



THE ESO Newsletter

November 2006

Volume 11, Issue 2

2006-2007 OFFICERS OF THE ENTOMOLOGICAL SOCIETY OF ONTARIO

President

Blair Helson 705-949-9461
bhelson@nrcan.gc.ca

President-Elect

Rebecca Hallett 519-824-4120 x54488
rhallett@uoguelph.ca

Past-President

John Huber 613-759-1840
huberjh@agr.gc.ca

Secretary and ESC Representative

David Hunt 519-738-2251 x427
huntd@agr.gc.ca

Treasurer

Kevin Barber 705-941-5432
kbarber@nrcan.gc.ca

JESO Editor

Miriam Richards 905-688-5550 x4406
miriam.richards@brocku.ca

Librarian

Jim Brett 519-824-4120 x4214
jimbrett@uoguelph.ca

Student Representative

Aynsley Thielman 905-688-5550 x3408
athielman@brocku.ca

Webmaster

Barry Lyons 705-541-5617
blyons@NRCan.gc.ca

Newsletter Editor

Jennifer Allen 519-826-4963
Jennifer.Allen@ontario.ca

Directors:

2005-2007

Hannah Fraser 905-562-1674
hannah.fraser@omafra.gov.on.ca
Margaret Pickles 905-356-8789
mpickles@sympatico.ca

2006-2008

Sherah VanLaerhoven 519-253-3000 x2713
vanlaerh@uwindsor.ca
Laura Timms 416-531-9205
laura.timms@utoronto.ca

2007-2009

Doug Currie 416-586-5532
dcurrie@zoo.utoronto.ca
Jeff Skevington 613-759-1647
skevingtonj@agr.gc.ca

WIDE SLUMBER *for* LEPIDOPTERISTS

by Angela Rawlings with illustrations by Matt Ceolin, 2006

Published by Coach House Books

Angela Rawlings is a multidisciplinary artist, editor, writer, poet and very active volunteer in the literary community in Toronto. She is a young Canadian poet and has recently published Wide Slumber for Lepidopterists, her first book of poetry. Rawlings' own description of her book says it's a creative work that *investigates both the studies of sleep/dreams and butterflies/moths. Wide slumber is told from the perspective of a group of entomologists, obsessed with the subject of lepidoptery, and tracks their subconscious behaviour and information processing during a night of sleep.* Rawlings' inspiration for the book developed from her own experience and curiosity: *If a poet writes poems during sleep, how might a lepidopterist work while she sleeps? What effect does intimate examination of insects have on long-term information processing and subconscious behaviour? What happens when you breed the vocabularies and ideas of two disparate subjects together?* A fantastically creative response lies waiting for you to read between the covers of Wide Slumber!

In the foreward, Rawlings utilizes the insect to lead the reader into this poetic fantasy using a rhythmic repeating of moth wings beating *a hoosh a ha*. The book is then divided into 6 chapters. A stage or state of sleep is paired sequentially to the life-stages of these holometabolous insects. I found these pairings (egg= insomnia; egg, larva=dysomnia; larva=nrem; larva, pupa=rem; pupa=parasomnia; imago=arousal) novel and opposite to the associations I brought (egg=still, sleeping; caterpillar=awake, active, eating; and cocoon=sleeping) to the book. Rawlings' linking of the sexually mature adult imago with sleep's arousal was a perfect exit to the book. I also emerged from the book changed and questioning the experience of what I had read, *is it a story or only elements of a story.* For this entomologist, butterflies and moths are more welcoming and more suitable to a night of slumber than most of the

... continued on page 2 ...

I
N
S
I
D
E

JESO NEWS Volume 136	3
ESO 143 rd Annual Meeting.	4-7
ESO President's Prize Winners	6
MEMORIAL ARTICLE: Mike Spironello.	8
ESO Election Results	9
ESO Member Service Ads.	10
Upcoming Meetings	12
And More	

Wide slumber . . . continued from page 1 . . .

insects I have worked with. Though insects are rarely the subject of my dreams, I wonder how many of us have driven home after spending 14 hours peering down a microscope at tiny wiggly insects only to close our eyes in bed, and see these insects reappear on the backs of our eyelids! Though we fight to see something else, it's hard to escape the image our brain gives back to us after spending too much time at the lab! For me, Rawlings' writing captures some of this struggle to process and at times escape the entomological world I'd spent too much time in. The repeating letters and language in Wide Slumber's poems reminded me of the visual images of insects I brought home to my slumber.

