletter looks.

- c. Julie Soroka asks if there is a way to imbed the name of the photographer in the images on the website and in the Newsletter. Dave Halstead will look into this.

MOTION: Iain Phillips/Doug Baldwin. THAT the ESS accept the Newsletter Report.

CARRIED.

8. Regional Director's Report – Jeff Boone (Regional Director; Appendix B).

a. Jeff Boone –

- i. This year was busy with the JAM
- ii. Next JAM will be in November 2015 in Montreal, QC.
- iii. The Entomological Society of Canada is selling the headquarters building in Ottawa.

MOTION: Jeff Boone/Art Davis. THAT the ESS accept the Regional Director's report.

CARRIED.

9. Committee Reports

a. Youth and Amateur Encouragement (Chrystel Olivier)

- i. Chrystel Olivier – 2 presentations at provincial parks,
- ii. Each year there is an increase in the number of attending the presentation
- iii. Next spring meeting Chrystel will be stepping down as her position is being transferred to London, Ontario.
- iv. Jeff Boone – looking to set up a master naturalist program in Saskatoon. Right now, looking for input in how people could use master naturalists in future projects. Maintain continuing education units and outreach activities.

b. Archives and Heritage (Martin Erlandson)

- i. They were used this year by Owen Olfert
- ii. Peter Harris passed away this year
- iii. Julie Soroka suggests that as people begin to retire they should consider donating their materials to the archives.

c. Website (Jeff Boone)

- i. It's working great.

d. Microscope (Iain Phillips)

- i. Being used by TRoutreach Saskatchewan students for honours and Masters of Science projects.
 - ii. Available on request.
- e. Awards (Doug Baldwin)
 - i. There will be an update on the submission dates for the travel award.
 - ii. Doug Baldwin – requests that the award winner provide an abstract for the newsletter.
- f. Nominations (Chrystel Olivier)
 - i. Supposed to find a VP for next year – Tyler Wist has volunteered for the position.

Current nominations for ESS executive:

President	Dave Halstead
Vice-President	Tyler Wist
Regional Director	Jeff Boone
Treasurer	Dwayne Hegedus
Secretary	Iain Phillips
Auditors	Owen Olfert
	Wayne Goerzen

MOTION: Phil Curry/Art Davis. THAT the nominations list be approved.

CARRIED.

MOTION: Julie Soroka/Tyler Wist. THAT the ESS accepts the committee reports.

CARRIED.

10. Other business

- a. Nature City Festival
 - i. Updates in the newsletter
- b. Ruddy Duck Lodge and Dale Parker field trips
 - i. Quite a great experience, resounding support for another trip during 2015
- c. Update and follow-through on 2015 ESC-ESS JAM
 - i. Tremendous success, and lots of favourable comments.
 - ii. Thanks to Dave Halstead for stepping in on short notice to be the President.

- iii. Report in Appendix C
- iv. ESC pulled out of the registration process and we commissioned a company to organize the online registration process.
- v. Jeff Boone really raised a lot of money and Owen Olfert presents him with an award.
- vi. Keith Moore and Wayne Goerzen managed the hotel accommodations well. Owen Olfert presents Keith Moore and Wayne Goerzen with awards.
- vii. Owen Olfert asks that if anyone has suggestions for how to improve the meeting let Julie Soroka or Chrystel Olivier know.
- viii. Dwayne Hegedus reports on the finances. The society made a profit of just over \$11,000

- 11. Installation of New Executive.
- 12. Spring meeting set for April 10, 2014.
- 13. Adjournment

a. Spring Meeting, first week in April (Second Friday).

MOTION: Scott Hartley/Jeff Boone. THAT the ESS adjourns the fall meeting 2014.

CARRIED.

APPENDIX A: TITLES OF PRESENTATIONS (2014)

1:30-2:15 Ryan McKeller, Royal Saskatchewan Museum
Insects in Amber

Student Presentations

2:30-2:45 Marianna Horn
Damselflies in distress: stress and eclosion rates in *Enallagma ebrium*.

2:45-3:00 Iain Phillips
Insights into an aquatic macroinvertebrate sediment response paradigm for the Northern Great Plains.

3:00-3:15 Michael Cavallaro
Hypoxia tolerance and behavioral notes on the immature stages of the semi-terrestrial Platte River caddisfly (*Isonychia plattensis*).

APPENDIX B: TREASURER'S REPORT 2014 (FALL)
ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN
MEMBERSHIP AND YEAR END FINANCIAL REPORT

01 September 2013 – August 30, 2014

MEMBERSHIP

- In 2013-2014 the ESS had 80 members (54 full and 26 student – 16 Life Members) of which 57 were in good standing. I. Phillips is a new Life Member.

ESS GENERAL ACTIVITIES

- The main sources of income were from membership dues with \$415.32 collected and interest income of \$1017.33 during this period.

FINANCE

- The ESS total assets are as follows:

Term Deposits	\$37,907.42 (\$10,267.33; \$12,000.00; \$15,640.09)
Checking	2,197.27
Accrued Interest	192.61
Outstanding credits	2,500.00 (loan to ESC 2014)
Outstanding credits	.00
Outstanding debits	<u>.00</u>

Total **42797.30** (42,445.66 in 2013)

Total interest due on GICs in 2015 will be \$598.57.

