

The Entomological Society of Manitoba *Newsletter*



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About the ESM Newsletter

The Entomological Society of Manitoba Newsletter is published three times per year. It is a forum whereby information can be disseminated to Society members. As such, all members are encouraged to contribute often. The Newsletter is interested in opinions, short articles, news of research projects, meeting announcements, workshops, courses and other events, requests for materials or information, news of personnel or visiting scientists, literature reviews or announcements and anything that may be of interest to ESM members.

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Editors' Comments

This, the final issue of Volume 34, comes to you a little late, just after the New Year, and we wish you all a very happy one. In this issue we present you first with a **report from your new President**, Desiree Vanderwel as well as reports on the **ESC Meeting** in Saskatoon, and the **ESM Meeting** in Winnipeg.



We introduce you to a **new member** and graduate student, Anais Renaud, and provide some news about two **long time members**, JoAnne Buth and Roy Ellis. As a treat, for a cold afternoon or evening Marj Smith has produced another **crossword puzzle**. She promises to provide the solution to it in the next Newsletter, due out sometime in the spring. We hope you enjoy this issue of the Newsletter, and we look forward to “talking” to you again in the spring. Meanwhile, feel free to send us ideas for future items – Don’t forget: this is your Newsletter!

Pat MacKay & Mahmood Iranpour

PRESIDENT'S REPORT

By: Désirée Vanderwel

February in Manitoba. Can Life get any better than this? As my brother in Vancouver (BC) is complaining about mowing the lawn, and my parents in Arizona are complaining about the heat, the temperature here in Winnipeg is just right for going out to help to break a Guinness Book of World Record or two.

Robbin Lindsay chaired the Scientific Programme Committee for our Annual Meeting, held November 2-3, 2007. The timely theme “Arthropod Vectors of Plant & Animal Pathogens” allowed two interesting symposia with presentations by Michael Allen, Philip Curry, Nick Ogden and David Ragsdale, in addition to the submitted paper sessions. The meeting was well attended and seemed successful in every way: great work, Robbin!



As some of you already know, last December (2007) the Executive received the good news that the ESM would be receiving a cheque for a fairly substantial amount of money from the North Central Branch (NCB) of the Entomological Society of America (ESA). Apparently, at the recent ESA meeting in San Diego, the NCB decided to split the profits from the joint ESM-NCB-ESA held last year. The ESM Executive decided to use the money to further the interactions between the two societies, by sending four graduate students to the NCB-ESA meeting to be held in Columbus, Ohio, March 27-28, 2008. The four winners of the ESM Travel Grant Competition were Suresh Desai, Karen Hawkin, Sunday Oghiakhe, and Anaïs Renaud. Congratulations to all of you. The timeline for this entire process was very short: many thanks to Brent Elliott (who expedited the process with the NCB-ESA), Richard Westwood (Chair of the Scholarship Committee, which selected the winners), to the numerous referees (who provided valuable input at a busy time of year on extremely short notice), and to the graduate students themselves (who enthusiastically prepared excellent applications, on extremely short notice). As usual, I am more than impressed by how the members of this Society function so well as a team.

It may also be of interest to many of you that Cedric Gillot, Chair of the Heritage Committee of the Entomological Society of Canada (ESC), contacted me recently to seek the ESM's permission to scan the late Paul Riebert's "Entomologists of Manitoba" (which was published jointly by the ESC and the ESM) for inclusion on the ESC web site. These booklets are clearly of historical interest, so the ESM Executive decided in favour of allowing the ESC to proceed with this initiative.

Okay, okay, I confess: I PERSONALLY did not venture out to the Forks to help break any world records—it was too ccccold out there!!!! This west-coast gal ran out of anti-freeze proteins sometime early January. But Spring IS just around the corner, and soon our little friends WILL be flitting about.

Life is Good.

RECENT MEETINGS

ESC Annual Meeting, 29 September – 03 October 2007, Saskatoon Saskatchewan

Report by Pat MacKay, ESM's Regional Director for ESC

This year the Entomological Society of Canada met jointly with the Entomological Society of Saskatchewan in Saskatoon. It was a great meeting, on the theme of “Insects: Microscale Subjects for Megascale Research”; in a great venue, the Delta Bessborough Hotel, the traditional old railway hotel in downtown Saskatoon, on the banks of the South Saskatchewan River. Whenever the intellectual stimulation (or the food) got to be too much, you could just step out the door, and walk for kilometres along the river on wonderful trails and walkways.

