



THE ESO Newsletter

May 2012

Volume 17, Issue 1

ESO President's Message:

Greetings fellow entomologists! Springtime is always a busy time of year for insects, springtails and entomologists. This season could turn out to be more interesting than usual as we had a mild winter and a good taste of summer in mid-March when daily temperatures rose into the high 20's for nearly a week, before cooler winds prevailed. "First emergers" like *Tomicus piniperda* (pine shoot beetle) and *Culex* mosquitoes probably suffered serious setbacks when their tarsi and spiracles froze over with the return of subzero temperatures (and the release of The Budget?) at the end of March. However their numbers will likely recover in time to invoke fear and loathing in pine shoots and people as May progresses. The same might not be said for large numbers of red admirals that blew into Ottawa on a warm front in late April, only to be greeted by a surprise snow fall. The fate of this flotilla of butterflies was not looking good according to local entomologists, who have set up a website at eButterfly.ca to encourage more Canadians to become involved with butterflies. If their website takes off, someone is bound to ask me to set up eScarab.ca for people wanting to clean up the mess down in their paddocks or up on The Hill. But I digress.

This year's ESO annual meeting will be held the last weekend in September at the Bonnenfant YMCA/YWCA Outdoor Education Centre in West Carleton. If the weather cooperates (the UN has declared 2012 the International Year of Cooperatives), we should still have plenty of late season insects singing, flying, and crawling around. Located along the shores of the Ottawa River just west of Ottawa, the Bonnenfant offers newly renovated facilities for a relaxing and enjoyable weekend of meetings and presentations, not to mention out-door activities. A fun run, Emerald Ash Bonfire, and night-

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lighting for moths and beetles are just some of the extra activities planned for the weekend. Plenary speakers will include dapper Don Lafontaine discussing changes to the higher classification of butterflies and moths (The Good), jolly Jean Turgeon detailing the battle against the Asian Long Horned Beetle in Toronto (The Bad), and the caterpillar whisperer Jayne Yack decoding the acoustic secrets of caterpillar communications (The Wiggly). Our banquet speaker will be Dr. Arthur V. Evans, Research Associate of the Smithsonian Institution and noted author, NPR broadcaster, and insect photographer from Richmond, Virginia who will give his "Lust In The Dust" talk, and will be available for a book-signing of his 2007 National Wildlife Federation "Field Guide to Insects and Spiders of North America". Copies of the book will be available on site.

In society business I am pleased to announce that the ESO Board has agreed to offer a special 150th Anniversary scholarship for the year 2012-2013 open to all entomology students registered at an Ontario university. Details and application forms should be finalized and available at the 2012 meeting. In the meantime, remember to get your manuscripts written and submitted to our Journal Editor, as beginning this year there are no longer page charges for members. I would also like to take this opportunity to thank the Board members and all of the candidates who let their names stand for election, for their dedication to entomology and to their continuing efforts in supporting the ESO. The society survives upon the volunteer efforts of its membership, and I encourage all of you to renew your membership (it can be done on the website in less than 10 seconds with PayPal) and to get your students and colleagues to join the society.

The Entomological Society of Ontario is now in its 149th year, and by all measures has had a long and venerable history. One hundred years ago, the 1912 annual meeting was also held in Ottawa, chaired by then President Dr. Edmund M. Walker, from the University of Toronto. The incoming president was the Reverend Dr. Charles J.S. Bethune, Professor of Entomology & Zoology at the Ontario Agricultural College in Guelph, and the possessor of one very fine beard. If you don't believe me, you can see for yourself on page 5 of the 45th Annual Report of the ESO for 1914 (published in 1915). His Vice-President was none-other than Dr. C. Gordon Hewitt, the Dominion Entomologist, who was stationed on the Central Experimental Farm, Ottawa. The 2-day meeting was held mid-week and attended by many other notable entomologists of the day, as well as members of the Ottawa Field-Naturalists' Club. At their Council meeting they noted that the following year marked the 50th Jubilee of the ESO, so it was decided to hold the 1913 annual meeting in Guelph. Mark your calendars to join us in Ottawa in September 2012 for this year's meeting, and then again in Guelph in October 2013 for the historic 150th Joint Annual Meeting

with the Entomological Society of Canada. In the meantime, have a safe and productive summer and see you in September!