Rawlings' poetry has been described as experimental and avant-garde. This is not the poetry I learned to write in my southern Ontario public school and high school creative writing classes. Wide Slumber is not written using a strict meter or form you could expect in haiku poetry. While reading Wide slumber, the words at times lost form and sense, then like the developing insect, the words reformed under Rawlings' pen, taking on new life and form on the pages of this 112 page book. By freely creating new words and letter combinations in her poems, it suggests to me that Rawlings' art is not limited by what currently appears in our written language. There is a definite rhythm and body feel to the poems. It surprised me that a poet could find a way to use the instructional language of collecting, pinning and spreading insects in a poem. Rawlings' description of lepidopteran eggs as *laid in soft curving rows of innocents* is lovely. One reviewer, credited Rawlings with: *stealing the scientific language back for the poetic, by both reclaiming the mounting process and vocabulary of the entomologist and the disease language of sleep disorders* (see full review by Aaron Tucker, Black Ink, October 2006 at <http://www.commutiny.net/>). The poems possess a visual quality; their shape on the page ties in the transformation process beautifully. As I read, I also developed a taste for this poetry. I was excited and curious for the next arrangement of letters and bits of words (phonemes) as well as the sounds I might whisper aloud to myself from these poems. I recommend referring to the glossary as you read the poems. I found knowing the description of the stage of sleep and sleep disorder associated with the poem added another dimension to the poem on the page.

Matt Ceolin's photographs artistically capture insects, jars, pins and text. They are a well-chosen compliment to Rawlings' poetry. For a peek at Ceolin's photography and the original 5-page poem that inspired the book visit: <http://www.commutiny.net/wide/>

Though I have not attended a reading by Rawlings, other reviewers mentioned the skillful way she combines movement with the delivery of her poems. It is likely this same skill that she brought with her to this November's, recent stage production of her book with the talented artists in Theatre Commutiny in Toronto. I look forward to discussing this production with Angela Rawlings in our upcoming interview. I look forward to sharing this interview with you in the next issue of the ESO Newsletter. We hope to discuss her book, the stage production, her favourite insect and her future work.

If you attended the Nov 11-12 stage production of Wide Slumber in Toronto, tell us all about it by writing a review for the next ESO News!

In Canada Wide Slumber can be purchased at local books stores, through Coach House Books, Northwest Passages, McNally Robinson, or online at amazon.ca.

For more information on Wide Slumber, the Theatre Production, full reviews, biographical sketches and more at <http://www.commutiny.net/>

Dana Gagnier

TRAVEL NORTH!

Entomological Society of Ontario
144th Annual Meeting

Fall 2007

Sault Ste. Marie, Ontario

More details coming soon ...

If you live near Sault Ste. Marie or are interested in helping organize the meeting, please contact

Blair Helson at bhelson@NRCan.gc.ca

Come for the conference then stay to enjoy the many attractions that await you in "The Soo."

Start planning your visit:

<http://www.sault-canada.com>

Welcome to our NEW Members in 2006

Membership in our Society continues to grow and our best source for new members is through word of mouth. Mention the ESO to a friend, amateur, co-worker or student of entomology. Application forms are available on the ESO website at:

<http://www.entsocont.com>

Paul Abram
Ibrahim Abu-Zinid
Melinda Barnadas
Connie Chan
David Cheung
Nadine Clarke
Lisa Conroy
Melissa Dugas
Jennifer Fenske
Andrew Frewin
Jason Gibbs
Angela Gradish
Pam Horsley
Jesse Hubley
Morgan Jackson
Helen Juhola
Joanna Kowalczyk

Boris Loza
Mark Lurz
Scott MacIvor
Thamer Mahdi
Amy Meekes
Mona Moineddin
Roy Mosher
Armin Namayandeh
Hien Ngo
Kelly O'Keefe
Jen Perry
Christa Rigney
Laura Robson
Kathleen Ryan
Ali Sabeena
Cory Sheffield
Alex Trendos

