

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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This, the first issue of Volume 35, comes to you a while after spring has morphed into summer, and by now you are all no doubt busy in the field, or trying to



squeeze in some holidays. May you have success at both activities. This issue carries items related to two sad entomologically-connected events: the funerals of Bill Turnock and Cam Jay. Included are **Bob Bilodeau's Eulogy for Bill**, and **Don Dixon's Eulogy for Cam**. These two long-time members of ESM will be sorely missed. On a brighter note, Bob Wrigley provides a report on the new **Encyclopedia of Manitoba**, and your editors provide a report on this year's **NCB-ESA Meeting** in Columbus Ohio. Marj Smith has provided the solution to the **crossword puzzle** in the previous issue. Included in this issue as usual are a list of **upcoming meetings**, and a list of the **officers of your Society**. Mailed to you with this issue is copy of the most recent **List of ESM Members**. We hope you enjoy this issue of the Newsletter, and we look forward to "talking" to you again in the fall. 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

June 2008

Summer has arrived. It is great to have so many of our 6-legged friends back. Okay, as a wimpy chemist I confess that I could do with fewer of the flying-buzzing-biting kind on insect, but I know that this is the wrong audience to complain to. I have received many calls from people inquiring about cankerworms, mosquitoes, and bees: I can only imagine how busy those of you who actually know something about them must be!!!

I know that many of us were saddened by the deaths of Bill Turnock and Cam Jay recently. Professor Cam Jay's passing this spring was sudden. I did not know him as well as many of you, but he did touch my life. As most of you may know, my husband Rob Currie was one of Dr. Jay's graduate students. When Rob and I first moved back to Manitoba in August, 1991, Cam and his wonderful wife Doreen had a large dinner party (about 100 people, entomologists and friends) at "The Shamba", out in Starbuck. This was truly my first taste of prairie hospitality: everyone was so sincerely kind and welcoming. Over the years, I would see Cam every so often, and he would always have a funny story to tell (how many times have we heard that pizza-delivery story? I don't know why, but it was funnier every time he told it). I loved listening to Cam's stories, but I also enjoyed our quiet conversations. He would also make a point of asking how I was, how work was going, and he would take the time to bestow an encouraging word or some good advice. Professor Jay was an amazing man.



Society business has been quiet for me for the past few months, but the Scientific Programme Committee has been planning what looks to be an excellent meeting for next November. Mark your calendars now, so that you can keep the dates free!!! The committee is chaired by Mahmood Iranpour, and includes Pat MacKay, Robbin Lindsay, Taz Stuart, Brent Elliot, and Dave Rosenberg. This year the theme will likely be along the lines of "Outbreak species of insect pests: Present situation and future prospects", with part of the focus on bark beetles and forestry, and part of the focus on agricultural pests. I personally find bark beetles fascinating, so I am very much looking forward to this meeting.

I hope you have a wonderful summer, and I look forward to seeing many of you at the meeting.

MEMBER NEWS

Long-time ESM member Bill Turnock died, after an illness, on April 05, 2008. Bob Bilodeau, his colleague and technician for many years, gave the eulogy.

Eulogy for William James (Bill) Turnock 1929-2008

Delivered by Bob Bilodeau

19 April 2008

From day one, Bill's vibrant personality and vast knowledge of science and the environment made a lasting impression. In short, he got the 'big picture' and had a good understanding of how the pieces of the puzzle fit together. As an entomologist, Bill studied many insect species throughout his career, but he was somewhat partial to the beetles, especially predators like the ladybeetles and carabids, possibly because he was an excellent hunter himself, but he also had a fondness for bumblebees.



Bill loved field trips, regardless of the weather or the physical demands of the work. He could be up to his knees in a forest bog or digging in a hot, dusty field; in either case he relished the 'hands on' aspect of his work. He enjoyed meeting and discussing his research with farmers and appreciated their input and suggestions. After a full day in the field, Bill delighted in trying to find a good restaurant, not necessarily the *best* as long as they served a good bowl of soup. Bill was a soup connoisseur and his rating of 'superb' spoke for itself.

Bill was born and grew up in Winnipeg, where he received his BSc Agriculture from the University of Manitoba in 1949. His MSc in Entomology and Forestry in 1951 and his PhD in Plant and Animal Ecology in 1959 were both from the University of Minnesota. He began his career with the Canada Department of Forestry in 1949 and became part of a group based in the Whiteshell, a provincial park east of Winnipeg, studying population dynamics and biological control of forest insects with special emphasis on the larch sawfly. Over the years vast amounts of data were collected and analyzed, so much so that years later Bill still had reams of data to analyze and re-analyze, a task he loved.