Bruce D. Gill



Volunteers Needed for the ESO/ESC 2013 JAM

We are looking for volunteers to assist with the **ESC/ ESO JAM being held in Guelph in 2013**. This meeting also will celebrate the **150th anniversary of the ESO!** If you can lend a hand with this special, historical event, please contact:

Morgan Jackson
jackson@uoguelph.ca

or

Joel Gibson
jfgibson@uoguelph.ca

Upcoming Entomological Meetings

International Lepidopterists' Conference: July 23 - 29, 2012, Denver, Colorado

Entomological Society of Ontario AGM: September 28 - 30, 2012, Ottawa, Ontario

Entomological Society of Canada/Entomological Society of Alberta JAM: November 4 - 7, 2012, Edmonton, Alberta

Entomological Society of America AGM: November 11 - 14, 2012, Knoxville, Texas



2012 ELECTORAL CANDIDATES



All fellows, regular, and student members of the ESO who have renewed their membership in 2011 will receive an ESO election ballot and return envelope addressed to the ESO Secretary. The annual ESO election ballot lists all candidates running for an elected position on the ESO Board. This year's election ballot includes two candidates for President-Elect, three candidates for two director positions, and two candidates for one student representative position. The following are biographies supplied by the candidates:

President-Elect Candidate: Dr. Jeremy McNeil



Jeremy N. McNeil was born in England, and received his primary and secondary education in Newfoundland and England, respectively. He moved to Canada in 1964, received a B.Sc. Hon. in Zoology at the University of Western Ontario in 1969 and a Ph.D. in Entomology and Ecology at North Carolina State University in 1972. During his graduate studies Jeremy received both a regional and a national award from the Entomological Society of America for his research.

In 1972 Jeremy took a position in the Department of Biology at Laval University, where he was a professor for 30 years, until the end of 2002. He received a Humboldt Prize and spent 2003 at Hamburg University, then in 2004 was named the Helen Battle Professor in the Biology Department at the University of Western Ontario.

Dr. McNeil's research interests are in behavioral and chemical ecology, studying fundamental aspects of mate choice, migration, as well as plant-insect and host-parasitoid interactions from an interdisciplinary perspective. He has trained 32 M.Sc., 17 Ph.D. students, as well as 12 PDFs, most now well established researchers in Universities and Government agencies around the world. Together they have published >190 papers in primary international journals and > 10 book chapters. He has received a number of research awards, including the C. Gordon Hewitt Award and Gold Medal from the Entomological Society of Canada, the Fry medal from the Canadian Society of Zoologists, The Silver Medal of the International Society of Chemical Ecology, the L. O. Howard Award from the Entomological Society of America (Eastern Branch) and the Delwart Prize in Chemical Ecology (Belgium).

Professor McNeil has been heavily involved in teaching, giving both undergraduate and graduate courses in entomology and ecology, as well as developing a course, "Communication in Science" discussing the preparation of manuscripts, posters and oral presentations. In the last decade he has given short versions of this course in France, Portugal, Thailand and China, as well as annually at the University of Neuchatel in Switzerland. He was named "Professuer etoile" in the Faculty of Science at Laval University and in 1985 was the Eastern Branch Nominee for the Entomological Society of America's Distinguished Achievement Award in Teaching.

Jeremy has served on editorial boards of *The Canadian Entomologist*, *The Canadian Journal of Zoology*, *Entomologia experimentalis et applicata*, *The Journal of Chemical Ecology*, *Chemoecology* and *The Journal of Economic Entomology*. He regularly serves on committees for granting agencies (Natural Sciences and Engineering Council of Canada, The Canadian Foundation of Innovation, The Canada Research Chairs program), as well as a referee for international journals, granting agencies and Universities.

Dr. McNeil is a member of several learned Societies and served as President of the Entomological Society of Canada, the Entomological Society of Quebec, the Canadian Federation of Biological Societies and the International Society of Chemical Ecology. He is currently a councilor for the Entomological Society of Ontario. He was elected a Fellow of the Royal Society of Canada and is currently the RSC Foreign Secretary.

Dr. McNeil has also been very active in the public awareness of science and each year, for the last 20 years, has spoken to > 500 school children in North America, Europe and Australia. He also gives regular presentations at public institutions, as well as to amateur science and gardening clubs. Jeremy has received several regional and national awards for his outreach activities, including The Faculty of Science Outreach award at UWO, the McNeil Medal from the RSC (no relation!!) and the Gordin Kaplin Award from the Canadian Federation of Biological Societies.