The meeting started, at least for some of us, at 8:30 Saturday morning with the ESC Governing Board meeting. The big issues again this year continued to be those related to publications and communications: whether we can afford to continue publishing the journal as we do now, how and when we should get back issues digitized, etc. This year and next will be times of major change for the Society, as we deal with these sorts of issues and make the transition to some new personnel: Rick West, long-serving Secretary, and Barry Lyon, the Society's founding Webmaster, are both stepping down at the next annual meeting.

The Saturday Board Meeting lasted until well into the afternoon, meaning that none of us on the Board were able to take part in the first organized activity for the general membership: a tour of the Synchrotron at the Canadian Light Source research facility, on Saturday afternoon. This mammoth piece of equipment was part of the “Megascale” in the theme of the meeting and has some amazing capabilities that I, for one, have not yet come to grips with. Missing the tour was compensated for later in the meeting, at least in part, when I got to hear Helen Nichol, one of Sunday's plenary speakers describe its use.

The meeting got underway officially on Sunday morning, bright and early, at 8:30am (apparently some folks thought too early), with the opening ceremonies and the conferring of the Society's awards. The Hewitt Award went to Maya Evenden of the University of Alberta, and our incoming Second Vice President. The Gold Medal Winner this year was Cedric Gillott of the University of Saskatchewan, who took us through “Forty-odd years of Entomological Serendipity” in the Gold Medal Address. The rest of the morning was given over to the Plenary Session on the theme of the conference. Helen Nichol, from the University of Saskatchewan, spoke on “Casting New Light on Familiar

Insects”, describing the uses and usefulness of the Synchrotron. Roy E. Ritzmann of Case Western Reserve University spoke on “How do Insects and Insect Inspired Robots Deal with Barriers”.

Sunday afternoon and Monday morning were occupied by a total of four sessions and 41 oral papers in the President’s Prize competition. Four ESM members participated in the student paper competition: Rasoul Bahreini (supervisor: Rob Currie), Wolly Wijayaratne (supervisor: Paul Fields), Kate Bergen (supervisor: Neil Holliday), and Sunday Oghiakhe (supervisor: Neil Holliday).

The posters were also available for viewing from Sunday afternoon: eight of the 27 posters were also part of the President’s Prize competition. Three ESM student members participated in this session and the competition, including Ali Hosseini Gharalari (supervisor: Marj Smith), Paul Kozak (supervisor: Rob Currie), and Anais Renaud (supervisor: Rob Roughley). Terry Galloway was the only other ESM member with a poster at the meeting: he was third author on a poster about nasal mites of birds, along with two University of Alberta workers.

The scientific sessions also included three symposia. The symposium on “Dependence, Deception and Death: Insect-Microbe Interactions” consisted of five speakers. A second symposium “Tiny Brains, Big Ideas: Insects as Model Systems” had four speakers and a discussion session. The third symposium has become a standard part of the meeting in recent years: the Graduate Student Symposium allows students near the end of their program the opportunity to develop a more substantial presentation than the student paper competition permits. Students who present their work in the symposium usually get some minor financial assistance in addition to the prestige of participating. This year two ESM members were part of the Graduate Student Symposium, the theme of which was “Microscale Models Mirror Metacommunity Dynamics”. Lars Andreassen (supervisor: Neil Holliday) and Karen Hawkin (supervisor: Paul Fields) both gave excellent talks. The final component of the scientific sessions was the contributed papers, which consisted of 34 papers given over 3 sessions. Two ESM members participated in this part of the program: Marj Smith and Bob Lamb.

Of course socializing is always an important part of any meeting, and this one was no exception. Coffee breaks were half an hour long and well supplied with beverages and munchies, making for plenty of time and energy to renew old associations and form new ones. Sunday night brought the Mixer, and lots more good food and drink. Monday afternoon the organizers had arranged to move us all out to Wanuskewin, a park and museum on the edge of the city highlighting the natural environment and its aboriginal heritage. After a lovely walk, a lesson on tepee building and some time with the museum displays, we were fed again and then entertained by first, Peter Harris’ Heritage Lecture on weed biocontrol in Canada; and then by the annual business meeting of the ESC. To say that the first was substantially more interesting than the second would be a gross understatement. The final social event was of course the banquet, which was as interesting and well organized as the rest of the meeting. After dinner we were entertained with some wonderful photographs and stories of Saskatchewan by a local photographer. The Criddle Award was presented to Anna Leighton, a Saskatchewan

ethnobotanist with an interest in insects. Other prizes were also awarded, and the only one ESM members took home this year was one awarded to Bob Lamb and me, for being the very first people to register for the meeting, back in the summer sometime.

All in all, a great meeting!

