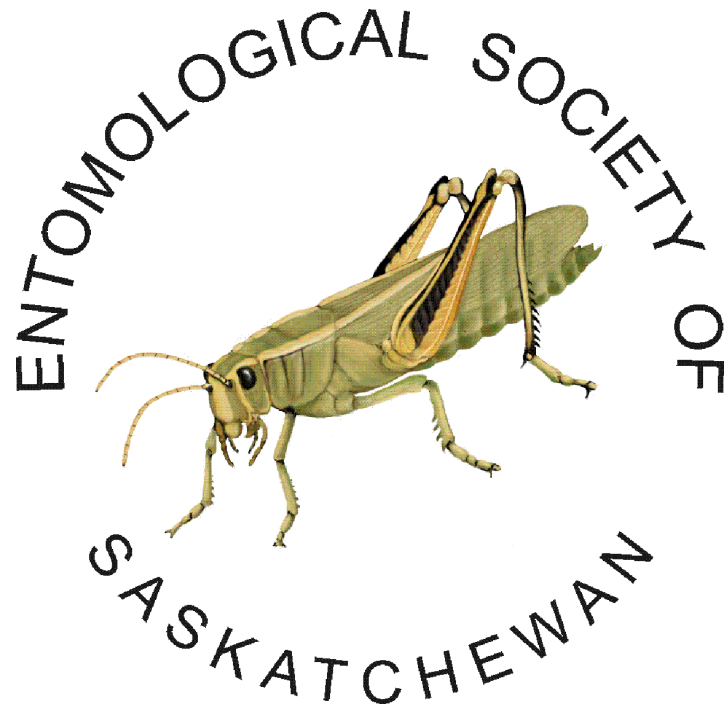


Proceedings of the



Volume 60
2012

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Proceedings of the Entomological Society of Saskatchewan

Volume 60

Editor: Iain Phillips

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Editor's comments

The Society had 48 members including 13 life members in 2011/2012. Julie Soroka and David Halstead are new Life Members. A copy of the Proceedings of the Entomological Society of Saskatchewan for 2012 was given to the Saskatchewan Archives.

The Joint Annual Meeting between the Entomological Society of Canada and Entomological Society of Alberta was held in Edmonton from November 4th to November 7th.

The Society mourns the loss of Robert (Bob) H. Burrage (1920-2012). Bob was president of the Entomological Society of Saskatchewan in 1954 and 1972. He was inducted as a Fellow of the Entomological Society of Canada in 1975. An obituary was published in the November 2012 edition of the ESS newsletter.

<http://entsocsask.ca/documents/newsletters/ESSNewsletterNovember2012.pdf>

Executive, Officers and Committee Members 2011/2012

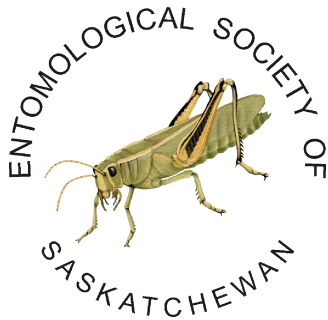
Executive:

President	Jeff Boone
Vice-President	Douglas Baldwin
Past President	Ruwandi Andrahennadi
Secretary	Iain Phillips
Treasurer	Dwayne Hegedus

Committee Members:

Youth and Amateur Encouragement	Chrystel Olivier
Newsletter Editor	David Halstead
Proceedings Editor	Iain Phillips
Regional Director to the ESC.....	Martin Erlandson
Honours and Awards	Ruwandi Andrahennadi
Microscope	Iain Phillips
Website	Jeff Boone
Archives and Heritage	Martin Erlandson and Cedric Gillott

Auditors: Wayne Goerzen and Martin Erlandson



Minutes of the Spring Meeting of
the Entomological Society of Saskatchewan
Agriculture Canada Research Station, Saskatoon
2nd Floor Conference Room
13:30, April 13, 2012

1) **PRESENT:** Jeff Boone (President), Owen Olfert, Cedric Gillott, Art Davis, Ruwandi Andrahennadi (Past President), Danielle Stephens, Daniel Wiens, Martin Erlandson, Tyler Wist, Dwayne Hegedus (Treasurer), Rod Burghardt, Diether Peschken, Habibullah Bahar, Doug Baldwin, Lorraine Braun, Murray Braun, Keith Moore, Harvey Anderson, Iain Phillips (Secretary).