- The Society's Registered Charity and Non-Profit Corporations status were renewed.
- The Society's Registered Charity Tax Return was filed in December.
- The Society's records and accounts were audited by W. Goerzen and O. Olfert.

Please refer to the enclosed financial statement for further details.

**Financial Statement – Entomological Society of Saskatchewan
01 September 2013 – August 30, 2014**

MAXIMIZER ACCOUNT (ESS)

Receipts:

Memberships	\$ 1017.33
Outstanding deposits	.00
<u>Interest (CU Maximizer and Term Deposit)</u>	<u>415.32</u>

TOTAL **1432.65**

Expenditures:

Newsletter	0.00
Minister of Finance	10.00
Brooks Award (Hoemsen)	500.00
Travel Awards (Bell)	500.00
Meeting Expenses	35.17
Student Presentation Award (Hoemsen)	100.00
Postage	.00
Bank Charges	0.00
Misc. (WROS Booth Fee)	50.00
Misc. (PayPal Fees)	9.86
<u>Misc. (Insect Displays)</u>	<u>167.93</u>

TOTAL **1372.96**

Excess of Receipts over Expenditures \$ **59.69**

APPENDIX C: REGIONAL DIRECTOR'S REPORT (FALL)

Correspondence with the ESC

1. Submitted the ESS Regional Director's report for the executive meeting held on June 8th. The report included updates on the Joint Annual Meeting, ESS activities from 2013 and 2014.
2. Submitted a second update for the board meeting prior to the Joint Annual Meeting on September 27th, 2014

ESC announcements

The 2015 Joint Annual Meeting between the Société d'entomologie du Québec and the Entomological Society of Canada will be held from November 8th to November 11th, 2015 in Montreal. The theme of the meeting will be "Entomologie à l'ère de l'anthropocène" translated "Entomology in the Time of the Anthropocene"

Summary of the ESC Governing board and AGM Meeting September 27 and 30, 2014

Minutes are available to ESC members at <http://www.esc-sec.ca/ee/index.php>

1. The Board has decided to enter into a 3-yr contract with Strauss Event & Association Management to provide association management services to the Society. These will include financial and accounting operations, communications, membership database, JAM registration and title submission, teleconferencing, website management, and governance support.

2. Election of Directors

R. De Clerck-Floate moved and B. Lamb seconded that the following slate of Directors be elected for the 2014-2015 Societal year, with the terms of service indicated:

Staffan Lindgren (1-year term)	Societal Director and President
Terry Wheeler (2-year term)	Societal Director and 1st Vice-President
Neil Holliday (3-year term)	Societal Director and 2nd Vice-President
Zoë Lindo (1-year term)	Director at Large
Kirk Hillier (2-year term)	Director at Large
Chris Cutler (3-year term)	Director at Large
Bill Riel (1-year term)	Director from ESBC
Rob Longair (2-year term)	Director from ESA
Jeff Boone (3-year term)	Director from ESS
Barbara Sharanowski (3-year term)	Director from ESM
Patrice Bouchard (1-year term)	Director from ESO

Annabelle Firlej (2-year term) Director from SEQ
Gaetan Moreau (2-year term) Director from AES

3. Kevin Floate has taken over from Chris Buddle as Editor-in-Chief of The Canadian Entomologist.

APPENDIX D: JAM 2014 WRAP-UP COMMENTS TO THE ESS (FALL)

We (co-Chairs of the Local Arrangements Committee) would once again like to thank everyone for the many contributions to the success of the JAM-2014. We've heard nothing but compliments from the 172 registrants.

- All the sub-committee members pulled together to achieve a resounding success
- Thanks to David Halstead for stepping up as ESS President on short notice
- The Scientific Program co-ordinators have to be commended for putting together an excellent scientific program
- Our Treasurer has indicated a positive financial balance for the conference
- The social events were well received and enjoyed by all
- The help from the student volunteers during the conference was invaluable
- Thanks to all of the photographers contributing to the ESS Insect Calendar. We had enough submitted photos for 3 calendars

Back when we first started down this path, we had tentatively agreed upon a theme suggested by Bryan Ulmer (an ESS member living in Basel at the time) “**Entomology Without Borders**”, only to have ICE-2016 announce the identical theme six months later. So instead of waging a copyright war, we went back to the drawing board and came up with: “**Entomology in a Changing World**”. And thanks to Leila's artistic design of the logo, this theme was so well reflected in her chrysalis-cloaked planet.

Secondly, shortly after we had set a tentative budget and advertised the Registration Fee, ESC abruptly decided to not proceed with their plan to manage the registration process in-house and asked that we contract a conference management company. A firm from Victoria, BC was hired, who then gave Dwayne an internet crash-course one afternoon on design detail/requirements for JAM 2014. Thanks to Dwayne's dedication to this unexpected assignment, the registration website was up and running within a very short period of time.

In conclusion, we would like to highlight the contributions of a couple of people that went “Above and Beyond” the excellent participation of our volunteers. In large part, their persistence made the difference between red and black of our financial book balance.

1. Fundraising - Jeff Boone. Fundraising brought in a record amount of donations for this meeting. Kudos Jeff, your efforts were much appreciated.

2. Hotel negotiations – Keith Moore and Wayne Goerzen met the challenge of having to re-negotiate our contract with three different conference managers at the hotel over a short period of time. Thanks much for your persistence on our behalf!

Chrystel, Julie, Owen