



THE ESO Newsletter

December 2009

Volume 14, Issue 2

2009-2010 OFFICERS OF THE ENTOMOLOGICAL SOCIETY OF ONTARIO

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ESO President's Message:

Although my term as President is over, it seems I still have a few tasks to complete before I can close the file. One of them is to provide the membership with a retrospective of all things accomplished in the name of the ESO in 2009.

First I want to take a moment to say farewell and thank you to a very dedicated member of the ESO Executive and Board – at the May Interim Meeting we said goodbye and extended our appreciation to Dave Hunt who acted as the Secretary of the society for a decade. My thanks to Rebecca Hallett for recruiting Nicole MacKenzie as the new ESO Secretary. Prior to moving onto other endeavours Dave worked directly with Nicole Mackenzie to ensure a smooth transition to her new position. By all accounts Nicole is doing a fabulous job!

We will soon be saying farewell to Kevin Barber who will be completing his term as ESO Treasurer on December 31, 2009. Rebecca Hallett has recruited an excellent replacement for this position – Dr. Shiyu Li (Research Coordinator with NRCan in Ottawa). Shiyu is diligently working through all the details of his new position with Kevin – a steep learning curve but I can assure you he is receiving exceptional instruction. Welcome aboard!

I would also like to thank departing Board Members - Doug Currie and Jeff Skevington – for their contributions over the last 2 years. As a result of ESO elections this past summer I welcome Hannah Fraser as President Elect, and new Board Members Drs. Simon Lachance and Ian Scott (2010-2012). My thanks to Past President Rebecca Hallett for Chairing the Nominations Committee and ensuring we had a great roster of excellent candidates to choose from this year.

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Now on to ESO accomplishments:

- ♦ The Joint Annual Meeting with ESC in Ottawa, 2008 was a great success and I want to thank John Huber and his vast Organizing Committee for efficient running of the event resulting in a profit to ESO of \$12,744.49. In turn ESO shared the profit with ESC by providing them with a cheque for \$6,400.00 (50.2%) specifically requesting that the funds be allocated to the ESC scholarship fund.
- ♦ Some of the profit from JAM 2008 allowed us to allocate additional student travel funds in the amount of 4 awards @ \$150 each for the 2009 AGM in Dorset.
- ♦ The ESO website is well on its way to refurbishment thanks to Barry Lyons and his website committee, along with substantial input from Mark Munroe of Site Binder Software who assisted in website layout and software training. The site is "still under construction" but will be officially unveiled by the middle of October 2009. Barry wants me to make the ESO membership aware that there will continue to be a lot of "tweaking" to ensure that the site provides the proper service to our membership. Websites are never static – always evolving.

Please note the new website address:
www.entsocont.ca.

- ♦ An interesting change to JESO is that pre-prints of accepted papers to be published in the upcoming journal will now be available on the ESO website. Hopefully this will spark increased interest from authors thinking about submitting manuscripts to JESO. The advantage is that authors will not have to wait up to a year to see their papers in print. I ask all ESO members to support JESO and chose our journal to publish your research results in. Miriam

Richards has done a fabulous job improving the impact and credibility of the journal during her tenure as Editor. Our thanks to her.

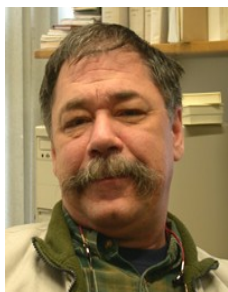
- ♦ My thanks to Rebecca Hallett and Ziggy Kullik for organizing the 2009 AGM at the Frost Centre Institute in Dorset, On. It was a fabulous meeting with approximately 70 members attending. The scientific program was exceptional, student talks outstanding, social activities next to none and venue superb.
- ♦ Dr. Jeremy McNeil has graciously offered to organize the 2010 AGM with a crew of dedicated volunteers from London, ON. As soon as we have more details on next year's meeting we will ensure that it is posted to the website and newsletter.

Well these are just a few of the ESO accomplishments for 2009 – there have been many other issues and a myriad of unsung heroes who have dealt with each one to ensure that the ESO continues on as stalwart as ever. My thanks to all of you for allowing me to represent you as the ESO President in 2009. It was an honour to serve such a worthwhile organization.