1) **Call to order** Jeff Boone

2) Agenda—Items added;

Motion: Jeff Boone/Tyler Wist. THAT the agenda be accepted.

CARRIED.

3) Minutes of the Fall Meeting

a) Cedric brings up amendments to spelling, Iain notes to clear up the spelling in the Fall minutes.

Motion: Cedric Gillott/Habibullah Bahar. THAT the minutes of the Fall Meeting December 9, 2011, be accepted.

CARRIED.

4) Treasurer's Report – Dwayne Hegedus

Motion: Dwayne Hegedus/Tyler Wist. THAT the Treasurer's Report be accepted.

CARRIED.

5) Secretary's Report – Iain Phillips

Motion: Jeff Boone/Martin Erlandson. THAT the Secretary's Report be accepted.

CARRIED.

- 6) Newsletter and Proceedings – Dave Halstead
- a) Dave requests that the membership send him Gardenscape photos for the newsletter.
 - i) Tyler will write up a short article on Gardenscape for the newsletter.

Motion: Martin Erlandson/Owen Olfert. THAT the Newsletter and Proceedings report be accepted.

CARRIED.

- 7) Regional Director's Report
- a) Kirk Hiller won the C. Gordon Hewitt Award
 - b) The ESC JAM is in Edmonton this fall at the Coast Edmonton Plaza Hotel

Motion: Martin Erlandson/Owen Olfert. THAT the Regional Director's Report be accepted.

CARRIED.

8) Committee Reports

- 9.1) Student and Amateur Encouragement –
- No report

9.2) ESS Website –

- The Entomological Society of Saskatchewan has a new web address: www.ess-ses.ca
- Dave Halstead is working with students to provide an update
- Cedric Gillott asks if we need “ses” on the name

9.3) Microscope –

- Dwayne Hegedus informs the membership that the microscope is available here at Agriculture Canada.

9.4) Archives and Heritage –

- Cedric Gillott says we should put the newsletters on the website
- Cedric Gillott sent around a request for old newsletters to be included on the website (the missing ones). So far we are over 20, the earliest going back to 1996.
- Iain Phillips will check at the Royal Saskatchewan Museum in Regina
- Cedric Gillott will provide a list of the missing Newsletters to be appended to the minutes.

9.5) Curator's Report –

- Cedric Gillott asks whether we re-appointed Bob Randell as Curator – Jeff will ask Bob Randell.
- No report.

9.6) Honours and Awards –

- Accepting applications for Travel and Brooks Award.

9.7) Nominations Committee –

- Will be discussed at Fall AGM.

Motion: Cedric Gillott/Jeff Boone. THAT the Committee Reports be accepted.

CARRIED.

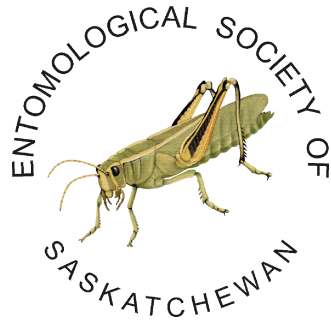
9) New Business

- a) Martin Erlandson mentioned the theme – “Insect Biodiversity” for the ESC JAM
- b) Tyler Wist presents the ESS Facebook Page
 - i) A forum for sharing information,
 - ii) Sharing pictures and insect videos
 - iii) If anyone has a Facebook account they can join
- c) Owen Olfert – keep your thinking caps on for a logo or theme for the ESC meeting in 2014.
- d) Owen Olfert – at Good Bugs/Bad Bugs – we may need to hire someone to fix the bugs in the display cases.
 - i) Owen will make an agenda item for the fall meeting to get someone to fix the specimens.
- e) Diether Peschken - suggests good insects for the logo.
- f) Jeff Boone - suggests collections for Grasslands National Park
 - i) Around the Cypress Hills trip time
- g) Iain Phillips - announces field trip opportunity to the Cypress Hills with his work in summer 2012.
- h) Keith Moore – At the point to sign the contract for the ESC 2014 meeting, is seeking input, and is updating that the contract will be signed with the Radisson. Keith had to give “ESC” to the hotel as the name to register under.

i) Jeff asks when the next meeting for the ESC will be held.