I am pleased to report that Volume 136 (2005) has now been published and will be delivered to your mailboxes shortly, if it hasn't been already. This volume contains 6 research articles and one book review (see Volume 136 Table of Contents, below). The next regular volume of JESO is in process. The special D.H. Pengelly Memorial volume is also in process. Special Editor Steve Marshall has reported that all manuscripts have now been submitted. We hope to have this special volume published by mid-2007, which will bring JESO one step closer to regularizing the publication schedule and having JESO titles on the electronic listing services. In addition to finding Table of Contents for our JESO volumes on the ESO website, I hope you will be pleased to know that we will begin posting the pdfs of articles for volumes 135 and 136. JESO articles and titles will be fully-searchable pdfs posted on the internet and should provide our authors with a new level of exposure globally. As a long-range goal, the JESO Committee hopes to continue posting pdf versions of back volumes on the website, working backwards from volume 135, until the entire archive of pdfs for all back volumes of JESO and PESO are available this way. This is an exciting time to publish in JESO, and we encourage all members to consider submitting their next manuscript to our Society's journal.

I look forward to your submissions!

Miriam Richards, JESO Editor
Dept. Biological Sciences, Brock University
miriam@brocku.ca

Volume 136 TABLE OF CONTENTS:

SUBMITTED MANUSCRIPTS

BOUCHARD, P., T.A. WHEELER, and H. GOULET. -- Ground beetles (Coleoptera: Carabidae) from alvar habitats in Ontario.

MARTIN, A.D., R.S. VERNON, and R.H. HALLETT. -- Influence of colour and trap height on captures of adult pea leafminer, *Liriomyza huidobrensis* (Blanchard) (Diptera: Agromyzidae) in celery.

BUCK, M., S.M. PAIERO, and S.A. MARSHALL. -- New records of native and introduced aculeate Hymenoptera from Ontario, with keys to eastern Canadian species of *Cerceris* (Crabronidae) and eastern Nearctic species of *Chelostoma* (Megachilidae).

PREE, D.J., K.J. WHITTY, M.K. POGODA, and L.A. BITTNER. -- Status of resistance to insecticides in populations of the Oriental fruit moth *Grapholita molesta* (Busck) (Lepidoptera: Tortricidae) in southern Ontario.

JONES, T., J.L. SHIPP, C.D. SCOTT-DUPREE, and L.A. BITTNER. -- Influence of greenhouse microclimate on *Neoseiulus (Amblyseius) cucumeris* (Acari: Phytoseiidae) predation on *Frankliniella occidentalis* (Thysanoptera: Thripidae) and oviposition on greenhouse cucumber.

ZILAH-BALOGH, G.M.G., R.G. FOOTTIT, G. FERGUSON, and J.L. SHIPP. -- New records for *Rhopalosiphum rufiabdominale* (Sasaki) (Hemiptera: Aphididae) on greenhouse tomatoes and peppers.

BOOK REVIEWS

FITZSIMMONS, J.M. -- For love of insects. 2003. by T. Eisner.

Call for Nominations

It's not too early to **start thinking of candidates for the 2007-2008 ESO Election.**

The Nominations Committee is calling on the ESO Membership to nominate candidates interested in running for the elected positions on our Board of Officers:

President-Elect Directors & Student Representative

We require a minimum of 2 candidates for the position of President-Elect, at least 3 candidates to fill the 2 Director positions, and at least 2 candidates for the position of Student Representative. Our Student Rep position is a one-year term, while the Directors each serve a three-year term. You'll notice that our current list of ESO Officers (see front page of newsletter) includes a total of 6 Directors. Two directors are replaced on an annual basis. Like the Director position, the President-Elect is also engaged in Society business for a three-year period as the individual serves one year in both subsequent presidential positions as the President, and then Past-President.

Any member of our society can nominate a candidate. However, candidates must also agree to let their names stand for election. It's a compliment to be nominated, and the duties are by no means onerous, yet they are critical to the smooth functioning of the Entomological Society of Ontario.

The ESO Nominations Committee gathers the names of candidates and their biographies to be printed in the Spring ESO Newsletter. Election ballots will be mailed to members in the Spring. Ballots are then returned to the secretary and counted. Successful candidates will be notified and begin serving on the ESO Governing Board at the 2007 Annual General Meeting.

Please forward your nominations and informal suggestions to the ESO Secretary, **Dave Hunt** or Past-President, **John Huber**.



The Many Facets of Entomology

Entomological Society of Ontario
 October 27-29, 2006
 OMAFRA Conference Centre,
 Guelph, Ontario

Friday night's "Entomology Karaoke" brought out the best in us . . .



