

# Entomological Society of Saskatchewan Newsletter

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Thanks to Martin Erlandson and Keith Roney for help in preparation of this issue.



## In Memoriam

### Ron Hooper

Ron Hooper, one of Saskatchewan's foremost entomologists, passed away on December 2, 2010 at the age of 79. Ron had a longstanding association with entomology in Saskatchewan, having worked at the Royal Saskatchewan Museum from 1964-1996, and would later become one of the most highly regarded collectors of lepidopterans in Saskatchewan. The following is an excerpt from the website of the Royal Saskatchewan Museum giving a very brief biography of Ron's work while employed with the museum during his employ from 1964-1996:

Ron Hooper (employed 1964 - 1996)



Ron Hooper examining moths in the Museum collection.

Ron Hooper was involved with the Museum long before he began his tenure here. Along with his twin brother Donald, Hooper learned basic taxidermy from [Fred Bard](#) in 1953. He went on to become a celebrated entomologist for the Museum, discovering several species of moths and butterflies. His most significant find was that of the [Simius Roadside Skipper](#) (*Amblyscirtes simius*) on June 27, 1968. It was the first record of this species anywhere in Canada. Although he officially "retired" several years ago, Hooper continues to contribute his substantial expertise and experience to the Museum's insect collection

The following is an excerpt from the Regina Leader Post dated December 09, 2010:



**Hooper, Ronald**  
*Published: 2010-12-09*  
**Fort Qu'Appelle, SK**

REV. RONALD R. HOOPER 1931 2010 On Thursday, December 2, 2010 Rev. Ronald R. Hooper, beloved husband of Barbara Hooper, Fort Qu'Appelle, SK. passed away at the age of 79 years. The wake will be held in the Standing Buffalo School Gymnasium, Standing Buffalo First Nation on Thursday, December 9, 2010 commencing at 7:00 p.m. with funeral service on Friday December 10 at 10:00 a.m. with Herman Goodpipe, Edmond Jordon and Rev. Karl Kienle officiating. Interment in St. Andrew's Cemetery, Caragana, SK. Rev. Hooper was predeceased by his parents, Eli and Clara Belle Hooper and two brothers, Dayle and Donald Hooper and is survived by his loving wife Barbara and two sons; David (Vicki) Hooper and their family Alicia and Jesse, United Arab Emirates, and John Hooper, Fort Qu'Appelle, one daughter, Esther Hooper, Fort Qu'Appelle, one sister, Edna (Ray) Brookes, Taylor, B.C., one sister-in-law, Margaret Hooper, Porcupine Plain, SK., and also his nieces and nephews. If friends so desire contributions to the Fort Qu'Appelle Indian Bible School Box 205, Fort Qu'Appelle, SK., S0G 1S0 may be tokens of remembrance. Online condolences may be made at [www.mem.com](http://www.mem.com) 1536383

From Ray Poulin, Royal Saskatchewan Museum...

On Thursday 2 December, 2010, Ronald Hooper passed away following recent illness and a diagnosis of cancer. Among entomologists Ron is well known as an expert on Saskatchewan, but he was also the pastor of Fort Qu'Appelle Apostolic Church. He had been preaching since 1952, mostly to First Nations groups. Each year he travelled extensively to native settlements where he advocated the values of kindness and the natural world, and his work was greatly appreciated. Whenever he could, he enjoyed being in the outdoors and studying insects. His enthusiasm resulted in a huge contribution of many scientific articles (including his well known book on the butterflies of Saskatchewan) and thousands of valuable specimens. He was recognized by ESC with the Norman Criddle Award. He served on the Arthropod SSC advising COSEWIC for more than a decade. He will be remembered as a very sensitive man who helped enormously in his community and made a significant contribution to protection of the Canadian environment.

Other Information:

Ron was one of the founding members of the Lepidoptera and Mollusca SSC (Species Specialist Group) that advised the Committee On the Status of Endangered Wildlife in Canada (COSEWIC). Ron joined the SSC in 1995 and he served until 2007. He also prayed for members when he found out that they were in difficulty. His family will receive a plaque with the inscription: for the valued contribution of Reverend Ronald Hooper as a member of the Arthropods Specialist Subcommittee for over a decade. COSEWIC and the natural environment of Canada have benefited from Dr.