Motion: Cedric Gillott/Jeff Boone. 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 7, 2012

PRESENT: Jeff Boone (President), Marcelo Lince, Doug Baldwin, Dwayne Hegedus, Owen Olfert, Cory Sheffield, Habibullah Bahar, Julie Soroka, Martin Erlandson, Cedric Gillott, Deanne Schulz, Margie Gruber, Wayne Goerzen, Keith Moore, Phil Curry, Art Davis, Aaron Bell, Brittney Hoemsen, Daniel Wiens, James Armstrong, Chrystel Olivier, Ruwandi Andrahennadi, Tyler Wist, Dave Halstead, Emile Perreault, Nicole Pillipow, Aubrey Cartier, Inger Pors, Christian Hache, Chantel Trost

The fall meeting opened with a scientific program including exceptional presentations by a guest presenter, Dr. Cory Sheffield from the Royal Saskatchewan Museum and entomology graduate students. Dr. Sheffield's talk, "Diversity and conservation of Canada's bees," focussed on the diversity and threats to Canada's bee fauna, and discussed the research he plans to undertake in Saskatchewan. The students, in the order they appeared, were Tyler Wist, Aaron Bell, Brittney Hoemsen, James Armstrong, and Chantel Trost. See Appendix A for a list of their topics. The business meeting followed at 15:30.

Business Meeting

1. **Call to order** at 15:30 by Jeff Boone
2. **Introduction of members** were made, new members were welcomed. Cedric Gillott and Dwayne Hegedus presented Brittney Hoemsen and Iain Phillips each with travel awards of \$200 to attend the 2012 Entomological Society of Canada Meeting in Edmonton. James Armstrong received a cash award of \$100 for the best student talk. Thanks to Dave Halstead, Julie Soroka, and Martin Erlandson

who kindly agreed to be judges. Iain Phillips was awarded the Brooks Award for 2012.

3. **Approval of agenda**—Items added;
 - a. Correction to the agenda in the spelling of Brittney Hoemsen’s name from “Brittany” to Brittney.

Motion: Jeff Boone/Owen Olfert. THAT the proposed agenda be adopted.

CARRIED.

4. **Minutes of Spring Meeting - April 13, 2012**

- a. Minutes circulated to membership

Motion: Cedric Gillott/Tyler Wist. THAT the minutes of the Spring Meeting April 13, 2012, be adopted.

CARRIED.

5. **Business arising from the minutes**

- a. None

6. **Treasurer’s Report – Dwayne Hegedus (Treasurer)**

- a. Dwayne distributed the report for 2012 to the membership.
 - b. Take home message was that the membership is strong in 2012.
 - c. See Appendix B for copy of Treasurer’s Report 2012.

MOTION: Dwayne Hegedus/Phil Curry. THAT the ESS accept the Treasurer’s Report.

CARRIED.

7. **Secretary’s Report – Iain Phillips (Secretary)**

- a. Iain distributed the report for 2012 to the membership.
 - b. Short report for 2012.
 - c. Secretary will take over responsibility for preparing the Proceedings for 2011, 2012, 2013 and 2014.
 - d. See Appendix C for copy of Secretary’s Report 2012.

MOTION: Iain Phillips/Tyler Wist. THAT the ESS accept the Secretary’s report.

CARRIED.

8. **Newsletter Report – Dave Halstead (Newsletter Editor)**

- a. Dave asked for more updates and material for the next newsletter

- b. Dave acknowledged a great amount of assistance from Nicole Phillipow in preparing the newsletter in 2012.

MOTION: Iain Phillips/Martin Erlandson. THAT the ESS accept the Newsletter Report for 2012.

CARRIED.

9. **Regional Director's Report** – Martin Erlandson (Regional Director)
- a. See Appendix D for a copy of Regional Director's Report
 - b. Martin filed a copy of the Regional Director's Report for 2012 with the Secretary (Iain Phillips), and circulated it to the membership.
 - c. Martin highlighted a couple of announcements;
 - i. The 2013 JAM will be held in Guelph, Ontario from 20-23 October, 2013.
 - ii. This will be the 150th anniversary of the Entomological Society of Canada so it will be a significant meeting.

MOTION: Martin Erlandson/Art Davis. THAT the ESS accept the Regional Director's report.

CARRIED.