Above (left to right): Margie Wilkes, Sheila Goodfellow, Rebecca Hallett, Laura Timms, Sigrun Kullik, Dana Gagnier, Andrienne Brewster, Carrie Woods, and Margaret Pickles



Above (left to right): Steve Paiero, Sigrun Kullik, Joel Kits, David Cheung, Morgan Jackson, Matt Bergeron, Philip Careless, and Owen Lonsdale

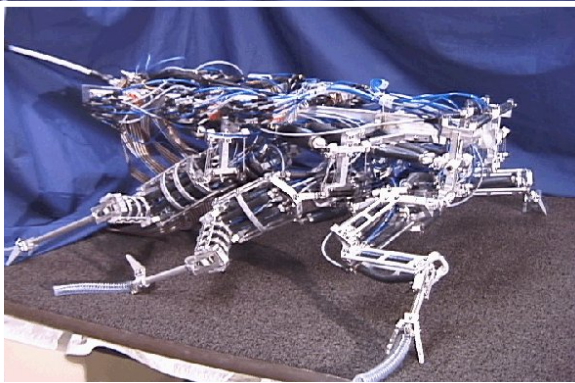
The 143rd Annual Meeting of the ESO was held in Guelph, Ontario over the October 27-29 weekend. The 2006 theme was "The Many Facets of Entomology". The event opened Friday evening in the Ramada Inn with a social mixer and a silent auction, enlivened by an entomological Karaoke. University of Guelph's Dr. Paul "Karaoke King" Sibley kicked off the Karaoke portion of the mixer. Students were dressed up bug-wise for the evening. The range of silent auction items was impressive. Over 50 items, including newly published and vintage entomology books, posters, stained glass insects, photographs, t-shirts, pinned butterflies in glass cases, and wine were some of the items available to bid on. The silent auction remained open Saturday in the foyer of the OMAFRA Centre where the ESO meeting occurred.

During Saturday lunch and the afternoon coffee break, eight student posters were available for viewing in the President's Prize Poster Competition. Interspersed between student posters were nine posters prepared by regular members.

The Many Facets of Entomology: *Diseases, Robots, and Face-painting*

As session chair Gard Otis promised the speakers' research endeavours "pushed the frontiers of entomology". The plenary session certainly reflected the theme of the meetings – *The Many Facets of Entomology*. From disease vectors, to robots, to face painting each of the speakers had a unique slant on the intriguing world of insects.

Sander Koenraad, Cornell University, in his talk "Emerging mosquito borne diseases: current themes and challenges ahead" discussed studies in the tropic and close to home. Many factors other than vector and pathogen biology can change the way outbreaks develop and progress. Global warming, human mobility, and public attitude can all play a role. Koenraad took us to rural Kenya to study the behaviour of Malaria mosquitoes. A difference in mosquito and disease occurrence was observed in villages that were separated by only 50 kilometers but 400 meters in altitude. Presently, there is a higher occurrence of Malaria in the lowlands since the temperature in the highlands is below the threshold for larval survival. A rise in average temperatures of 2°C, caused by global warming, would increase larval survival and precipitate a malaria outbreak. In a study of Dengue fever in Thailand it was concluded that the virus was circulated only small distance by the mosquitoes but large distances by humans. Closer to home public education programs that stress that insect repellent use can decrease the risk of West Nile Virus result in knowledge but not action. There is a huge gap between what people learn and what they do.

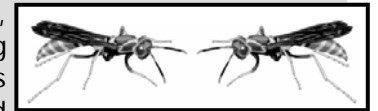


Robot V is 20X the size of *Blaberus discoidalis* (Source: <http://biorobots.case.edu>) courtesy Roger Quinn, Case Western Reserve University.

Science Fiction often looks to insects for inspiration but at the Case Western Reserve University Robotics Lab real science looks to insects for guidance. Dr. Roger Quinn and his colleagues are studying the gait and mobility of insects to guide them on their quest to create an autonomous robot. We were entertained (and educated) by many video clips of running and climbing cockroaches, and the prototype robots that they have inspired. With six legs and a joined body these robots not only look like roaches but act like roaches, too. They walk, they run, they climb and fly! One flying robot folded back its wings to clear a doorway! Watching bug-like robots climbing stairs, running through bumpy fields, and even up walls and through small holes was not only amusing, it was awe-inspiring. The possible applications for a robot that can "autonomously climb obstacles using tactile antennae while avoiding obstacles

using ultrasonic sensors in a bat-inspired configuration" are endless. These robots that are "not just brutes that barge over obstacles" are presently being used in research on guidance and navigation strategies, but I predict a role in the next James Bond movie.