Hooper's commitment and dedication. His knowledge, enthusiasm and passion were welcomed by all and he will greatly be missed.

From the Museum:

From what I have been told, Ron began collecting and identifying insects for the museum in the mid 1950s. Since his retirement, he continued to work tirelessly as a volunteer by collecting, organizing and preparing the insects that make up our entomology collection here at the RSM. Although we do not know the exact number of insects in our collection or the number attributed directly to him, we know his name is associated with almost all of this exceptional collection.

Ron led a spiritual life, was an ordained reverend, and served as pastor with the Fort Qu'Appelle Apostolic Church.

Ron made many contributions to the ESS Newsletter over the years with records of new species for Saskatchewan, providing location, dates, and other significant data with his finds. Ron served as President of the Entomological Society of Saskatchewan in 1979, and was a recipient of the Entomological Society of Canada's Norman Criddle Award in 1983 for excellence in the field of entomology.

He will be missed by many.

## **Awards**

Congratulations to Claire Anstead who won the prize for best student presentation at the last ESS meetings, and to Amy Noakes who was the Brooks Prize winner in 2010. For a list of those who gave presentations at the last meeting, see Appendix A from the December 03, 2010 minutes on page 10 of this newsletter. Thank you to all who gave some great talks!



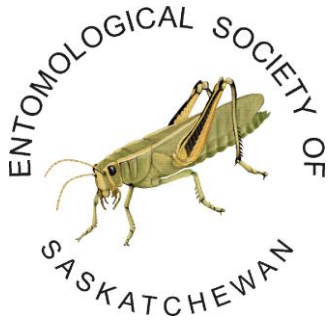
Claire Anstead – Best Student Presentation

Claire is a PhD student working with Dr. Neil Chilton in the Department of Biology, University of Saskatchewan. Claire’s presentation was entitled “Morphological and molecular identification of ticks from *Thomomys talpoides* and *Uroditellus richardsonii*.”



Amy Noakes – Brooks Prize Winner 2010

Amy is an MSc student in the Department of Biology, University of Saskatchewan. She is working Dr. Martin Erlandson’s group at AAFC on baculovirus primary infection of midgut cells of host insects.



Minutes of the Annual General Meeting of the  
Entomological Society of Saskatchewan  
2<sup>nd</sup> Floor Conference Room  
Agriculture Canada Research Station, Saskatoon  
1:00 PM, December 3, 2010  
(Approval required at the Spring Meeting, 2011)

**PRESENT:** Tyler Wist, Art Davis, Cedric Gillott (President), Dwayne Hegedus, Ruwandi Andrahennadi, Martin Erlandson (Secretary), Amy Noakes, Danielle Stephens, Bryan Sarauer, Margie Gruber, Phil Curry, Scott Hartely, Jeff Boone, Harvey Anderson, Iain Phillips.

The Annual General Meeting began with a series of six paper presentations by graduate students. (See Appendix A)

**Clare Anstead** was awarded the best student paper prize for her presentation entitled, Morphological and molecular identification of ticks from *Thomomys talpoides* and *Uroditellus richardsonii*.

### BUSINESS AGENDA

1. **Call to order** by President Cedric Gillott
2. **Introductions of the members**
3. **Approval of Agenda**

**MOTION:** Wist/Curry THAT the agenda be adopted.

**CARRIED**

4. **Minutes of Spring Meeting - 2010**

**MOTION:** Erlandson/Andrahennadi THAT the minutes of the Spring Meeting, April 16, 2010 be approved.

**CARRIED**

5. **Business arising from the minutes**

There was no business arising from the minutes

6. **Treasurer's Report** – Dwayne Hegedus

See Appendix B

**MOTION:** Hegedus/Davis. THAT the Treasurer's report be adopted. **CARRIED**

## **7. Secretary's Report – Martin Erlandson**

Minutes were taken of the Spring Meeting of ESS held April 16, 2010 at Agriculture and Agri-Food Canada, Saskatoon Research Centre, Saskatoon, SK. The minutes were distributed to the members either electronically or by post on April 30, 2010.

Notice of this meeting, including a list of nominations for executive council positions, was circulated to the members either electronically or by post on November 17, 2010. A renewal notice for 2010/2011 memberships was sent out to all current ESS members.