**Respectfully submitted by,
Cynthia Scott-Dupree**



OBITUARY—ROB ROUGHLY



The entomological community has lost one of its classic figures. Rob Roughley passed away suddenly at his home on 9 November, 2009 at the age of 59. Rob was an authority on water beetles, especially the Dytiscidae. He completed his B.Sc. (Agr.) in Entomology in the Department of Environmental Biology at the University of Guelph in 1974. He was part of the cadre of young entomologists emerging from Guelph at the time, inspired by Dave Pengelly. Rob became immersed in taxonomy and systematics and stayed on at Guelph to revise the genus *Hydaticus* (Dytiscidae) for his M.Sc., spending some of his time during this period working at the Canadian National Collection in Ottawa. He went to the University of Alberta to revise the genus *Dytiscus* for his Ph.D. under the supervision of George Ball. Even before he defended his Ph.D. thesis, he accepted a faculty position in the Department of Entomology at the University of Manitoba, where he remained until his untimely death. He was an untiring supporter of collections and collection management in Canada, and as Curator of the J.B. Wallis Museum, helped to develop the JBWM to where it stands today. Rob was integral to obtaining funding to expand the rapidly growing museum facilities and to implement one of the first bar-coded databases for entomological museums in Canada.

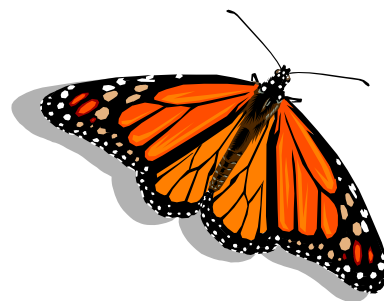
Rob had a big voice, a big personality and a big heart. Few entomologists were more generous with their time and expertise. He was endlessly supportive of students, and always provided the encouragement and enthusiasm for all things entomological that seemed to inspire so many of them.

Rob has been an important component of the entomological community in Canada and he will be sorely missed.

Excerpt and photo taken from University of Manitoba's webpage - <http://umanitoba.ca/afs/entomology/staff/faculty/roughleypage.html>

ENTOMOLOGICAL VACATIONS

There are a number of reputable tours being conducted in the spring of 2009. Most tours also include stops to look at Mexican history, art, food and music. Here are the names of three good ones:



1. Monarch: Butterfly Beyond Borders
Tour conducted by Expediciones Madre Tierra and lead by Jean Lauriault, recently retired from the Canadian Museum of Nature and Yenitza Chavez, a Mexican biologist. February 20 to 27, 2010. Contact jean.lauriault@gmail.com for more information.
2. Tour of the Monarch Overwintering Sanctuaries and the Heart of Mexico conducted by Dr. William Calvert and Bonnie Chase February 20 to 27, 2010. Bill Calvert is a long time monarch butterfly researcher, who has travelled extensively in Mexico. Contact Bill at wmcalvert@sbcglobal.net for information.
3. Spirit of the Butterflies Tours of Mexico organized by Maraleen Manos Jones and conducted by Jose Luis Alvarez. These two people have been conducting tours of the monarch overwintering sites and various other attractions for many years. A portion of the trip fee is donated to monarch butterfly conservation and research. Jose is a well known Mexican tree nursery owner. A number of spring trips are planned. Please contact Maraleen at mmjbutterfly@hvc.rr.com for further details. To learn more visit www.spiritofbutterflies.com.



2009 ELECTION RESULTS

The ESO is proud to welcome our new board members. The successful candidates were:

President-Elect — Hannah Fraser
2010-2012 Directors — Simon Lachance
— Ian Scott

WELCOME

The ESO would like to welcome Shiyu Li as our new treasurer.

DEPARTING



Every year at this time as we welcome our newly-elected board members, we must also say goodbye to our departing board members.

Thank you to Kevin Barber, Rebecca Hallett, Doug Currie and Jeff Skevington for their dedication and commitment to the ESO.



TEST YOUR KNOWLEDGE



1. Which insect transmits Lyme Disease?
a) lice
b) ticks
c) Tsetse flies
d) no insects transmit the disease
2. What is another name for the king honey bee?
3. What is the name given to a tiny cocoon spun for overwintering shelter?
4. Which insect starred along side Clarice in "Silence of the Lambs"?
5. Which insect made its way to America on wheat straw during the French—Indian war?

Answers:

1. d 2. drone 3. hibernacula 4. tobacco hornworm 5. Hessian fly



Job Opportunity

Abell Pest Control is a family owned Canadian company dedicated to providing effective, professional and courteous service in pest management. They are currently looking for an Entomologist/Technical Support Specialist for their Head Office in Toronto.

Qualifications include: Ph.D in entomology, 5 or more years of experience, and excellent communication skills. For more information on the position, responsibilities and qualifications, contact hrcanada@abellgroup.com



EARTH, WIND, & WATER INSECTS IN ECOSYSTEMS

President's Prize Winners

Philip Careless, Steve Paiero, Bruce Gill and Stephen Marshall (Winner—Oral Presentation)

Biosurveillance with *Cerceris fumipennis* (Hymenoptera: Crabronidae) - Wasp husbandry and the comparison trials.