Keeping with the Halloween theme established at the Friday evening icebreaker, Elizabeth Tibbetts, University of Michigan, discussed her work of face painting wasps in the pursuit of knowledge. Tibbetts' talk "Wasps know each other's faces: visual signals of individual identity and quality in *Polistes* wasps" revealed that the sophisticated behaviour of individual recognition, previously thought of as beyond insects, does occur in some species of *Polistes* wasps. A matrix of many wasp faces revealed to us that the amount of white space and size and numbers of black dots varied greatly between individuals. Tibbetts, who is obviously very dexterous and patient, painted faces of individual wasps, (changing the amount of black) then observe the change in behaviour of the nest-mates as the painted individuals re-entered the nest. Not only did the studies reveal that individual recognition was possible and may be widespread, but in some species their facial markings are signals of quality and denote social status. Natural selection at work: although some wasps were even caught cheating, displaying faces that were beyond their social status or fitness.



I must admit these speakers broadened my insect horizons. Just the other day as I was sorting through frozen wasps in preparation for an insect lab with my horticulture students I found my thoughts wondering. I realized I was inspecting their individual little faces and pondering about each ones' prowess and social status. I imagined them as a fleet of flying robots on a mission. And last but not least as I tuck them back in my freezer, away from global warming, I felt secure that they would pose no threat!

Margaret Pickles

Saturday afternoon was devoted to the traditional President's Prize Competition for the best student oral presentation. Thirteen talks were given by students ranging from undergraduate to Ph.D. All were of high quality and, together with the student posters, showed the great range of entomological interests being pursued in Ontario universities. The use of animation in some talks added to the level of enjoyment.

After a short Annual General Meeting and break we enjoyed drinks in the OMAFRA foyer prior to the ESO banquet.

The final 20 minutes of the silent auction saw a flurry of bidding activity, with bids rising faster than entomologists could locate their cheque books. Receipts from the auction were used to help defray costs of running the meeting. Once all the Silent Auction bids were in, Sheila Goodfellow introduced the top five bidders and presented them with their items, to much applause.



Pictured above, the ceremonial roach and ESO gavel are passed from past-president John Huber (right) to president Blair Helson (left) before the close of the 2006 AGM. The ESO roach now resides with Blair in Sault Ste. Marie for one year. It might sound odd that we pass a roach to our new president each year, but if you asked a past president, they'd likely say it was an honour to be handed it.



Graduate Winner: Curtis Russell, Brock University



Oral Presentation: Analysis of the possible attraction of *Culex pipiens* to humans in the Golden Horseshoe
Curtis B. Russell and Fiona F. Hunter



It is the ESO's pleasure to honour these outstanding entomology students!

Undergraduate Winner: Jesse Hubley, Laurentian University



Oral Presentation: Impact of switching hosts on the rose galler *Diplolepis spinosa* (Hymenoptera: Cynipidae) and two of its parasitoids
Jesse N. Hubley and Joe D. Shorthouse



Poster Winner: Hien Ngo, York University
Bee biodiversity in coffee agroecosystems
Hien Ngo, Department of Biology, York University



My study involves looking at bee biodiversity in coffee systems in Costa Rica. Shade-grown coffee farms may support a different bee community compared to unshaded (sun) coffee farms. Preliminary data results show that unshaded coffee farms support a higher number of individuals and species of bees than shaded coffee farms.

Oral Winner: Amy Sharp, Brock University

Mermithid-infected black flies (Diptera: Simuliidae): An examination of sexual determination and developmental stage

Amy L. Sharp and Fiona F. Hunter, Department of Biological Sciences, Brock University

Mermithid nematodes (Nematoda: Mermithidae) parasitize larval, pupal and adult black flies (Diptera: Simuliidae). Such parasitic infections often result in feminization of sexually dimorphic traits. The developmental stage at which host feminization occurs was determined by examining morphological and chromosomal conditions of gonads from mermithid-infected simuliid larvae of early and late development.