Correspondence:

1) A notice was received from Dr. Michel Cusson, Chair of the Entomological Society of Canada Awards Committee announcing a call for submission of nominations for the Gold Medal and C. Gordon Hewitt Award. As well, the ESS is invited to nominate candidates for Fellow of the Entomological Society of Canada and Honorary Member of the ESC. Also, ESS members are invited to submit applications for a new ESC award, the Bert and John Carr Award, which is in support of research activities by individuals who study insect faunistics, or the natural history and taxonomy of Canada's insect fauna. Preference will be given to applications by amateurs, but applications by students and others will be considered. Complete information on these awards is posted on the ESC website and the December 2010 issue of the Bulletin of Entomological Society of Canada. Nominations and applications for these various ESC awards must be postmarked no later than February 28, 2011.

2) Several letters were sent to the Canada Revenue Agency clarifying the changes to our constitution and outlining the details of our awards in support of students of entomology.

Respectfully submitted,  
Martin Erlandson  
Acting Secretary, Entomological Society of Saskatchewan

**MOTION:** Erlandson/Gruber THAT the Secretary's report be adopted. **CARRIED**

## **8. Report of the Newsletter and Proceedings Editor – Brian Galka.**

### **8.1 Entomological Society of Saskatchewan Proceedings Report**

The last edition of the Proceedings of the Entomological Society of Saskatchewan, volume 57, was published on December 18, 2009. Copies of the proceedings were sent to members shortly before Christmas 2009. A copy of the 2009 proceedings has been forwarded to the

Saskatchewan Archives. Thanks to Owen Olfert, Dwayne Hegedus and Cedric Gillott for their suggestions and input.

## **8.2 Entomological Society of Saskatchewan Newsletter Report**

The most recent edition of the Entomological Society of Saskatchewan Newsletter, volume 29 number 1, was published on December 18, 2009. The newsletter was circulated to members shortly before Christmas 2009. Thanks to Larry Grenkow, Owen Olfert and Dwayne Hegedus for their contributions to the newsletter. Suggestions and material for the newsletter are always welcome.

Respectfully submitted,  
Brian Galka  
Editor, Newsletter and Proceedings of the Entomological Society of Saskatchewan

**MOTION:** Sarauer/Wist THAT the Editor's report be adopted. **CARRIED**

## **9. Regional Director's Report.** – Martin Erlandson.

See Appendix D

**MOTION:** Erlandson/Davis THAT the Regional Director's report be adopted.  
**CARRIED**

## **10. Committee Reports**

### **10.1 Student and Amateur Encouragement** – Chrystel Olivier

#### **Adult activities**

Cedric Gillott gave two workshops on 'Identifying Insects in Your Yard and Garden' in May and July 2010. Chrystel Olivier gave an entomology presentation to the staff at the Echo Valley Provincial Park on July 30<sup>th</sup>, 2010, and a presentation at Moose Mountain Provincial Park on August 6<sup>th</sup>, 2010. A group of 15-20 adults and children attended the presentations. A short oral presentation (10 min) about insects was followed by questions over the ESS display (20 min), and 1h30 of insect sampling sweeping nets in the surrounding areas within the park.

## **Youth Activities**

On November 29<sup>th</sup>, Chrystel Olivier did presentations to students from two grade 5, one grade 6 and one grade 7 classes. Presentations focused on good bugs – bad bugs and care given to progenies.

Jeff Boone gave presentations about insects in his field laboratory at the Civic tree nursery, to grade 1 and 2 students from Victoria, W.P. Bate, John Lake, St Marguerite and Cardinal Leger schools, to grade 8-12 students from City Park school. A presentation was also done for the outdoor education class at Marian Graham (Grade 10).

Respectfully submitted,  
Chrystel Olivier  
Chair, Youth and Amateur Encouragement Committee

## **10.2 ESS Website – Bryan Sarauer**

Website updates have been minimal over the past year. Following the ESS General Meeting in late 2009, an update to the current executive page was made. Other minor updates or changes were also made on an occasional basis, including the addition of this meeting to the “Upcoming Events” section of the website.

At this time I am willing to continue in this role for another year. However, if there is a person willing to take on the website maintenance, I would welcome that transition.