Bill could quickly adapt to take advantage of nature's unpredictability. After a very strong overnight windstorm in the Whiteshell, he decided early next morning to see how many larch sawfly larvae had fallen to the ground. Some measuring jigs of various sizes were quickly assembled and off he and I went to the tamarack bog to count sawfly larvae and add another piece of data to the puzzle.

Bill's research in forest ecology continued until 1970, when he and the majority of researchers and support staff were transferred to various locations across Canada, after the closing of the Canada Department of Forestry Lab in Winnipeg. Bill became Science Advisor to the Ministry of State for Science and Technology, and he and his young family moved to Ottawa. In 1972, Bill made the transition from Science Advisor to agricultural research, specifically integrated pest management which was his primary interest. He was to head up a new section at Agriculture Canada in Winnipeg concerned with insect pests attacking canola, which at that time was the newest and hottest crop on the market. Insects such as the bertha armyworm, flea beetles, red turnip beetle, lygus bugs and diamondback moth were all eventually studied. Known as the Integrated Pest Control Section, Bill had upwards of a dozen entomologists and a similar number of support staff under his leadership. As a result of the work of Bill's group, canola farmers today better understand the benefits of monitoring their crops for insect pests, and have control methods that are appropriate and effective. Interspersed in his long career, Bill and his family enjoyed two sabbaticals: the Netherlands in 1966-67 and Great Britain in 1983-84. As a result of his broad experience in the natural sciences and environment, he was asked to lead or be part of Canadian missions to the USSR, Brazil, China, and the UNESCO programs: Man and the Biosphere and the Conference on Economic Development and Human Survival: <http://www.unesco.org/mab/mabProg.shtml> .

Bill's acute curiosity about natural phenomena, particularly insect behaviour often led to some interesting unofficial research. On one of our field trips returning from Swan River, Manitoba, Bill and I stopped at a place along Lake Manitoba called Lily Bay. It was a beautiful fall day, sunny and warm, the lake was like glass. Upon reaching the lakeshore, the sight that met our eyes was astonishing. The rocks, driftwood and other debris were covered with millions of ladybeetles and more were slowly floating in. While my attention was on taking a few pictures and skipping stones across the water, Bill's attention was focused on jotting down notes and posing the question 'Why are they here?' It wasn't long before we were off to the University of Manitoba Field Station at Delta Beach, Lake Manitoba, to count and identify ladybeetles and the unofficial field study began. Several years and numerous trips later the simple answer to the question was that the beetles were attempting to reach the berm high above the beach and over-winter in the heavy vegetation.

As part of Bill's dedication to his profession, he served as President of the Entomological Society of Manitoba (1969) and the Entomological Society of Canada (1980). In recognition of his contributions to entomology and his work within the Entomological Society of Canada (ESC) he was made a Fellow of the ESC in 1983. He was a member of the Manitoba Environmental Council from 1973-2000, serving as chair for six years offering expert advice on controversial issues such as mosquito abatement, Dutch elm disease and the hog-processing industry. In keeping with his passion for gardening, Bill

began volunteering in 1997 on the Prairie Garden Committee and participated in the publication of *The Prairie Garden* <http://www.theprairiegarden.ca/index.html> . He was also an enthusiastic member of the Friends of the Field Station at Delta Beach. In a remarkable career spanning 44 years, Bill published over 80 refereed scientific papers, as well as numerous notes, extension articles and press releases. Although he officially retired from government service in 1993, retirement from research was the last thing on his mind and he continued to analyze data and published an additional 17 scientific papers. During official retirement he continued an active interest in insect cold-hardiness that captured his attention late in his working career, keeping up on the literature, and contributing to international meetings on the topic. In August 2003, he presented the paper “How did cold hardiness evolve in insects?” at TEMP 2003 – International Symposium on Animal and Plant Cold Hardiness, in the Czech Republic. His last paper on this topic was a review with data taken from over 100 papers (Turnock, WJ, Fields, PG. 2005. Winter climates and coldhardiness in terrestrial insects. *Eur. J. Entomol.* 102: 561–576): http://www.eje.cz/pdfarticles/1037/eje_102_4_561_Turnock.pdf . His last scientific publication came in July 2007: W.J. Turnock, P.G. Kevan, T.M. Laverty, L. Dumouchel. Abundance and species of bumble bees (Hymenoptera: Apoidea: Bombinae) in fields of canola, *Brassica rapa* L., in Manitoba: an 8-year record. *Journal of the Entomological Society of Ontario* 137: 31-40: http://www.entsocont.com/JESO/137_31-40.pdf

At the end Bill accepted the hand he was dealt without complaint or malice. He died of lymphoma on April 5, 2008. Bill loved his work and left us all with memories of good times and a job well done.