ESM Annual Meeting, 02-03 November 2007, Winnipeg Manitoba

Report by Pat MacKay

The theme of the 63rd Annual Meeting of the Entomological Society of Manitoba, chaired by Robbin Lindsay, was “Arthropod Vectors of Plant and Animal Pathogens”. Robbin and his committee (Terry Galloway, Brent Elliott, Blaine Timlick, David Rosenberg, and Joel Gosselin) did a great job of organizing a stimulating and enjoyable two days. The venue has clearly settled into a new and efficient pattern. The first day, Friday, was at the Freshwater Institute, with Dave Rosenberg as host and trouble-shooter, and the second day, Saturday, in the Animal Science/Entomology building across the road at the U of M, managed by



Lars Andreassen receives the ESM Graduate Scholarship from ESM President Desiree Vanderwel.



Laura Woloshyn receives the ESM Student Achievement Award from ESM member and her professor, Terry Galloway, in class at U of Manitoba.

Terry Galloway. Joel Gosselin performed his usual magic as fund raiser, while Brent Elliott and Blaine Timlick, after their huge success at organizing the Joint Meeting of ESM and the North Central Branch of the ESA appeared to breeze through the arrangements. The symposium on the theme of the meeting was broken into two sections, with two speakers each morning. On Friday, urban forester and local Winnipeger Mike Allen talked about insect vectored tree diseases; while Phil Curry, entomologist and West Nile coordinator for Manitoba and Saskatchewan looked at the insect vectored West Nile virus. On Saturday, Nick Ogden, entomologist with the Public Health Agency of Canada in Ottawa, described Lyme disease, particularly in

relation to climate change; while Dave Ragsdale professor of entomology from the University of Minnesota dealt with the vector ecology of some of the potato viruses. It was an excellent series of talks looking at insects as vectors of disease, with lots of broad

interest, but lots of very local interest as well. In addition to the symposium, there were eleven submitted oral presentations and one poster presentation. Of the oral presentations, five were entered in the Student Paper Competition. The serious part of the meeting finished on Saturday after lunch with the Annual Business Meeting.

This year, the official social activities were reduced from two to one. There was no banquet on Friday night, however it has been reported that a number of registrants at the meeting did socialize that evening at a local watering hole.

The Meet-the-Speaker Mixer, traditionally held at Pat and Bob's, did proceed as usual



Jonathan Veillieux receives the Orkin/Swat Award from ESM President Desiree Vanderwel, with Kathy and Marcello Cano, both of Orkin/Swat Pest Control, in attendance.



Kate Bergen receives the prize for the Student Paper Competition from ESM President Desiree Vanderwel.

Jonathan is also an undergraduate in the Agroecology program. Finally, the winner of the Student Paper Competition was Kate Bergen, MSc student with Neil Holliday. Congratulations all!

The meeting was a great success again this year, with attendance holding its own when compared with recent years. Each session, both scientific and social, drew between 35 and 40 people. Even the business meeting was well above quorum. Society members may all pat themselves on the back, and then email or phone the Society's Executive and ask them what you can do to help in the coming year!

NEW MEMBERS



Anaïs Renaud arrived to Winnipeg in September 2007. A Francophone from Québec, she is a newcomer in our Anglophone culture. What brings her here? A Master's degree in Entomology at the University of Manitoba. Co-supervised by Rob Roughley (University of Manitoba) and Jade Savage (Bishop's University), she will study for a year in Winnipeg (MB) and a year in Sherbrooke (QC). Interested to know how climate changes will affect arctic insects, she is starting a project called *A Biodiversity Study of Arctic Diptera : Muscidae and Fanniidae of Churchill (MB)*. By this study, Anaïs wants to determine if the species richness and the abundance of muscid and fanniid flies of Churchill have changed in the past 40 years (the last inventory was done by Hockett in 1965). Supported by

the Northern Research Internship Program (NSERC), she spent three months of last summer collecting flies in the area of Churchill. She now has an enormous task of mounting and identifying 20 000 specimens!

In 2000, Anaïs became a Registered Nurse. She practiced her profession for 5 years in Québec and in Ontario before she went back to school. Passionate about the beauties of nature and curious about the mechanisms that govern ecosystems, she started a degree in Biology (Ecology) in 2004. She obtained her B.Sc. diploma from the *Université de Montréal* in April 2007. During her degree, she worked for Jacques Brodeur and studied the effect of the Lily leaf beetle (*Lilioceris lili*) on Québec and Ontario native lilies, as well as the effect of soybean aphids on soybean cultures.