Respectfully submitted,  
Bryan Sarauer

## **10.3 Microscope – Harvey Anderson**

Harvey Anderson reported that he is in possession of the ESS Olympus binocular microscope and two light sources, and that the microscope is in good working order. Any ESS member wishing to use the microscope should contact Harvey Anderson.

## **10.4 Archives and Heritage Committee – Cedric Gillott**

As a result of an enquiry to University Archives, it was discovered that the ESS Proceedings for the years 1993-2006, 2008 and 2009 were not part of the collection. However, as a result of the generosity of Brian Galka and Martin Erlandson, the volumes for 1994-2000 (Volumes 42-48) and 2002-2006 (Volumes 50-54) have now been added.

Respectfully submitted,  
Cedric Gillott/Martin Erlandson

## **10.5 Curator’s Report – Bob Randell**

No report received, but Art Davis extended appreciation from the Department of Biology,



University of Saskatchewan for ESS support for curatorial assistants in the Department's insect collection. A biology student, James Armstrong was hired for the summer to assist the Curator.

#### **10.6 Honours and Awards – Ruwandi Andrahennadi**

The Honours and Awards Committee reported that:

- (i) Amy Noakes (University of Saskatchewan) was the recipient of the A.R. Brooks Prize.
- (ii) No applications for Travel Awards were received

#### **10.7 Nominations – Julie Soroka**

The following slate of nominees was elected by acclamation.

Nominations:

President:	Ruwandi Andrahennadi
Vice-President :	Jeff Boone
Secretary:	Iain Phillips
Treasurer:	Dwayne Hegedus
Auditors:	Chrystel Olivier Wayne Goerzen

**MOTION:** Wist/Philips THAT the committee reports be accepted. **CARRIED**

### **11. New Business**

#### **11.1 Curatorial Support.**

**MOTION:** Hartley/Curry THAT the Entomological Society of Saskatchewan continue its financial support for a summer student to assist in insect collection and curation through the University of Saskatchewan, and the level of support remain at \$1,000.00 for 2011.  
**CARRIED**

#### **11.2 Hairy Canola Video**

Margie Gruber noted that her research group in collaboration with the University of Saskatchewan Media Productions Department and canola producer groups have produced a six minute video, in You-Tube format, that summarizes the development of "Hairy Canola" as an insect resistance strategy. Margie suggested that the ESS consider linking this or similar You-Tube format entomological videos to the ESS website as a means to enhance educational content on the ESS website. Contact will be made with Bryan Sarauer the ESS webmaster.

## 12. Installation of New Executive

As the new president, Ruwandi Andrahennadi thanked all the members of last year's executive and the members of ESS committees for all their contributions to the society.

**13. Adjournment**    **MOTION:**    Gillott    THAT the meeting be adjourned (at 4.20 pm)

## APPENDIX A

### Oral Presentations:

1:10-1:25 - Amy Noakes

Determining the role of potential chitin-binding proteins in oral infectivity of the bertha armyworm by the baculovirus *Mamestra configurata* nucleopolyhedrovirus (MacoNPV).

1:25-1:40 - Shaun J. Dergousoff

Changing distribution of two ticks of medical and veterinary importance in Saskatchewan.

1:40-1:55 - Danielle Stephens

Insect pollinators of Saskatchewan plants *Vaccinium myrtilloides* and *Vaccinium vitis-idaea*: preliminary results of field season 2010

1:55-2:10 - Chantel N. Krakowetz

Genetic diversity of the black-legged tick, *Ixodes scapularis*, and an associated bacterium, *Anaplasma phagocytophilum*, in Minnesota.

2:10-2:25 - Clare Anstead

Morphological and molecular identification of ticks from *Thomomys talpoides* and *Uroditellus richardsonii*.

2:25-2:40 - Iain D. Phillips

Life history and diet of *Skwala parallela* (Plecoptera: Perlodidae) and *Zapada cinctipes* (Plecoptera: Nemouridae) in a Prairie Headwater Stream.