Bob Bilodeau
who had the pleasure of working with Bill Turnock for almost 25 years.

Long-time ESM member Cam Jay died suddenly on April 28, 2008. Don Dixon, at one time a student with Cam and for many years a colleague and friend, gave the eulogy.

**Eulogy for Dr. Cameron Stanley Jay
(1929-2008)**

Delivered by Don Dixon

May 1, 2008

Doreen, Maureen, Marlene and Don, Corine and Murray – Robert, Brittany, Curtis, Kirsten, Rachel and Zoe, Maxine, Jim and Casandra. And, friends of Cam.

As I’m sure all of you have, I have spent much time over the last week thinking about Cam – his many accomplishments in so many diverse areas of life, as well as the many personal experiences that I had the pleasure of enjoying with him. If there is one overriding characteristic that really defines Cam, I think it was that he genuinely enjoyed

people. He was a profoundly social person who loved to meet and interact with people. He had a real interest in everyone he met, regardless of their background, age or position in society. I don't think there was anything Cam enjoyed more than to hear and exchange stories with both new acquaintances and old friends and family members.

Cam's genuine openness and friendliness with all, often acted as a reassuring counterbalance to his sometimes quirky sense of humour and mischievous nature. Cam had a reputation for telling very corny jokes. For those people that didn't know Cam well, coming from such an important and intelligent person – a university professor no less, these corny jokes were often a little surprising and perplexing. But for those of us who knew him well, meaning we were used to his corny jokes, Cam's sense of humour was an endearing and familiar aspect of his character that we came to enjoy and expect.

I have been trying to remember some of those jokes but frankly that has been difficult – corny jokes tend not to be very memorable! However there is one that I remember because it was told at my expense and it was told many times. When Cam and I traveled to meetings we often roomed together. During the meeting when Cam was introduced to make his presentation he would often begin by informing everyone that he was rooming with Don Dixon and that Don was a terribly loud snorer. This, of course, was not true but that didn't matter to Cam. He then went on to describe his method for preventing snoring by the person in the next bed. He would describe how, as soon as the lights were turned out, he would quietly get out of bed, sneak over to the other bed and give Don a big kiss. According to him, this would be so alarming to Don that he would not be able to sleep all night and thus not snore. Cam, on the other hand, would have a pleasant, undisturbed sleep. The telling of this story became repeated so often that people came to expect it as part of his presentation. I suspect that many of you have heard this story several times. In addition, Cam often told this story with such gravity and seriousness that I think some people who didn't know him found it rather disturbing.

Cam loved to be mischievous with both friends and strangers. There are so many examples of Cam's mischievousness that one hardly knows where to begin. One that comes to mind was his habit of carrying an empty pizza box in his airplane when he flew during the winter. He would often fly north to Lake Manitoba and when he encountered a group of ice fishing huts on the lake he would circle the huts a few times to get their attention and then land the plane on the ice close to the huts. The people in the huts would come out to meet this person descending from his aircraft and Cam would, of course, get out with the pizza box and ask, "Who ordered the pizza?" Cam thought this was enormously funny and a great way to meet strangers in the middle of nowhere.

As seems to be the case with many entomologists, Cam could be a very frugal person and in fact took some pride in his bargain hunting skills. I remember one time we had traveled to Saskatoon to attend a meeting and one evening we were out for a walk and found the local, and storied, Army, Navy Surplus Store. Cam loved the old Army, Navy Surplus stores. We each went our separate ways inside the store and after a few minutes Cam found me and proudly produced the most deplorable looking polyester sport coat that he said was on sale for \$2.50. I didn't normally consider it my place to comment on Cam's fashion choices – after all he was a university professor with a tradition of dress to uphold. But in this case, this sport jacket was so ugly and inappropriate that I couldn't

hold back and so I simply said, “You can’t by that”. He was shocked and said. “Why not – it only costs \$2.50 and I was thinking of buying two”. He even suggested that I should buy one. I told him that in my opinion they were not fit to be worn in public. I think he was genuinely hurt and eventually did buy one of the jackets, without further input from me. I’m sorry Doreen but I did do my best to prevent him from bringing that jacket home!