President-Elect Candidate: Dr. Patrice Bouchard



Pat Bouchard studied in zoology at McGill University during his B.Sc. (1993-1995). During his M.Sc. at the same university (1996-1997), he sampled and identified the invertebrates of the threatened Ontario alvars using several groups as indicators. For his Ph.D., Pat concentrated on the evolution of darkling beetles in the Wet Tropics World Heritage Area in north eastern Australia while at the University of Queensland (1998-2002). After a short postdoc at the Canadian Museum of Nature, he was hired as a research scientist at the Canadian National Collection of Insects, Arachnids and Nematodes in Ottawa, a position that he still holds.

Pat's research focuses on weevils (superfamily Curculionoidea) and darkling beetles (family Tenebrionidae), two very diverse and economically important groups of beetles. His publications include revisions, identification keys, catalogues and others, but he also loves to learn "new tricks" by collaborating with experts in other fields. Pat is the co-author of four books including the 1000-page *Family-group names in Coleoptera* and the award winning *Tenebrionid Beetles of Australia: Descriptions of tribes, keys to genera, catalogue of*

species. He is also on the editorial board of *The Canadian Entomologist*, *ZooKeys* and *Zoological Bibliography*. He is involved in the training of future entomologists (summer students, honours students, etc.) and this is an area that he would like to develop further in the future.

Pat has been involved with scientific societies for many years. He is currently one of the directors of the *Biological Survey of Canada* and as served treasurer of the Entomological Society of Canada (2004-2010) and as director of the Entomological Society of Ontario (2004-2006). He is currently involved as entomological advisor in the development of a new natural history television series focussing on insects and their relatives.

Pat would welcome the opportunity to serve the ESO as President to build on its excellent track record established over many decades and to ensure a thriving future for the Society.

Director Candidate: Dr. Brent Sinclair

I grew up in New Zealand, but my interest in insects didn't crystallise until I saw my first giraffe weevil (ironically in the Family Brentidae, but I didn't know it at the time) as an undergraduate summer field assistant to a vegetation survey. In my 3rd year at the University of Otago, I learned that some insects can survive freezing, and haven't looked back. I did my honours thesis and PhD at the University of Otago in New Zealand, working on cold tolerance and ecology of New Zealand alpine insects, and also Antarctic springtails and mites. I then spent three years as a postdoc in Stellenbosch, South Africa, where I worked on the physiology of insects in the mountains of Southern Africa, sub-Antarctic Marion Island and on springtails and mites at Cape Hallett (which involved spending three months in a tent on a melting piece of sea ice amidst 100,000 pairs of Adelie penguins, which is good preparation for something, but I haven't figured out what). I then did another postdoc (this time on molecular stress physiology of *Drosophila*) in Las Vegas (really!) before moving to Canada and Western in 2006. I'm now an Associate Professor at Western, and have the pleasure of interacting with a really excellent group of students.



My research now focuses on low temperature physiology of insects, and ranges from applied work (for example, figuring out how Emerald Ash Borer survive the winter) to the esoteric (I am part of a project studying the evolution of New Zealand stick insects). My lab and I work at all levels of organisation, from molecular biology to global-scale patterns, and we are particularly interested in figuring out how some species can survive being frozen solid, why insects stop moving at low temperatures, and in predicting the biological impacts of changing winters. I have been author or co-author on more than 80 peer-reviewed publications, and have been invited to speak at more than 30 institutions around the world.

I only recently discovered the ESO annual meetings, and the meetings, and the society are fantastic. Not only is the society an excellent forum for students to find their academic feet in a supportive environment, but it provides a great place for entomologists of all stripes to interact and share beer (Did I type that out loud? I meant 'share their research and experiences'). I am delighted to be nominated to the board, and will do my utmost to contribute to this vibrant society – whether or not I am elected! I am also committed to outreach and like nothing more than to share the excitement of bugs with a variety of groups of students and the public at large.

