

The Entomological Society of Manitoba *Newsletter*



Volume 41 Number 2

ISSN 0836-5830

Autumn/Winter 2014-2015

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

The weather this week (early March) is teasing us with a promise of a “normal” spring. I’m sure all of you are hoping for just the right combination of warmth, moisture and soil conditions for field work. Or if your field season mainly involves collecting arthropods for later examination, you’ll be hoping for conditions that will ensure an abundance of specimens, some of which will end up in your traps/nets at the right time. For some of us, of course, most of the “field” work will consist of gardening, hiking, admiring other people’s gardens, etc.



The Society had a very interesting and well-attended Annual Scientific Meeting this past autumn. There are articles inside summarizing the events, beginning with the President’s message from our new president, Richard Westwood, who also introduces himself and some of the Society’s plans for 2015. In addition, there is news from the Regional Director to the ESC, and Obituaries for Maurice Tauber and Lloyd Dossdall.

Marjorie Smith & Jordan Bannerman

From the President

It is a pleasure to once again serve as the President of the Entomology Society of Manitoba. This is my second opportunity to sit in the President's chair, with my previous term occurring in the last century! As with many small non-profit organizations the efforts of its dedicated members are the key to long lasting success and accomplishment. I have noticed over the years that many members of the ESM wear different "hats" from time to time and volunteer for a wide range of responsibilities within the society. I have also noticed a gradual influx of newer (and younger!) members becoming more involved in our activities which bodes well for the future.

Since I was a student member of the ESM (again in the last century!) I have seen continuing challenges to keep organizations such as ESM relevant due to dwindling membership, fewer job opportunities in entomology and allied fields, changing demographics and changes in provincial and national research priorities which either directly or indirectly impact our membership. Despite these challenges I feel the society is just as vibrant and meaningful to me now as it was when I was a student. At our last scientific meeting (the 70th Annual meeting) in November 2014 there were 20 submitted papers, 5 symposium presentations, the keynote address and 4 posters. The range of entomological expertise and areas of interest were very broad and the meeting was well attended. The success of our annual meetings and other initiatives is a testament to the hard work and keen interest our membership have in keeping the ESM front and center for those interested in entomology in Manitoba. I am especially impressed with the level of participation by student members in many facets of the society's activities and encourage student members to remain members of the ESM no matter where their careers take them.

The executive has met recently for our first session of the 2014/15 year. We have a number of activities to consider including initial planning for the 2015 Scientific Program and meeting, continued planning for the 2017 JAM ESM/ESC in Manitoba and several items that were discussed during the last annual business meeting. These items include possible changes to our by-laws to allow options for electronic voting in future and an examination of the current status of our Scholarships and Award program for future growth. I look forward to working with our executive and membership on these activities over the next year.

Richard Westwood, President
Entomological Society of Manitoba



Richard checking a trap during a moth diversity study in Sandilands Provincial Forest.

The 70th Annual Scientific Meeting of the ESM

The 70th Annual Scientific Meeting of the Entomological Society of Manitoba was enjoyable, scientifically stimulating and well attended by 63 participants. It was held at the Freshwater Institute on Friday, 31 October and the Department of Entomology at the University of Manitoba on Saturday, 1 November 2014. The meeting's theme was "Veterinary & Medical Entomology: Can History Predict the Future?". One impetus for organizing a scientific session around this theme was the retirement of Dr. Terry Galloway from full-time academic duties as a professor in the Department of Entomology at the University of Manitoba. This subject has not been highlighted for a number of years and so this was a good opportunity, but more importantly, Terry's position in the sub-discipline made it very easy to secure a number of his colleagues from across Canada and the United States to participate in the symposium because of the regard in which Terry is held.

The meeting opened on Friday morning with the keynote address, "Advances in tick paralysis", given by Dr. Tim Lysyk, setting the tone for the theme of the meeting. Tim is a retired scientist who researched medical and veterinary entomology for more than two decades at Agriculture and Agri-Food Canada in Lethbridge, Alberta. Participation in the oral presentations and posters was high, with a total of 4 posters and 20 oral papers (12 entered in the student paper competition) which were presented for the rest of Friday. Aldo Rios-Martinez, an MSc student with Dr. Alejandro Costamagna at the University of Manitoba, won the student paper competition for his paper "Contribution of soybean aphid alates to colony fitness under predation".



Robbin Lindsay presenting Aldo Rios-Martinez with his Student Paper Prize at the Meet-the-Speakers Mixer.



Reiny Brust, former Entomology Department Professor, with Terry Galloway at the Meet-the-Speakers Mixer.