Cam was a natural communicator and a great teacher. Although he made it look effortless, he always took his teaching responsibilities very seriously. He worried about his lectures and spent endless hours preparing his talks and his course material. Because of his tremendous communication and teaching skills and the practicality of his information he was always in high demand throughout North America and overseas at academic meetings as well as agricultural producer meetings and particularly beekeeper meetings. His teaching methods were used as a model by many of his students who developed successful professional careers in agricultural research and extension. Cam received many awards of achievement and appreciation from professional colleagues, academic and teaching institutions and beekeeper associations throughout North America and internationally. The list of these awards is too lengthy to even begin to site. The beekeepers of Canada and particularly of Manitoba had a great fondness and respect for Cam.

Cam had a great appreciation of the natural world. He conveyed his appreciation and fascination with biology to his students through his passion for entomology and particularly apiculture. But his love of nature extended to all regions off Manitoba and beyond. Cam would often pause in the middle of an outdoor activity to take note of the beauty and the diversity of colours that surrounded him. His love of nature was, no doubt, an important part of the reason he enjoyed flying so much.

Cam was a man of great intelligence, advanced education and position and extraordinary life experience. However, even with all of this Cam always carried his many accomplishments with grace and modesty. His substantial professional stature and reputation could sometimes be intimidating for some people, but Cam never used this to his advantage and in fact would go out of his way to make everyone he met feel comfortable and at ease. He had a great skill at doing this with people he was meeting for the first time.

As one of Cam’s former undergraduate and graduate students I can attest to his professionalism and generosity as a professor and advisor. Cam’s insight and wisdom was recognized and appreciated by his students, many of whom went on to accept difficult and challenging positions in research, government and apiculture extension. These individuals kept returning to Cam for his insight and counsel long after they had taken professional positions and Cam had retired. Cam was a man of unassailable principle and great integrity.

Throughout Cam’s life he had enormous passion and energy for his many interests. After retiring from active teaching and research he threw himself into numerous activities including the tree farm at Starbuck and of course his flying. He also became very involved with numerous non-profit and charitable organizations including; the Boy

Scouts of Canada, the Canadian Cancer Society, Harvest Food Bank, Habitat for Humanity, the Winnipeg Cheer Board and Lyncrest Airport. It was just less than two years ago that Cam purchased an open cockpit bi-plane in eastern Ontario and with great adventure flew it back to Winnipeg, thus fulfilling a lifelong dream.

Cam was a terrific friend to many but most importantly he had a great love for his family. He was a very proud husband to Doreen, his wife of 55 years, a father to his four children and grandfather to his six grandchildren. Cam was always well supplied with the most recent photos of his grandchildren, which he proudly shared at every opportunity. He truly loved his family very much.

It is indeed our loss that Cam is no longer with us to share his insight, his energy, his knowledge and perhaps most importantly his good spirit and great sense of fun.

I would like to end by reading his favorite poem – about flying of course.

High Flight

By John G Magee Jr. (1922-1941)

Oh! I have slipped the surly bonds of Earth
And danced the skies on laughter-silvered wings;
Sunward I've climbed, and joined the tumbling
mirth
Of sun-split clouds, - and done a hundred things
You have not dreamed of – wheeled and soared
and swung
High in the sunlit silence. Hov'ring there,
I've chased the shouting wind along, and flung
My eager craft through footless halls of air ...

Up, up the long, delirious, burning blue
I've topped the wind-swept heights with easy
grace
Where never lark nor ever eagle flew –
And, while with silent lifting mind I've trod
The high untrespassed sanctity of space,
Put out my hand, and touched the face of God.



Don Dixon

To honour all of Cam's accomplishments, the Department of Entomology has established a scholarship to be awarded to a graduate student doing research in apiculture, pollination biology or the study of social insects — the areas of Cam's studies. Donations to the scholarship fund may be made on line at: https://umanitoba.ca/admin/dev_adv/howtogive/donation/index.html, or by emailing Neil_Holliday@UManitoba.CA to request a donation package. Please designate your donation for the Dr S. Cameron Jay Memorial Scholarship.