Director Candidate: Dr. Sophie Cardinal

After having spent the last 7 years in the United States completing my PhD and working as a post-doctoral associate, I am thrilled to be back in Canada and eager to become a productive member of the ESO. I first became interested in insects during my undergraduate degree while working for the City of North Bay sampling aquatic invertebrates to monitor the health of local streams. Being eaten alive by deerflies became worth it once I got to start looking through the microscope at all of the immature insects I had collected. I felt as though I had just discovered some secret sci-fi world. This convinced me to take an introductory entomology class, and I never looked back. While a student at UofT, I worked at the Royal Ontario Museum sorting, pinning, and labeling insect samples collected from various places around the world. The diversity of insects that I curated solidified my impression that entomology was one of the most fascinating fields of science. I went on to complete a MSc at York University working on a morphological based cladistic analysis of a group of bees. I then pursued a PhD at Cornell University where I learned to incorporate molecular genetic data into my systematic work. My thesis focused on resolving the phylogenetic relationships of the bee family Apidae which includes honey bees, bumble bees, carpenter bees and many other less familiar bees. Results based on my molecular work indicate that the classification for this group of bees needs to be fundamentally revised, which is now a focus of my research. It also provided new insights into the evolutionary history of parasitic and social behavior in bees. During my PhD, I was fortunate to do field work in numerous places around the world, but now that I am working at the Canadian National Collection of Insects, Arachnids and Nematodes, I am excited to focus my research on groups of bees that are important to Canadian Agriculture.



I started my position as Research Scientist at the CNC in September and with the exception of some bureaucratic paperwork, have been enjoying every minute of it: I couldn't ask for better colleagues and I am thrilled to work with the CNC's bee collection. I am continuing to work on revising apid bee classification, I have started revising the bee genus *Nomada*, and I am continually testing and incorporating new molecular tools into my research. I have also begun local bee biodiversity monitoring around Ottawa to sample and become more familiar with the local bee diversity. If given the opportunity to serve as a director of the ESO, I would like to help increase the society's presence Canada's entomological community. I also strongly believe in community outreach and think that the society has a lot to offer those with a natural interest and curiosity about insects, and people who just haven't found out yet how truly amazing insects are.

Director Candidate: Dr. Wayne Knee



I grew up in Alberta, where I lived in the Rocky Mountains, Aspen Parkland and the Boreal Forest. As a child I was always interested in the smallest details, spending hours in the creeks fields, and forests around my home. I had a keen interest in arachnids as a child, collecting spiders and pitting them against each other Thunderdome style, with my respect and admiration going to the victor. I am at an early stage in my academic career, but I have been intensively interested in the natural world around me for my whole life.

I attended the University of Alberta and completed a BSc specializing in animal biology (2005), where I worked as an undergraduate researcher under Heather Proctor. Heather supported and encouraged me in my pursuit of exploring the biodiversity and ecology of mites and invertebrates. At the University of Alberta I had the opportunity to take several entomology courses during my undergraduate. I completed my MSc (2007) in Heather Proctor's lab, where I studied blood and tissue-feeding mites associated with birds in Canada. I conducted the largest survey of parasitic bird mites in Canada; I described six new species of mites, and created an interactive html-based dichotomous key to nasal mite species in Canada. Following my MSc, I moved to Ottawa to attend Carleton University, and work on a PhD under Mark Forbes. I came to Carleton University specifically to work under Mark; I was interested in the host-parasite ecological research being conducted in his lab. Throughout my PhD I studied the species boundaries and host specificity of beetle-associated mites using molecular and morphological markers. Specifically, I worked on mites associated with bark beetles (Scolytinae) and burying beetles (Silphidae). My PhD research focused on challenging our understanding and interpretation of where species boundaries exist and how the associations with their host beetles may have evolved. I successfully defended my PhD late in November 2011. I am presently working as a mite systematist at Agriculture and Agri-Food Canada, in the Canadian National Collection of Insects, Arachnids, and Nematodes, in Ottawa, where I am studying plant-feeding mites and associated predatory mites with Fred Beaulieu. I have considerable experience with the systematics and biodiversity of mites, as well as many entomological taxa.

Throughout my academic career I have presented at 11 international, regional or institutional conferences. On several occasions I have visited and talked with children from grades 1–5 about insects, arachnids and biodiversity. I am interested in reaching out to the public and bridging the gap between the public and professional entomologists. I believe that it is important to connect with the public and share our enthusiasm for arthropods. I also find that both scientists and the public benefit from these interactions on many levels. I would be honoured to be elected as a director of the ESO, and to be a part of the legacy of Canada's oldest Entomological Society. Thank you.