Oral Runner-up: Philip Careless, University of Guelph
A new recruit in the fight against Emerald Ash Borers

Philip Careless, Department of Environmental Biology, University of Guelph

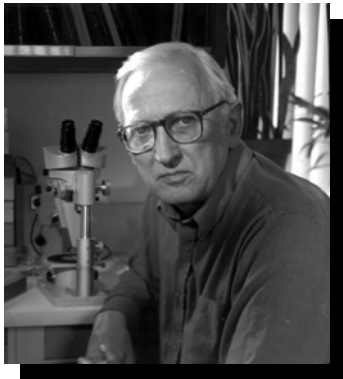
To open the awards portion of the banquet, Gard Otis said a few words on behalf of the judging committee. Our judges had a difficult time determining winners among such a good field of President's Prize competitors. ESO President John Huber presented the graduate travel award to Curtis Russell and the undergraduate travel award to Jesse Hubley. Hien Ngo's poster presentation and Amy Sharp's oral presentation earned each of these students a President's Prize Award. Philip Careless was chosen as the runner-up for his oral presentation. A newly minted ESO pin was also given to each of the winning recipients in the President's prize competition. The winners and their abstracts are highlighted on the opposite page of this newsletter.

Our after-dinner speaker was Tom Mason, Curator of Insects at the Toronto Zoo. Mr. Mason presented a lively and entertaining, illustrated account of some of his exploits collecting, rearing and maintaining an enviable assortment of living arthropods for public display. He has clearly taken the living display of these organisms to a new level during his many years working with insects.

**E
S
O

F
E
L
L
O
W**

Fellow of the Entomological Society of Ontario: Dr. Glenn B. Wiggins



Dr. Glenn Wiggins (left photo) is our newly-elected Fellow of the ESO. Chris Darling, who shared many years at the Royal Ontario Museum in Toronto with Dr. Wiggins, said a few words of thanks on behalf of Dr. Wiggins, who was not able to attend the meeting.



Chris Darling (above left) accepted our plaque on behalf of Dr. Wiggins.

**S
E
R
V
I
C
E

A
W
A
R
D
S**



Neil Carter accepted our service award for
David Pree
 JESO Associate Editor
 1983-2005



Yves Prévost
 JESO Scientific Editor
 2002-2006



Dana Gagnier
 ESO Newsletter Editor
 2004-2006

On behalf of the Society, President John Huber presented "plaques of recognition" to three of our outgoing Appointed Editors; David Pree, Yves Prevost, and Dana Gagnier. Thank-you to each of these hard-working volunteers for dedicating years of service to the ESO!

ESO 2006 was successfully concluded Sunday morning with a first-class selection of eleven talks, including some by students who chose to not enter the President's Prize Competition this year.

All in all, the presentations at this ESO brought much new and interesting entomological information to the members present. The level of enthusiasm shared among students and professional entomologists demonstrates that entomology continues to thrive in Ontario.

We extend our thanks to the ESO 2006 General Co-Chairs: Sigrun Kullik and Sheila Goodfellow, and their entire team of talented entomologists and students that helped plan, fundraise, organize and host our meeting. We were impressed with the professionally-designed and well-maintained ESO2006 website provided by the organizing committee. Your hard work made this meeting a success!



The Canadian entomological community lost a rising star with the untimely passing of Mike Spironello. In the final year of his PhD program at the University of Toronto and Royal Ontario Museum, Mike had made tremendous progress in his study of the speciation process in black flies. What set him apart from most other researchers was his versatility — his ability to use a combination of morphological, cytological, and molecular approaches in his analyses of black fly evolution. The death of someone with such promise and vigor, and at such an early stage in his career, is a major loss to our community.

Mike was deeply engaged in both the Entomological Society of Ontario and the North American Black Fly Association (NABFA). He was Secretary of the latter organization and designer of their website, serving as web master until the time of his death. He was also a charter member of the fledgling Canadian Society for Ecology & Evolution, giving a presentation of his research at the April 2006 organizational meeting in Montreal. Mike was highly productive throughout his graduate career, contributing numerous publications and conference presentations (cf. bibliography). He also contributed towards the success of the University of Toronto's undergraduate program, having served as a Teaching Assistant to several cohorts of students in Introductory Biology and Entomology.

In addition to excelling in academic pursuits, Mike was equally gifted as a musician and athlete. When he wasn't in the lab he enjoyed making music, racing his bike, or teaching one of his beloved 'spinning' classes. Spinning involves the use of stationary bicycles in a classroom setting, and Mike was famous locally for his musical theme nights. So popular were his classes — in which he sometimes dressed up as a cowboy, a disco king, or even Madonna — that he was the subject of several newspaper and magazine articles. Spinning was created in the 1980s by an ultra-endurance athlete, and participants are intended to set goals based on their heart rate. Ironically, despite the fact that Mike was in outstanding physical condition, he succumbed to heart failure while teaching one of his classes. The cause of death was myocarditis, an uncommon infection that weakens the heart and is responsible for 20% of all cases of sudden death in young adults. Mike was unaware that he had contracted the disease.