On Saturday morning, a symposium of five invited speakers continued the meeting's theme with "Veterinary and Medical Entomology in Canada: Honouring Terry Galloway. Dr. Kateryn Rochon of the Department of Entomology, U of MB, led off with "A Tribute to Terry Galloway; Mentor of Many". Then Dr. Steve Schofield of the Communicable Disease Control Program, Department of National Defence, considered the role of entomology in the military, Dr. Jefferson Vaughan, University of North Dakota discussed mosquitos south of the border, and Dr. Robbin Lindsay, National Microbiology Laboratory in Winnipeg, talked about emerging arthropod-borne threats in Canada. Dr. Terry Galloway wrapped up the session by discussing patterns and processes in veterinary entomology in western Canada.

In the afternoon the Annual General Business Meeting was held. This year's Scientific Meeting was well attended by 23 students and 40 regular members. Sponsors of the meeting were very generous as in previous years, providing \$1,606 in donations, thanks to our dedicated Fundraising Committee Chair, Joel Gosselin. Registrations provided an additional \$775 in revenue.

On Friday evening, Randy Gadawski of the Canadian Centre for Mosquito Management, hosted a dinner for the symposium speakers and scientific program committee. On Saturday evening, Bob Lamb and Pat MacKay again generously welcomed entomologists and friends into their home for the annual "Meet-the-Speakers Mixer" to share conversation and refreshments.

The Scientific Programme Committee would like to thank the numerous volunteers who helped the meeting run smoothly, including Lisa Capar and Matt Yunik who took care of refreshments and Ian Wise who organized registrations. Special thanks to Cherly Podemski of the Freshwater Institute for taking care of booking the room and ensuring the room was set up for us. And, of course, thanks to all of you who attended.

Rob Anderson, Committee Chair
Paul Fields, Past Chair
Robbin Lindsay
Kateryn Rochon

ESM Student Awards, 2014: And The Winners Are...

The Entomological Society of Manitoba Student Awards were presented at the Meet-the-Speakers Mixer on 1 November 2014. Dr. Richard Westwood, professor at the University of Winnipeg and newly installed President of the ESM, presented the awards.



The winner of the **ESM Student Achievement Award** was **Melanie Scallion**. Melanie developed her interest in entomology through her experience as an undergraduate researcher in several laboratories of the Department of Entomology at the University of Manitoba. While working in Dr. Barb Sharanowksi's lab, Melanie investigated the taxonomy of some parasitic wasps, and presented some of her research at the ESM Scientific Meeting and at the ESC-ESS Joint Meeting in Saskatoon last October.

The **Orkin Award** was won by **Amber Bass**, an undergraduate student who has been enrolled in the entomology minor program at the University of Manitoba. In the Department of Entomology, Amber has worked on the Bugline insect identification service and volunteered to provide supervision to visiting high school students learning about entomology. She presented her research on an interactive identification key for the insect pest of canola at the ESM Scientific Meeting.



Due to the unusually large number of applicants, **ESM Graduate Scholarships** were awarded to two students, who were considered similarly deserving: **Ishan Samaranayake** and **Udari Wanigasekara**, both in the Department of Entomology at the University of Manitoba.



Ishan is enrolled as an MSc candidate and is being supervised by Dr. Alejandro Costamagna. Ishan's research examines the effects of soybean aphids on yield loss in soybeans in North America. At the ESM Scientific Meeting, he presented research on the biological control of soybean aphid in a gradient of agricultural landscapes.

Udari is enrolled as a PhD candidate and is being supervised by Dr. Barbara Sharanowski. Udari's PhD research examines the role parasitoids play in regulating cutworm populations in the Prairie Provinces with a focus of cutworms feeding canola. At the ESM Scientific Meeting, she presented research on the parasitoid community associated with economically important cutworms in Canada.



News from the Regional Director of the Entomological Society of Canada

By Kateryn Rochon, past Regional Director

Lots of things happening at the ESC!

But first things first. Barb Sharanowski was elected Regional Director to the ESC during the 2014 ESM elections and she now represents the ESM on the ESC Board of Directors.

The 2014-2015 ESC Executive is as follows:

President	Staffan Lindgren (UNBC),
1 st Vice-President	Terry Wheeler (McGill),
2 nd Vice-President	Neil Holliday (Manitoba), and
Past President	Rebecca Hallett (Guelph).

Now for the big news: the ESC has made some major changes in management and operations, resulting in headquarters now being located in Winnipeg! Yes, you read that right: the ESC office is now located on Broadway Avenue, right in downtown Winnipeg. The Society has entered a contract with Strauss Event & Association Management, an association management company that will not only be taking care of day-to-day operations but will also facilitate the organization of annual meetings with regional Societies.