Student Representative Candidate: Braden Evans

Hello fellow ESO members! I am a second year PhD student at the University of Guelph. My current research is focused on management of the swede midge, *Contarinia nasturtii*, in organic crucifer production systems, with emphasis on evaluating entomopathogenic nematodes as potential biological control agents.

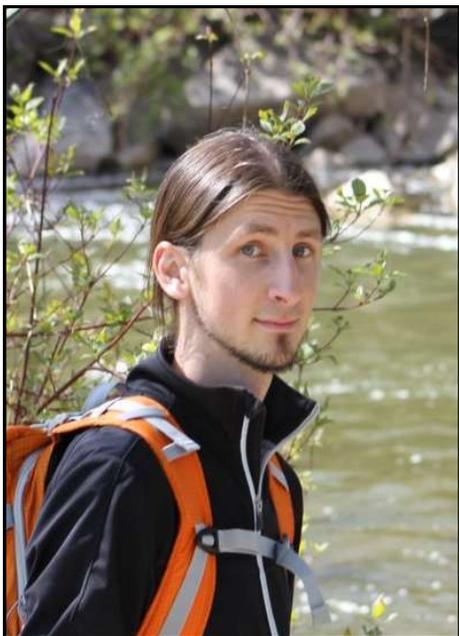
My path towards a career in entomology has been a circuitous one. Following the completion of my B.Sc. (Biological Science, Guelph), I spent some time working in finance in the automotive sector. During this time, I served as a director on a non-profit board and completed a Masters degree in Finance at York University's Schulich School of Business. Ever maintaining my goal of working in entomological research, however, I jumped at the opportunity to complete my PhD. I intend to leverage my knowledge and understanding of finance and economics in my scientific research.

I am very keen to develop my skills and continue to broaden my experience as an academic. Since returning to Guelph as a graduate student, I have represented my department on the Graduate Student Council, conducted plant and insect talks at local schools as part of the "Let's Talk Science" program, served as a teaching assistant in several entomology-related courses, assisted in the supervision of undergraduate projects, presented my research at numerous conferences and acted as a guest lab instructor and lecturer in a senior-level undergraduate course.

In two short years of ESO membership, I have observed an excellent level of commitment at the executive level, as well as with the membership at large. This is an organization that supports important professional and interpersonal relationships for Ontario's entomologists and it is clear to me that students play a very large role in driving the ESO's mission. The ESO provides students with an opportunity to present their research, publish their work in JESO and connect with other local entomologists. As a student representative with a unique background, I would endeavor to promote the above opportunities within the existing membership while also considering novel ways to increase membership among undergraduate and graduate students.