10. Committee Reports

- a. Youth and Amateur encouragement (Chrystel Olivier).
 - i. Events planned for 2013 so far are Bioscan, Gardenscape, Earth Day, Buffalo Pound Prov. Park, other Prov. Parks
 - ii. Julie asked if we could keep a running tally of how many people we teach and record in the minutes.
 - 1. Chrystel – 1000 people at Gardenscape, minimum of 100 people at each park visit.
 - iii. Martin – Have we asked for our annual allotment from the national society?
- b. Archives/Heritage (Cedric Gillott & Martin Erlandson)
 - i. Robert (Bob) Burrage passed away, obituary was published in the Bulletin of ESC, then in the ESS newsletter. President in 1954, and again in 1972.
 - ii. Minute of silence observed by the membership for Robert (Bob) Burrage
 - iii. Jeff asked for the set of notes Cedric made for the 50th anniversary

- c. Website (Jeff Boone)
 - i. Really nice site created by Dave Halstead and his students.
 - ii. Jeff has been changing text, updating events, etc.
 - iii. Facebook page can be linked to the website
 - iv. Do not need a PayPal account to use the feature on the website.
 - v. Julie – asked if the membership could submit their own photos?
 - 1. Jeff – Responded ‘yes’, and encouraged more photo submissions.
 - vi. Tyler – asked if we could take photos from the old site.
 - 1. Jeff will look into this.
 - vii. Heritage Page suggested by Jeff Boone.
- d. Microscope (Vacant)
 - i. Tyler suggested Ikea lights
 - ii. Iain has it. Will stand as the Microscope Committee. Available to others
- e. Honours and awards (Ruwandi Andrahennadi)
 - i. Great presentations
 - ii. Iain encouraged students to apply for the awards.
 - iii. Jeff said maybe we could have deadlines for travel awards as they trickle in.
 - 1. Dwayne said we have awarded the money for this fiscal year already.
 - 2. Perhaps we should have two awards divided up, between spring and fall.
 - 3. Cedric suggested we increase the value of the award. Dwayne agreed, and supported that financially we can increase it this year. Cedric suggested \$1000

Motion: Cedric Gillott/Art Davis. THAT the travel award be increased to \$1000 per annum, not more than one half be awarded in the first half of the year, and the balance awarded in the second half of the year. Total amount not exceed \$1000 in a fiscal year.

CARRIED.

- iv. Nominations Committee – Ruwandi Andrahennadi
 - 1. Current nominations for ESS executive:

President	Doug Baldwin
Vice-President	Margaret Gruber

Regional Director	Martin Erlandson
Treasurer	Dwayne Hegedus
Secretary	Iain Phillips
Auditors	Owen Olfert
	Wayne Goerzen

MOTION: Cedric Gillott/Dwayne Hegedus. THAT the ESS accept the Committee Reports.

CARRIED.

11. Other business

- a. Dave Halstead mentioned to the membership that the Dragonfly Society of the Americas will be having their Annual Meeting in Prince Albert in 2013.
 - i. Dave encouraged everyone here to come out and participate
 - ii. Dave submitted the poster for the Meeting (See Appendix E)
- b. Entomology 2014 JAM
 - i. We need a theme and logo (Owen Olfert)
 - ii. Submit ideas
 - iii. Students encouraged to participate
- c. Insect collection – no report?
 - i. Jeff Boone commented that the collection looks great
 - ii. Some material from the ESS in the collection at U of S that should go back to the ESS
 - iii. Julie Soroka– Books should be catalogued
 1. Send good entomology books to Julie
 2. Julie will also receive photos from the membership to be used on the website and for promotional materials.

12. Installation of the new executive

- a. Doug Baldwin took the Chair as new President.
- b. Spring Meeting
 - i. The date and location of the Spring Meeting of the ESS will be decided at the winter meeting of the executive yet to be determined

13. Adjournment

MOTION: Julie Soroka/Jeff Boone. THAT the ESS adjourns the Fall meeting 2012.

CARRIED.

APPENDIX A: TITLES OF STUDENT PRESENTATIONS 2012 (FALL)

1:50-2:05 Tyler Wist

The parasitoid complex of the ash leaf-cone roller, *Caloptilia fraxinella*

2:05-2:20 Aaron Bell

Effects of pitfall lid transparency and habitat structure on the catches of carabid beetles (Coleoptera: Carabidae) in an untamed pasture

2:20-2:35 Brittney Hoemsen

Decrypting corixids: species-level investigation on the migration and diet of aquatic true bugs

2:35-2:50 James Armstrong

Use of molecular tools to identify fleas on ground squirrels and pocket gophers

2:50-3:05 Chantel Trost

Can the U.S.A. origins of the blacklegged ticks (*Ixodes scapularis*) found in Canada be determined using molecular tools?