With the New Year comes membership renewals. If you have not yet done so, it is now possible to renew your ESC membership: the process is all electronic as of this year. You can find the pertinent information at on the ESC website www.esc-sec.ca (there are convenient links for renewals and new applications at the top right corner of the page). The ESC wants to make sure students who have joined during their program can retain the benefits of membership after they graduate. To this effect, recent graduates now benefit from the “Early Professional” membership category and get a 25% discount on regular membership fees for three years after the completion of their highest degree. Not a member yet? There’s no better time to join, now that the ESC had moved to Manitoba! You can find all the relevant information on the ESC website.

The next ESC annual meeting will be a joint meeting with the Société d’Entomologie du Québec, at the Marriott Hotel in Montreal on 8-11 November 2015.

IN MEMORY

Maurice Tauber, 1931-2014

Long-time member of the ESM, Maurice Tauber, died on October 6, 2014, at the age of 82. Maurice grew up in Winnipeg and attended the University of Manitoba. In 1959, after studying under the supervision of Dr. A. Thorsteinson, he earned his MSc degree. Maurice then moved south to California, receiving a PhD from the University of California, Berkeley in 1966. He met and married his wife, Catherine, at Berkeley, where, as graduate students, they began scientific collaborations lasting a lifetime.

Their research yielded fundamental insights into insect photoperiodism, dormancy, development, and speciation. The findings have a broad impact on applied problems, for example in the management of diverse crop production systems and natural ecosystems.

Maurice was a faculty member at Cornell University in Ithaca, New York, from 1966 to 2000. He taught undergraduate and graduate courses in entomology, and served as Chair of the Department of Entomology from 1981 to 1986. His research focused on insect behavior and the biological control of insect pests, with emphasis on experimental studies of insect seasonal cycles. He wrote a textbook, *Seasonal Adaptations of Insects* (1986, co-authored with his wife and Dr. Sinzo Masaki of Japan), a book familiar to students and researchers studying aspects of insect seasonality.

After retiring from Cornell in 2000, Maurice and Catherine moved to California where they maintained their scientific activity in association with the University of California at Davis. In addition, Maurice continued to advise graduate and undergraduate students in an informal capacity. Among students, colleagues, and family, Maurice was known for his dedication to education; his broad perspective and high standards in scientific work and other activities; his enthusiastic mentoring and support of students and young faculty; and his keen sense of humor.

Lloyd Dosedall, 1952-2014

Lloyd Dosedall, former ESM member, died of cancer on 12 June 2014 in Sherwood Park, Alberta. Lloyd grew up in eastern Saskatchewan, and early on was fascinated by insects and their diversity. He studied at the University of Saskatchewan, Saskatoon, where he earned his BSc, BEd and MSc in Entomology.

After teaching for six years in Allan, Sask., he returned to the University of Saskatchewan where he completed his PhD in 1987. Lloyd spent the next two years researching non-chemical methods to control blackflies and mosquitoes at the Canada Biting Fly Centre, established by Dr. Mary Galloway, at the University of Manitoba's Department of Entomology. In 1989 he moved to Alberta, working first for the Alberta Environmental Centre/Alberta Research Council in Vegreville, then as a Professor at the University of Alberta's Department of Agricultural, Food and Nutritional Science.

Lloyd's research focused on field crop entomology, principally pest management in canola. His work looked at integrated pest management strategies for canola and other crops, including the use of parasitoids as biological controls, cultural practices such as adjusting plant densities or tillage practices, and the role of host plant nutrition. A few of the species he studied were Diamondback Moth, *Delia* spp., Cabbage Seedpod Weevil and their parasitoids and predators. Lloyd earned an international reputation and several prestigious awards for his contributions to crop production and the environment.

MEETING ANNOUNCEMENTS*

Annual Meeting of the North Central Branch of the Entomological Society of America
Manhattan, Kansas, May 31-June 3, 2015.

XXV International Congress of Entomology
Entomology without Borders
Orlando, Florida, 25-30 September 2016

Fourth International Entomophagous Insects Conference (IEIC4)
Fundamental and applied topics related to arthropod natural enemies
Torre del Mar, Spain, 4-9 October 2015
Webpage: <http://www.ihsm.uma-csic.es/IEIC4/index.html>

Joint Annual Meeting of the Entomological Societies of Canada and Québec
Entomology in the Anthropocene
Marriott Hotel, Montreal, 8 November - 11 November 2015

63rd Annual Meeting of the Entomological Society of America
Entomology 2015 - Synergy in Science: Partnering for Solutions
The Entomological Society of America will co-locate their Annual Meeting with
the American Society of Agronomy, the Crop Science Society of America,
and the Soil Science Society of America.
Minneapolis, Minnesota, November 15-18, 2015.

*If you have a meeting you would like listed in the next ESM Newsletter, contact Marj Smith or Jordan Bannerman with the details by 29 May 2015.

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