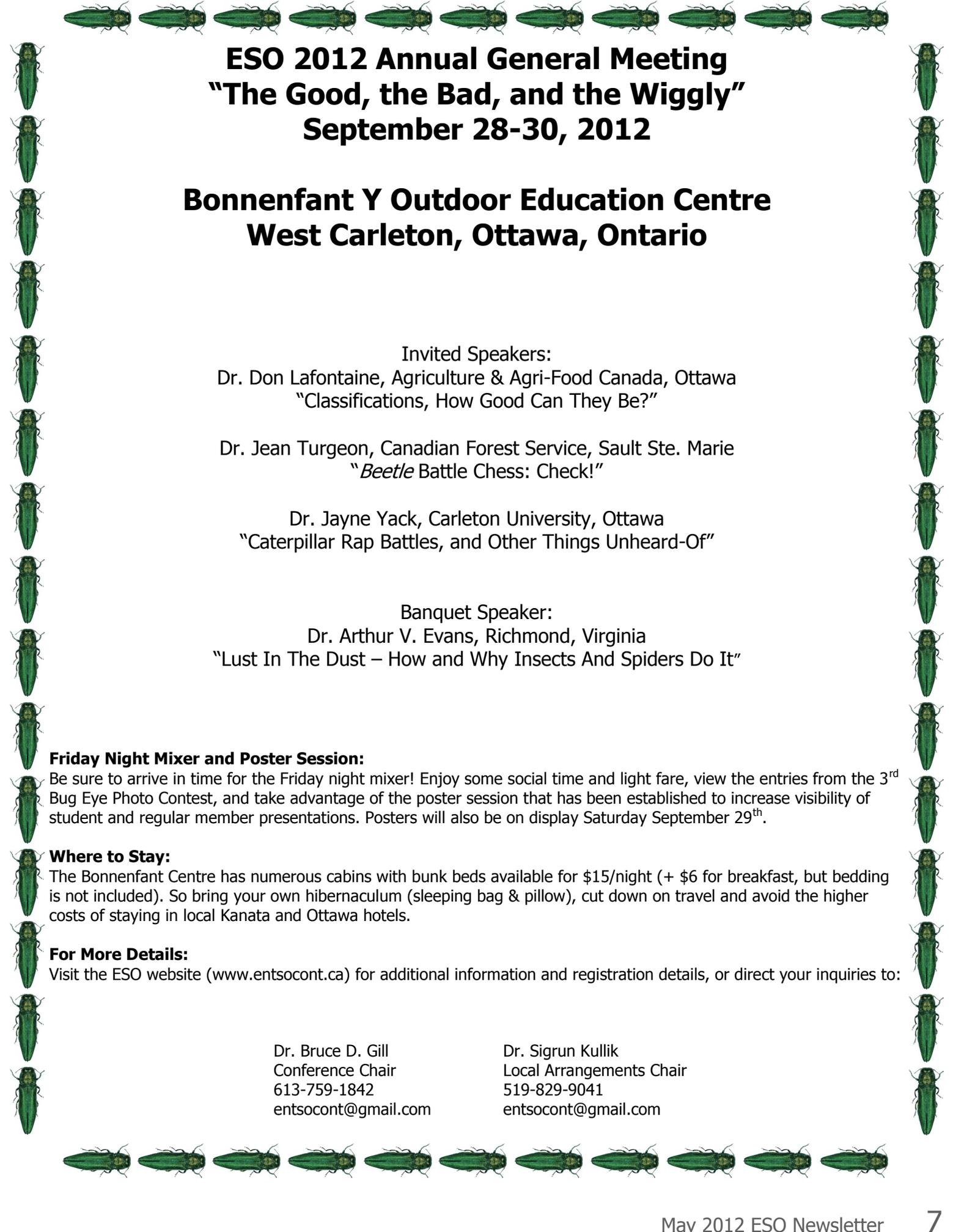


Student Representative Candidate: Andrew Frewin



I have always had an interest in science and nature, spending many hours as a child in the Royal Tyrell Museum memorizing the names of all the dinosaurs for my future career as a paleontologist. While completing my BSc at the University of Guelph years later, my interests shifted from the big and extinct to the tiny and abundant when I was introduced to the world of insects. I went on to complete my MSc at Guelph with Drs. Rebecca Hallett and Art Schaafsma on a project involving incorporating natural enemies into soybean aphid management. Now I am a second year PhD candidate at Guelph in the College of Biological Sciences, advised by Drs. Robert Hanner and Cynthia Scott-Dupree. My research focuses on incorporating DNA bar-coding into greenhouse integrative pest management. While my academic interests focus chiefly on agricultural facets of entomology, specifically integrative pest management and biological control, I'd characterize myself more generally as a 'bug nut', having an interest in all aspects of entomology and arthropod taxa. However, I do have a special place in my heart for parasitic Hymenoptera. Personally I find the diversity and intricacy of insect's shapes, forms, life-histories, and behaviours fascinating. I am truly fortunate to be able to study and work with insects in a professional capacity the way I have for the last 6 years, and I hope to continue that into the future. Outside of my professional life, I am active in promoting entomology through outreach activities for children.

I have been a member of the ESO for 6 years, and I have found the Society to be a great resource for students for everything from meeting other students and professionals to providing a valuable venue for presenting one's research. As student representative I would strive to continue the great work done by past student representatives. I hope to maintain student interest in ESO meetings by increasing student involvement in meeting planning and designing student-centred meeting events. Overall, I would like to continue to foster the relationship between students and the entomological community as a whole, while promoting the role of students within the ESO.



ESO 2012 Annual General Meeting
"The Good, the Bad, and the Wiggly"
September 28-30, 2012

Bonnenfant Y Outdoor Education Centre
West Carleton, Ottawa, Ontario

Invited Speakers:

Dr. Don Lafontaine, Agriculture & Agri-Food Canada, Ottawa
"Classifications, How Good Can They Be?"