APPENDIX B: TREASURER'S REPORT 2012 (FALL)

ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN MEMBERSHIP AND YEAR END FINANCIAL REPORT

01 September 2011 – August 30, 2012

MEMBERSHIP

- In 2011-2012 the ESS had 48 members (42 full and 6 student – 13 Life Members) of which 40 were in good standing. Juliana Soroka and David Halstead are new Life Members.

ESS GENERAL ACTIVITIES

- The main sources of income were from membership dues with \$785.00 collected and interest income of \$465.89 during this period.

FINANCE

- The ESS total assets are as follows:

Term Deposits	\$37,745.09 (\$10,105.00; \$12,000.00; \$15,640.09)
Checking	2,471.44
Outstanding credits	2,500.00 (loan to ESC 2014)
Outstanding debits	.00
<u>Accrued interest</u>	<u>147.00</u>

Total **42,863.53** (42,450.42 in 2011)

- The Society's Registered Charity and Non-Profit Corporations status were renewed.
- The Society's Registered Charity Tax Return was filed in November.

Please refer to the enclosed financial statement for further details.

Financial Statement – Entomological Society of Saskatchewan 01 September 2011 – August 30, 2012

MAXIMIZER ACCOUNT (ESS)

Receipts:

Memberships	\$	785.00
Outstanding deposits		.00
Interest (CU Maximizer and Term Deposit)		465.89
<u>Misc. (PayPal Credit)</u>		<u>0.09</u>

TOTAL \$ **1250.98**

Expenditures:

Newsletter	0.00
Minister of Finance	10.00
Brooks Award	0.00
Travel Awards (Stephens and Bahar)	500.00
Meeting Expenses	23.18
Student Presentation Award (Phillips)	100.00

Postage	.00
Bank Charges	0.00
Misc. (Web Site)	200.00
Misc. (Receipt Book)	10.74
Misc (Insect Specimens)	151.56
<hr/>	
TOTAL	\$ 995.48
Excess of Receipts over Expenditures	\$ 255.50

APPENDIX C: SECRETARY'S REPORT 2012 (FALL)

Secretary's Report—Entomological Society of Saskatchewan Annual General Meeting

December 7, 2012

Minutes and Agendas

- 1) Spring Meeting of the Entomological Society of Saskatchewan 2012
 - Agenda circulated two weeks in advance for the ESS Spring Meeting on April 13, 2012 at Agriculture Canada
 - Minutes of the Fall 2011 Meeting circulated of the April 13th meeting.
 - Minutes taken at the Spring Meeting on April 13th.

- 2) Fall Meeting of the ESS 2012
 - Agenda prepared with President Jeff Boone
 - Prepared the Minutes from April 13th Meeting, and circulated them to the membership with the agenda for the Fall Annual General Meeting on November 24th, 2012.

Correspondence

- Discussion with Dave Halstead about the Proceedings of the ESS, and expect to be taking on responsibility of preparing proceedings from the 2011 Fall Meeting and this current 2012 fall meeting. Proceedings will be provided electronically as a pdf on the ESS website, and a small number will be printed (available on request).

Respectfully Submitted,
 Iain Phillips,
 Secretary, Entomological Society of Saskatchewan

APPENDIX D: REGIONAL DIRECTOR'S REPORT 2012 (FALL)