Distribution and behaviour renders *Cerceris fumipennis* Say, an ally to our efforts to monitor for invasive beetles. Native to eastern North America this wasp provisions its subterranean nests almost exclusively with adult metallic wood-boring beetles (Buprestidae). The active wasps are capable of presenting a human observed with tens of buprestid beetles in a single day. The year 2009 bode well for *C. fumipennis* as a practical and sensitive monitoring tool. There has been a refinement of mobile wasp colonies, a development of captive wasp population and a comparison of wasps with conventional buprestid trapping tools.

Joel Gibson and Jeffrey Skevington (Winner—Oral Presentation)

The key to unlocking the Schizophora: Placement of the Conopidae within the Eremoneuran Diptera based on mtDNA and nrDNA



The Conopidae are a fascinating family of parasitoid flies. Past phylogenetic hypotheses have placed the conopids as sister to a number of brachyceran groups including the Syrphidae, the Schizophora (*s.s.*), and the Tephritoidea. The present study tests these hypotheses using a dataset composed of over 23.8 kbp of DNA sequence from ten different genes and 31 dipteran taxa. Mitochondrial, nuclear, ribosomal, and protein-coding genes are all included in this analysis. The Conopidae are recovered as monophyletic with the Diopsidae as the closest sister group. A number of support measures allow a comparison of the informative quality of all genes included.

Wendy Romero, Cynthia Scott-Dupree, Graeme Murphy, Theo Blom, Ron Harris and Helen Villeneuve. (Winner—Poster Presentation)

Reduced risk controls for insect pests hitching a ride on propagative plant material.

Propagative chrysanthemum and poinsettia material can harbour pests such as thrips and whitefly, respectively. Through local, national and international sales of propagative material, associated pests can be moved with shipments resulting in contamination of otherwise pest free facilities, and introduction of insecticide resistant insects and invasive alien species. These pest problems can result in considerable economic loss so there is substantial interest in identifying economical and efficacious controls for pests of propagative material that will not impact biocontrol programs already established in greenhouses.



EARTH, WIND, & WATER INSECTS IN ECOSYSTEMS

ESO Travel Awards Winners

Ida Conflitti and Douglas Currie

Speciation and species boundaries in Black flies
(Diptera: Simuliidae)

Brandy Smallwood and Joseph Shorthouse

Feeding behaviour of larvae of *Eurytoma* sp.
(Eurytomidae, Hymenoptera), a common parasitoid
in the leaf galls of *Diplolepis polita* (Cynipidae, Hy-
menoptera)



Attendees at ESO 2009 enjoyed a campfire following the Friday night meet-and-greet mixer. Special thanks to Morgan Jackson for this photo.



Members of Joe Shorthouse's lab take a moment to enjoy the scenery at the Frost Centre Institute. Special thanks to Dr. Shorthouse for these two



Cynthia Scott-Dupree, Joe Shorthouse and Gary Umphrey.

JESO

Manuscripts wanted.

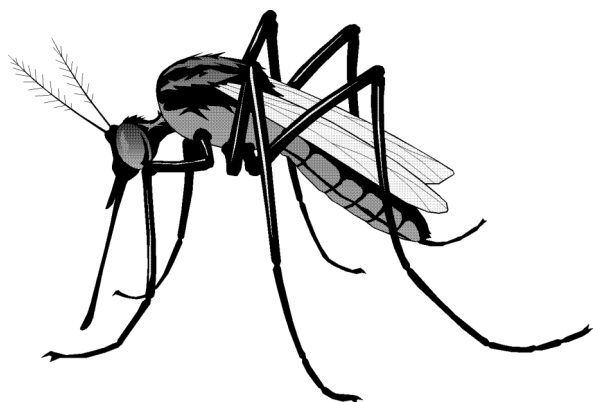


Electronic submissions
should be directed to the
JESO editor, Miriam Richards—
Miriam.Richards@brocku.ca.

Stay connected!

Keep your contact information up-to-date to stay
connected and informed. If your contact information
changes (particularly your email address) ,
please forward it to:

Nicole McKenzie — ESO Secretary
Nicole_mckenzie@hc-sc.gc.ca



**Meetings:
Ontario and Beyond**

Toronto Entomological Association

January 23, 2010—*The Gall in the Middle*
Victoria College, University of Toronto

March 27, 2010—Student Symposium

www.ontarioinsects.org

2010 Eastern Branch Meeting

March 7-9, 2010

Sheraton Annapolis Hotel, Annapolis, MD

2010 North Central Meeting

March 14-17, 2010

Brown Hotel, Louisville, KY

2010 IX European Congress of Entomology

August 22-27, 2010

Budapest, Hungary

<http://www.ece2010.org/index.html>

2010 ESA Annual Meeting

December 12-15, 2010

Town and Country Hotel and Conference Centre
San Diego, CA

**Wanted:
Newsletter Editor**

Want to learn more about the ESO, participate at the
board level and interact with great entomologists? If so,
consider becoming the newsletter editor!

Interested in this great position—then send an email to:

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Nicole_mckenzie@hc-sc.gc.ca