Dr. Jean Turgeon, Canadian Forest Service, Sault Ste. Marie
"*Beetle* Battle Chess: Check!"

Dr. Jayne Yack, Carleton University, Ottawa
"Caterpillar Rap Battles, and Other Things Unheard-Of"

Banquet Speaker:

Dr. Arthur V. Evans, Richmond, Virginia
"Lust In The Dust – How and Why Insects And Spiders Do It"

Friday Night Mixer and Poster Session:

Be sure to arrive in time for the Friday night mixer! Enjoy some social time and light fare, view the entries from the 3rd Bug Eye Photo Contest, and take advantage of the poster session that has been established to increase visibility of student and regular member presentations. Posters will also be on display Saturday September 29th.

Where to Stay:

The Bonnenfant Centre has numerous cabins with bunk beds available for \$15/night (+ \$6 for breakfast, but bedding is not included). So bring your own hibernaculum (sleeping bag & pillow), cut down on travel and avoid the higher costs of staying in local Kanata and Ottawa hotels.

For More Details:

Visit the ESO website (www.entsocont.ca) for additional information and registration details, or direct your inquiries to:

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Local Arrangements Chair
519-829-9041
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Treasurer's Report – Fiscal 2011

Submitted by Shiyou Li



Entomological Society of Ontario

FOUNDED 1863

Items	Description	Amount
	US\$ saving account balance on December 31, 2010	5269.58
	CN\$ checking account balance on December 31, 2010	17709.45
Balance forwarded from 2010	BMO 5-yr rate riser GIC	6000.00
	2010 AGM loan	2500.00
	Ontario Savings Bonds	30000.00
Revenue		
	In Canadian dollars	14404.80
	JESO subscriptions	600.00
	Page charges	2450.00
	Membership dues	1898.41
	Donation	985.29
	Interests	1077.00
	Other	7394.10
	In US dollars	2111.44
	JESO subscriptions	2100.00
	Bank interests	11.44
Expenditure		
	In Canadian dollars	15485.03
	Journal printing and technical editing costs	5562.08
	Journal mail out costs and general mails	1297.53
	Travel costs	231.32
	Student awards	1000.00
	Other	7394.10
	In US dollars	21.16
	Bank service fees	21.16
Total assets		
	In Canadian dollars	55129.22
	Checking account balance on December 31, 2011	10629.22
	Ontario Savings Bonds	24000.00
	BMO 5-yr rate riser GIC	18000.00
	Loan to 2011 ESO AGM	2500.00
	In US dollars	7359.86
	US\$ saving account balance on December 31, 2011	7359.86

Featured ESO Member: Amanda Naaum



I am a currently a PhD student at the University of Guelph with Dr. Robert Hanner. With a background in molecular biology and genetics I initially started working on food traceability and authenticity, but quickly branched out to agricultural pest identification. I have been interested in biology as long as I can remember – from my declaration at three years old that I wanted to grow up to be a marine biologist all the way through the Ontario Rangers program in high school and beyond – but, all of my experiences as an undergraduate were at the molecular level. Now as a side project I have been working on identification of different aphid species using real-time PCR. These portable assays can be deployed in field settings and at border crossings for rapid on-site identification of pests. Although my work on this project is largely molecular, I have had the opportunity to learn some basic entomology along the way. Having never taken an entomology class, it has been a new and interesting experience.

As co-coordinator of the Let's Talk Science University of Guelph site I have the opportunity to be involved with developing and implementing science outreach activities. Over the past eight months I have been leading a special pilot project to help high school students in three Ontario classes to DNA barcode the insect life on their campuses. The main focus on the project is the importance of species identification in many different applications.

When I am not in the lab or in a high school biology classroom I like to cook, read or watch movies. I will also jump at any chance to travel. My most recent trip was to the small island of Saba in the Netherlands Antilles - for which I can thank my younger sister for attending medical school there - where I went SCUBA diving and hiking in a rainforest for the first time. I also play golf (badly) with my dad as often as I can and enjoy soccer, volleyball and tennis.