**Financial Statement – Entomological Society of Saskatchewan  
01 September 2009 – August 30, 2010**

MAXIMIZER ACCOUNT (ESS)

Receipts:

Memberships	\$ 535.00
Outstanding deposits	.00
Interest (CU Maximizer and Term Deposit)	437.65
Amateur Encouragement	.00
Misc. (US deposit differential)	.00
Misc. (ESS Bag Sales)	.00
Misc. (Donations – Anderson and Gillott)	<u>.00</u>

**TOTAL** 972.67

Expenditures:

Newsletter	8.62
Minister of Finance	10.00
Brooks Award	500.00
Meeting Expenses	7.48
Postage	7.27
Bank Charges	.00
Insect Curation	1000.00
Travel Award	300.00
Insect Specimens	<u>100.80</u>

**TOTAL** 1934.17

Excess of Receipts over Expenditures \$ (961.50)

## APPENDIX C

### ESC Regional Director's Report to the ESS

The Governing Board meeting of the ESC and the 60<sup>th</sup> Annual General meeting of the ESC were held at the Coast Plaza Hotel in Vancouver, BC on October 30<sup>th</sup> and November 2<sup>nd</sup>, respectively. Minutes of both the Governing Board and Annual General Meetings will be published in the December issue of the ESC bulletin and are posted on the ESC website.

The next Governing Board meeting will be held during the Joint Annual Meeting of the Entomological Society of Canada and Acadian Entomological Society, November 6-9, 2011 at the Westin Nova Scotian Hotel in Halifax, Nova Scotia.

#### Governing Board and Trustees for 2011:

##### Executive Council

President: Peter Mason

1<sup>st</sup> Vice President: Michel Cusson

2<sup>nd</sup> Vice President: Rosemarie DeClerk-Floate

Past President: Maya Evenden

##### Directors-at-Large

Michele Roy (2011), Felix Sperling (2012), Brent Elliott (2013)

##### Student Representative

Chandra Moffat (UBC, Okanagan Campus)

##### Trustees

Treasurer: Scott Brooks

Secretary: Annabelle Firiej

TCE Scientific Editor: Rob Bennett

Bulletin Editor: Cedric Gillott

Assistant Bulletin Editor: Julia Mlynarek

Webmaster: Rick West

##### Regional Directors

Bill Riel (ESBC), Lloyd Dosdall (ESA), Martin Erlandson (ESS), Terry Galloway (ESM), Hume Douglas (ESO), Geneviève Labrie (SEQ), Carolyn Parsons (AES)

Although the Board Meeting minutes are available the ESC website several key decisions of the Board and AGM meeting are highlighted below as extracted from the draft minutes:

## **Ad Hoc Committee for TCE publisher**

This Committee received and evaluated proposals from three publishers for publishing TCE (Taylor & Francis, NRC Research Press, and Cambridge University Press). Following an exhaustive round-table discussion comparing proposals by each publisher, the Board decided unanimously that Cambridge University Press offered the best option for publishing TCE. A contract of 1 year with NRC Research Press should be signed as the switch to Cambridge University Press is anticipated to start January 2012. S. Brooks and K. Floate will head negotiations with the new publisher.

## **TCE Editor Position**

R. Bennett has resigned as of September 2011 and recommended a minimal overlap of 3 months with the new Editor. P. Mason will investigate ways to have an Editor-in-Chief for 2 years with financial support for editorial activities to smooth the transition between NRC Research Press and Cambridge University Press.

## **Annual Meeting Committee**

The ESC accepted the ESO proposal to host the 2013 JAM in Guelph, Ontario, to celebrate the 150th anniversary of the ESC/ESO. To restore the east-west tradition for holding meetings, the ESC should ask to again defer the JAM meeting with SEQ to 2015 and ask the ESS to move to 2014.

The Chair B. Elliott proposed changes to the organizational structure of joint annual meetings. Three points were proposed:

1) The creation of a centralized registration system for the annual meeting

The Board approved and charged the incoming Treasurer S. Brooks to evaluate the possibility to have a bank account for the annual meeting.

2) The utilization of an ESC selected Scientific Program Chair

The Board did not approve this but recommended rather that a message be sent to each organizing committee to offer help for the scientific program from the Governing Board when needed and this request should pass through their regional directors. To facilitate the work of the Scientific Committee and reduce their work, the Board suggested passing over files regarding the JAM program to the next organizing committee.

3) The creation of a centralized Fund-Raising Committee for the annual meeting

The Board approved this recommendation and suggested that the Fund-Raising Committee be reactivated.

Respectfully submitted,

Martin Erlandson

ESS Regional Representative on ESC Governing Board