Preoccupied by the future of our environment, Anaïs was an active member of the Environmental Committee of the *Université de Montréal* for the time of her bachelor degree. She was coordinating a project that had the goal to reduce the use of paper on the campus. She persuaded the administration of the University to change all the photocopiers to others that would do double-sided copying. She also conceived and established a process that gives students and employees of the University the possibility of making compost. Furthermore, during her third year of university she was active in her Biology Student Association for which she was the Environmental Coordinator. Last April her involvement was rewarded, when she won two competitions offered by the administration of the *Université de Montréal*.

MEMBER NEWS

Reported by Pat MacKay

JoAnne Buth and Roy Ellis

Last summer long-time ESM member Roy Ellis sent us the following in an email:

“JoAnne Buth is the new President of the Canola Council of Canada.

Winnipeg, July 4, 2007: JoAnne Buth has been chosen as the new President of the Canola Council of Canada, replacing Barbara Isman who is joining Canadian Bioenergy Corporation in Vancouver. JoAnne's appointment is effective July 23, 2007.

Stewart Gilroy, an Alberta canola grower and Chairman of the Council's Board of Directors, says "JoAnne's strong commitment to the canola industry and her years of experience in the agriculture industry make her especially suitable for the position".

JoAnne has worked in research, extension, communications and management for both the public and private sector. She has been with the Canola Council of Canada for the past eight years as the

Vice-President of Crop Production and Biotechnology. JoAnne holds a Bachelor's degree from the University of Winnipeg and a Master's degree from the University of Manitoba.”



JoAnne Buth and Roy Ellis at their art show in the Golden Prairie Arts Council Gallery in Carman, Manitoba.

Then in early October, the poster part of which is shown here, arrived from the Golden Prairie Arts Council in Carman. The photograph on the poster is one of Roy's. The show of Roy's and JoAnne's work ran from October 02 to November 02 and included photographs by Roy and photographs and paintings (in watercolour and acrylic, and on silk) by JoAnne. Bob Lamb and I attended the open house at the Council's gallery, along with lots of Roy and JoAnne's other friends and colleagues, including a number of other entomologists. Their works were all stunning. Unfortunately none were for sale. It made us wonder where people get the time, never mind the talent. Well done JoAnne and Roy, on all fronts.

Selected Artwork of **Roy Ellis and
JoAnne Buth**
“Bugs and Blooms”



Part of the poster announcing Roy and JoAnne's art show. The photograph is one of Roy's.