Regional Directors Report – December 7, 2012

A. Correspondence with ESC

- 1) Submitted ESS Regional Director's update report for the ESC Executive council meeting February, 2012 with summary items from ESS Annual Meeting held December 9, 2011 at Agriculture and Agri-Food Canada, Saskatoon Research Centre.
 - a) Election of the Executive Board Members for 2011-2012
 - President: Jeff Boone
 - Vice-president: Doug Baldwin
 - Regional director to ESC: Martin Erlandson
 - Treasurer: Dwayne Hegedus
 - Secretary: Iain Philips
 - ESS newsletter and proceedings editor: David Halstead
 - b) ESS Awards presented:
 - (i) Iain Phillips (PhD student, Department of Biology, University of Saskatchewan) was the recipient of the ESS Best Student Paper Prize for his presentation entitled: "The influence of the Gardiner Dam on the benthic communities in the Saskatchewan River".
 - (ii) Danielle Stephens (MSc student, Department of Biology, University of Saskatchewan) was awarded the ESS Travel Award towards her attendance at the 2011 Entomological Society of Canada Meeting in Halifax.
 - c) The ESS continues to provide \$1000 support towards a student curatorial assistant for Dr. Bob Randell, Honorary Curator of insect collections at the University of Saskatchewan, Department of Biology and AAFC-Saskatoon Research Centre.
- 2) Coordinated the submission of an official letter of invitation from ESS President, Jeff Boone, to ESC President, Michel Cusson, asking the ESC to join the ESS for the Joint Annual Meeting in Saskatoon, Sept, 26 – Oct. 1, 2014.
- 3) Submitted ESS Regional Director's Report for the ESC Governing Board Meeting – 2012 JAM, Edmonton, AB held November 3, 2012.

B. ESC Announcements:

- 1) The 2013 Joint Annual Meeting between the Entomological Society of Ontario and the Entomological Society of Canada will be held October 20-23, 2013 at the Delta Guelph Hotel and Conference Centre in Guelph, Ontario. The meeting theme is “Predating the Nation - A Sesquicentennial Celebration of Entomology in Canada” reflecting the celebration of the 150th anniversary of the Entomological Society of Canada/Ontario. Note that as the meeting program is anticipated to be quite full the meeting is proposed to run the full day on Wednesday Oct. 23 as opposed to the more traditional close of the meeting at noon on Wednesday.

C. Summary of the ESC Governing Board and AGM Meeting – November 3 and 6, 2012.

Minutes of the 2012 ESC Governing Board Meeting can be found at:

<http://www.esc-sec.ca/ee/memberfiles/minutes/gb1min12.pdf>

Minutes of the 2012 ESC Annual General Meeting can be found at:

<http://www.esc-sec.ca/ee/memberfiles/minutes/agmmin12.pdf>

- a) Annual Meeting Committee - Substantial changes have been made to the annual meeting guidelines. Upon review, many items in the guidelines were out of date or were not in agreement with the standing rules. The rotation of meetings has been ‘set’ through to 2016 with chairs selected by the regional societies for the 2013 and 2014 meetings.
- b) Scientific Editor TCE - many changes occurred at TCE over the past year, including movement to Cambridge University Press, adoption of an on-line manuscript submission and review system, changes to the Editorial Board and the editorial process, and the hiring of an Editorial Assistant (Andrew Smith). From the Scientific Editor’s perspective, these changes have all been positive, and the outlook for TCE is encouraging. Manuscript submissions have increased to 301 in the last year. Of the manuscripts that were processed completely between 1 Oct 2011 and 30 September 2012, the rejection rate stands at 59%. Time from submission to decision has improved substantially and averaged 28 days, 26 days and 46 days for Notes, Regular articles and Review articles, respectively.
- c) Achievement Awards - the 2012 Gold Medal recipient was Dr. Felix Sperling and the C. Gordon Hewitt Award recipient was Dr. Brent Sinclair. The 2012 Criddle

Award recipient was Dr. Charles Bird. Three new ESC Fellows (Dr. Gary Gibson, Dr. Neil Holliday and Dr. Robert Bennett) were inducted this year. The details for these award winners were published in the September 2012 ESC Bulletin.

Respectfully submitted,
Martin Erlandson
Entomological Society of Saskatchewan - Regional Director

APPENDIX E: DRAGONFLY SOCIETY OF THE AMERICAS ANNUAL MEETING 2013

Dragonfly Society of the Americas to host Annual Meeting in Prince Albert, Saskatchewan.

For those interested in all things Odonata, the Dragonfly Society of the Americas will be hosting their Annual meeting, in northern Saskatchewan July 10-17. Prince Albert and the subsequent post-meeting in Missinipe will be the furthest north the meeting has ever been held and the first time it has been held on the Canadian prairies. The Annual meeting (July 12-14) is generally a survey event with one day set aside for presentations and business meetings and two days for surveying Odes in Prince Albert National Park. A pre-meeting survey will take place July 10-11 and the post-meeting survey will be July 14-17. For more information regarding the Dragonfly Society of the Americas, or the Annual Meeting, you are encouraged to go to Odonata Central or contact me directly at (306) 765-1643 or halstead@siast.sk.ca.