NEW MANITOBA ENCYCLOPEDIA IS PUBLISHED

Bob Wrigley

November 23, 2004 was likely an average day for most ESM members, but it was a momentous one for me, for on that day I received a phone call and an email from Dr. Karen Johnson (retired botanist at the Manitoba Museum). In a few words; "Do you want to write about animals for a new Encyclopedia of Manitoba?", Karen was in reality starting me on a course of research, writing and editing that would occupy most of my personal time for the next couple of years. In retrospect, I am amazed I did not pause to give such a daunting task some time to sink in before I answered; "Yes of course." Although this was an enormous challenge, I love books and natural-history interpretation, and I was excited about being involved with the first biodiversity survey in the province (my interpretation). As it turned out, the Encyclopedia is also the largest publishing venture in the history of Manitoba. Great Plains Publishing in Winnipeg had made the bold decision to bring out an 800 to 900-page book on everything Manitoban (human endeavors and natural history). To the knowledge of the publisher, only Canada, British Columbia, and Saskatchewan had successfully attempted such a major project, and the publication deadline had to be before the end of 2007 -- an anniversary of Friesen's Printers, one of the sponsors.

I was informed that Karen was taking care of plants and fungi, and Rudolph Koes (of Birds of Manitoba fame) was handling the birds; all other animals were my responsibility. Wow! This meant all creatures from single-celled protozoans to moose and whales; terrestrial, freshwater, and marine. And oh yes, the deadline for copy was less than one year; it took longer of course, but as usual, I got carried away and just kept writing. I began jotting down lists of taxa I thought should be covered for completeness, but it kept growing and growing. I needed help, in a big way. It would have taken an amazing zoologist to be able to write with any authority on the huge diversity of animal life found in Manitoba's lands and waters. And it would have been foolhardy to miss out on all the first-hand information and experience of local scientists.

I called on dozens of biologist friends and colleagues, pleading for assistance in writing accounts in their areas of specialty. Many people were fully occupied with their own schedules, but a number of individuals did respond with copy and photos for which I am so thankful (I chased some down unmercifully.). Terry Galloway, Richard Westwood, Taz Stewart, David Wade, Dale Wrubleski, Bill Preston, Rheal Lafreniere, Rob Roughley, Bill Pruitt, Bruce Stewart, Bill Watkins, Vince Crichton, Eva Pip, Graham Young, and Frederick Leighton all contributed accounts or information, while Robert Taylor, Roy Ellis, Ken Stewart, Douglas Watkinson, and Jennifer LaBella provided or arranged for illustrations. Most of these names will be familiar to ESM members, but special mention must be made of Dr. Terry Galloway. Although he was at the other end of the world (New Zealand) at the time, he forwarded numerous accounts of arthropods, and steered me in the right direction with so many of my enquiries. Arthropod representation would have been much poorer without his help.

I submitted close to 200 accounts -- some on feature species, but others on higher taxa such as families. With species in the latter category included, the actual total of species covered was over 400. Invertebrates, and especially insects, spiders, and molluscs,

received major coverage, since they represent large parts of our biodiversity, and play such important roles in our region's ecosystems. They are also neglected in most other books on animals. One of my aims was to attempt an inventory of the number of Manitoba species represented in as many groups as possible (All but a couple of phyla in Animalia are found here) -- something that is hard to determine with current knowledge. This exercise really emphasized just how rich our biota is (perhaps approaching a million species including bacteria and viruses), and how little we know about the vast majority of species. The soil and marine (Hudson Bay) faunas in particular will reveal many new discoveries.

There are also plenty of fascinating topics presented, such as fossil life (e.g., insects in amber), migration, snow ecology, global warming, endangered species, disease organisms, and parasites. Unfortunately, some important topics were eliminated by the editors, such as animal adaptations to cold, and biodiversity. Also left out were accounts on bacteria and viruses, which I had submitted, since no other authors had covered these topics. However, on the whole, I am surprised they used so much of my material, and animal accounts are found on almost every third page. As always, many more illustrations would have been so welcomed, but space and selection are always challenges in an all-encompassing book like this. I hope ESM members will find lots to interest them. Did you know that we have a 7-meter shark and the world's largest jellyfish (maximum 450 kg) inhabiting our marine shores?

The Winnipeg Foundation provided funds to place a copy in every school and library in the province, ensuring that the book will be well used. This huge volume, running 840 pages and weighing 2.8 kg, costs \$99 at local bookstores. Already in its second printing, it makes a great gift for someone special.