MEETING ANNOUNCEMENTS*

International Congress of Entomology

Durban, South Africa, 06-12 July, 2008

www.ice2008.org.za

XLI Annual Meeting of the Society for Invertebrate Pathology

Warwick United Kingdom, 3-8 August 2008

<http://www.sipweb.org/meetings.cfm>

Joint Annual Meeting of the Entomological Societies of Canada and Ontario

Ottawa, ON, 18-22 October 2008

<http://esc-sec.org/agm.htm>

3rd International Symposium on Biological Control

Christchurch New Zealand, 8-13 February 2009

<http://www.isbca09.com/>

Joint Annual Meeting of the Entomological Societies of Canada and Manitoba

Winnipeg, MB, 18-21 October 2009

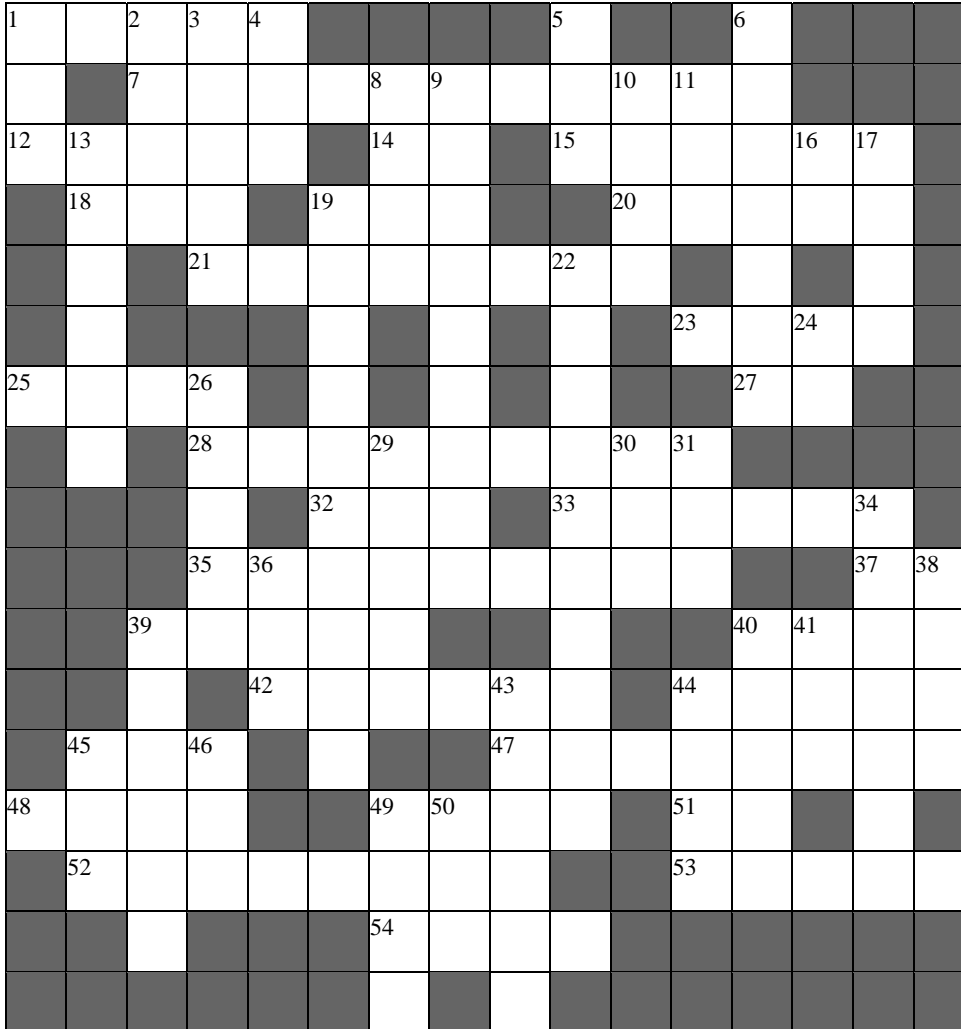
Contact: Brent Elliott, Brent.Elliott@gov.mb.ca

*If you have a meeting you would like listed in the next ESM Newsletter, contact the editors with the details by March 2008

This Crossword is Bugged

The theme of this crossword puzzle is **common names of insects**, so you will find lots of them here, and they may apply to various types of taxa from families to species. Enjoy – answer in next newsletter issue!

- Marj Smith



ACROSS:

1. Fungus ____; Mycetophilidae
7. It plagued prairie settlers' crops
12. ____ bee; halictid attracted to perspiration
14. Opposite of "from"
15. Debates (with); reasons contentiously
18. Venomous snake of North Africa

19. Move fast on foot
20. Eliminate undigested material from the gut
21. Member of Plecoptera
23. ____ beetle; it cleans up after the elephants
25. Member of Siphonaptera
27. Ready, set, ____!

28. Odonate that folds its wings when at rest
32. You can get some on tap at the pub
33. A blind-end sac or tube-like structure
35. Hemipteran pests of alfalfa, canola, sunflowers and vegetables (2 wds.)
37. Busy ____ a bee
39. Egg, larva, or pupa, for example
40. Piece of window glass
42. Having a humble estimate of one's merits
44. "Haste makes ____."
45. Apprehend; arrest
47. Pest of legume crops that's born pregnant (2 wds.)
48. ____ ant; imported insect with a painful sting
49. Wild animal's den
51. Standard error (abbrev.)
52. ____ beetles; like to eat 47 across, and overwinter as adults in aggregations
53. Squeeze or flattten something with a weight
54. Wheat ____ sawfly, prairie crop pest

DOWN:

1. Neon or CO₂ at 20° C
2. Some data on census forms
3. Light and pitfall, for example
4. Occupied a chair
5. Curative mineral spring
6. Member of the Hemiptera (2 wds.)
8. Knock senseless
9. We consume the food they make for themselves (2 wds.)

10. Many other small insects, to a carabid
11. A female insect produces it
13. ____ fly; dipteran endoparasite of cattle that develops under the skin
16. Chemical symbol for einsteinium
17. ____ beetles; Lucanidae
19. Cabbage ____ ____; dipteran pest of cruciferous crops (2 wds.)
22. ____ bees; important for pollinating seed alfalfa
24. Mom's answer to "Can I eat dessert first?"
26. Insect stage that reproduces
29. Swung around on a pivot
30. Fall behind
31. Mom's answer to "Would you like a day off?"
34. The only insects that can look over their "shoulders"
36. Sweet potato
38. Sunflower ____ weevil
39. Coleopteran considered sacred in ancient Egypt
40. ____ wasp; Polistinae
41. Emerald ____ borer
43. ____ beetle; attacks museum collections and eats stored grain and rodent droppings
44. It might be a parasitoid or build a nest or dig a burrow
45. "Nothing" in a soccer score
46. ____ bug; you wouldn't like to sleep with it
49. Lean over to one side, as a ship
50. It's often found in a gallery

ESM EXECUTIVE 2007

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