The ESO is made up of a diverse and interesting membership, and we want to get to know all of you better. We're looking for members to write a small piece about themselves and their entomological work for our newsletters. If you're interested in being featured, or for any other submission of entomological articles, notices of upcoming events, insect photos, or ideas for columns, please contact:

Angela Gradish
Newsletter Editor
agradish@uoguelph.ca

Hello Natural History Specialists, We Need Your Help!

The Rouge Park invites you to participate in the

2012 Rouge BioBlitz

A BioBlitz brings together natural history specialists and knowledgeable members of the public to try to identify as many plants and animals species as possible over a 24 hour period, so as to document the biodiversity of a designated area. It's a community based volunteer initiative linking science, education and public participation. Bioblitzes have been occurring all over the world for decades, even here in Ontario. Specialists and experts from a diverse set of disciplines will be grouped with interested, enthusiastic volunteers to explore the areas under investigation. The interaction of volunteers with the scientific community are integral goals of this event.

The Blitz will be taking place from **3:00 pm Friday June 15th to 3:00 pm Saturday June 16th**. Amateur, professional and young naturalists are all welcome to help out with spotting and identifying species and learning about the science behind species collection and identification.

We are looking for specialists in all aspects of biological diversity:

We would be interested in anybody with specific expertise in any wildlife taxa found within the Park. If your taxon requires any collecting of specimens please include a brief protocol on the method of collection. This will be assessed and approved by the Rouge Park authorities and in some cases the Ontario Ministry of Natural Resources.

The Site

The 2012 BioBlitz is going to be held in the Rouge Park including the Toronto Zoo. Once registered, each expert will receive a package including a map of the Park, all pertinent locations and information on the area of the Park you will be working in. This park has a variety of habitats including forest, wetland and some open area which provides for a good diversity of species.

Accommodation and Food

We are in the process of procuring accommodation for any participants who will be travelling long distance. If you are interested in assisting but will require accommodation, please let us know and we will work towards finding a comfortable place for you to rest.

Food will be supplied as the budget allows. It will include: coffee and trail snacks and a Saturday barbeque. Other meals: Friday dinner, breakfast and lunch on Saturday, will be supplied if funding comes through.

Registration: To register yourself as a Blitz Specialist, please supply your name, expertise and your contact information to: Tom Mason, Toronto Zoo, tmason@torontozoo.ca 416 392 5972



Rouge Valley
Conservation Centre



Royal Ontario
Museum



ESO Committees

Awards: Hannah Fraser (chair)- 905-562-1674, hannah.fraser@ontario.ca; Ian Scott - 519-457-1470 x281, ian.scott@agr.gc.ca

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Membership Renewal

Please visit www.entsocont.ca to pay via PayPal or mail your invoice and payment to:

Nicole McKenzie, ESO Secretary
Vista Centre
1830 Bank St.
P.O. Box 83025
Ottawa, ON
K1V 1A3

Student, amateur and retired memberships in Canada are free but **must be renewed each year!** Free memberships may be renewed electronically by sending an email to Nicole at: nicole.mckenzie@hc-sc.gc.ca

Make the Trip to the 2012 Annual Meeting: Student Travel Awards

Professors and teachers of entomology:

Do you know of a student whose research should be featured at the ESO Annual Meeting this fall? Please inform your students that the ESO has travel awards available to both undergraduate and graduate students.

Each year the Entomological Society of Ontario provides travel grants to assist students with their travel expenses to the annual meeting. **The ESO awards both a graduate and an undergraduate travel grant worth \$250 each!**

Student members of the ESO (registration is free—visit <http://www.entsocont.ca/>) who are presenting a poster or a paper at the Annual Meeting of the Entomological Society of Ontario being held September 28-30, 2012 in Ottawa, ON are eligible to apply.

Interested students should forward: (1) a title and short abstract for their project; (2) a statement outlining why/how the funds will be used to support their participation in the meeting; and, (3) a curriculum vitae.

Only active student members of the ESO who are enrolled in a graduate or undergraduate program will be considered for travel awards. Students may receive only one travel award per degree.

Please don't forget to include contact information (phone number, mailing and email address).

Deadline for application is August 31, 2012. Recipients will be notified at least two weeks before the annual meeting. Please send applications electronically to:

Hannah Fraser
Awards Committee Chair
hannah.fraser@ontario.ca

There will also be President's Prizes awarded at the meeting for exceptional paper and poster presentations. Please refer to meeting registration forms on the ESO website for information on applying.