STUDENT-MEMBER NEWS

ESM Student Members go to the ESA-NCB Meetings

When the joint meeting of the ESM and the North-Central Branch of the Entomological Society of America (25-28 March 2007) was being planned, the ESM Executive worried that it might not attract sufficient attendance to break even. The Executive therefore negotiated with the NCB that the NCB could have all of any profits if they agreed to cover all of any losses. Thanks at least in part to the fantastic ESM committee of organizers, the meeting was a huge success, both scientifically and financially, and the NCB generously offered to split the profit with ESM. This windfall was on the order of several thousand dollars, and it was suggested by the ESM organizers of the meeting and readily agreed to by the ESM Executive that most of the money be used to further the connections between the ESM and NCB-ESA. Therefore a travel award was quickly organized and a competition held to send four graduate students to the 2008 NCB-ESA meeting in Columbus Ohio, 27-28 March 2008. The four awardees, all students in the Entomology Department of the University of Manitoba and shown in the photographs, were Suresh Desai (PhD student with Rob Currie), Karen Hawkin (MSc student with Paul Fields), Sunday Oghiakhe (PhD student with Neil Holliday), and Anais Renaud (MSc student with Rob Roughley). The students did really well at the meetings: Suresh won second place in the student competition for his oral presentation, Sunday won first

place for his poster presentation, and their team of four got into the semi finals of the Linnean Games (an entomological version of a classical quiz show). Karen gives her version of their performance in an email to her supervisor Paul Fields:

“Our Linnean team got to the semi-finals! We were tied on the last question and then Anais got that one right. Everyone answered at least one question right (I got two :)). NO one was more surprised than us that we managed to do that. Then, we got to the semi-finals and got CREAMED by University of Nebraska. It was insane...the final score was so bad it wasn't announced. I heard it was 90-0. The other three members of Team Manitoba were so embarassed afterwards they wanted to hide. I drank some beer with the guys from Kentucky and made fun of us and got some laughs out of it, and after awhile Suresh and Anais talked to the Kentucky people too. What can you do? Apparently there were a lot of people rooting for us, but Nebraska creamed us then beat Kentucky by a fair bit. Apparently they've been national champions/runners-up many times so we never had a chance. They were pretty.....determined with a lot of fire in their eyes.”



Part of the ESM team for the NCB-ESA Linnean Games in Columbus Ohio, March 2008, left to right: Sunday Oghiakhe, Suresh Desai, Anais Renaud.



The fourth member of the ESM team for the NCB-ESA Linnean Games in Columbus Ohio, March 2008: Karen Hawkin, in St John's Newfoundland in May at the time of the photograph.

FIRST ANNOUNCEMENT OF THE 2009 ANNUAL MEETING

Entomological Societies of Canada & Manitoba

ESM^C2009
Winnipeg, 18-21 October

In 2009, the Annual Meeting of the Entomological Society of Manitoba will be held jointly with that of the Entomological Society of Canada. The meeting will be held in Winnipeg, with the scientific program running from 18–21 October 2009.

The 2009 Norman Criddle Award

During the 2009 Joint Annual Meeting of ESM and ESC the Norman Criddle Award will be presented by the ESC to an amateur entomologist chosen by the ESM. The ESC website describes the award as follows:

The Society gives the Norman Criddle Award to recognize the contribution of one outstanding non-professional entomologist to the furtherance of entomology in Canada. This award may be given for outstanding work in teaching or research, community projects, publicity, popular writing, preparation of slide sets or films or any other activity that enhances the image of entomology. Candidates for the award shall preferably be amateurs or students, residing in Canada. Membership in the Entomological Society of Canada is not required. The candidate is selected by the Affiliate Society hosting the Annual Meeting.

The ESM Executive would be pleased to receive nominations from members of the Society for the 2009 Criddle Award, and will select the recipient from among the nominees. Please forward your letters of nomination, outlining the reasons for your selection, to the Secretary of the Society at the address below, to be received not later than 02 September 2009. That's 14 months from now, so you have lots of time to think about it, but don't leave it too long! Send your nominations to:

D. Ostermann, Secretary, ESM
Manitoba Agriculture, Food and Rural Initiatives
204-545 University Crescent
Winnipeg Manitoba
R3T 5S6

Solution to “This Puzzle is Bugged”:

G	N	A	T	S				S			T			
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MEETING ANNOUNCEMENTS*

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>

Annual Meeting of the Entomological Society of Manitoba

Winnipeg, MB, 13 & 14 November 2008

Contact: Mahmood Iranpour, iranpour@cc.umanitoba.ca

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 August 2008

ESM EXECUTIVE 2007

POSITION	PERSON	EMAIL ADDRESS
President	Desiree Vanderwel	d.vanderwel@uwinnipeg.ca
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