Despite his many accomplishments as scholar, musician and athlete, Mike will be remembered most for his outstanding human qualities. He had a charisma about him that attracted friends and admirers from his many walks of life; yet through it all he remained humble to a fault. The fact that his funeral attracted more than 600 people is testimony to the number of lives that Mike touched during his 28 years.

On his death, Mike's family requested that donations be made to two institutions that were near and dear to his heart: the Entomological Society of Canada and the Wildlife Research Station in Algonquin Park, Ontario. This was apropos given Mike's enthusiasm for insects, and his particular fascination with black flies. He was among the few people I know who willingly shared northern Ontario with the vernal hordes. In fact, Mike returned from a northern fishing trip just a day before his death. He marveled in his final e-mail message to me that he "was swarmed by vennis [*Simulium venustum*] in Cochrane!" His message concluded "Very north and very early for those little buggers". Others might have used less temperate language to describe these noxious pests.

To honor his memory the North American Black Fly Association has established the Mike Spironello Award, which will be presented each year to the student who gives the best talk at the annual meeting. And as a further tribute to Mike's contributions to simuliidology, Doug Craig (University of Alberta), Fiona Hunter (Brock University), and I have joined together to formally name a new species of black fly after him (Craig et al., In Press). I think he would have appreciated that.

Douglas C. Currie

Department of Natural History, Royal Ontario Museum & Department of Ecology & Evolutionary Biology,
University of Toronto, Toronto, ON, Canada, dcurrie@zoo.utoronto.ca

Special thanks to ESO Member Doug Currie for writing this Memorial Article for our ESO Members.

Restoring the ESO Logo



During the past year, the ESO Public Education Committee worked with ESO member Sigrun Kullik and graphic artist Mark Munro at the Graphic Studio, University of Guelph to restore the traditional ESO Logo (left). Sigrun, who is a University of Guelph entomology post-doc and graphic artist herself, served as an authority on the graphic aspects

of the job and provided a liaison between the entomologists on the Board and the graphic artist, Mark Munro. We are grateful for all of the work Mark and Sigrun put into this project. For those of you who attended this year's ESO Annual Meeting in Guelph, you will have seen this logo printed in the program and unveiled at the Annual General Meeting. In this article, we provide a few more details and credits associated with this project.

Initially, we had only a 3x4 inch negative of the traditional logo to work from. Our goal was to have a digital, black and white, high resolution graphic image of the logo prepared that could be used in a variety of media: print, letterhead, website, projection, plaques, pins etc. A suitable black and white digital image would then be used in a letterhead image for the Society, as well as forming the template for a colour logo.

The artist, Mark Munro, redrew our entire logo and reproduced it in a digital format. This included each of the original, hand-drawn letters in the outer ring. The outline on the Ontario map was corrected to reflect the current political boundaries which had changed slightly since the original logo was drawn. All logo elements were re-aligned and re-centered to create a balanced image.

The new logo is a vector based graphic. As such, it scales up in size smoothly, without ragged edges or loss of image quality or colour. The wings of the monarch on our logo are now shaded, with multiple colour tones. The artist has matched the wing colours on the logo to those found on actual field-collected monarch specimens. Sigrun collected these monarchs herself, this fall! We hope you'll agree that the newly restored and coloured logo (see front page of this newsletter) is an excellent reproduction of our original ESO logo (pictured above)!

For the new letterhead image, the artist arranged the hand-drawn letters from the original logo horizontally. These letters were recreated as a custom font for the ESO! Here is that lettering for you to admire:

Entomological Society of Ontario

There seems to be no end to what can be created when working with images in a digital format. Completing this work has been a goal of the Board for many years. We are very pleased with the high-quality, professional-looking logo and letterhead that were produced for the ESO. We look forward to using these images in the future!

Dana Gagnier for the ESO Public Education Committee

E
L
E
C
T
I
O
N

R
E
S
U
L
T
S

&

B
O
A
R
D

C
H
A
N
G
E
S

This year's ESO election ballot listed two candidates for president-elect, three candidates for our two director positions, two candidates for student representative and one nominated ESO Fellow. Ballots were returned and tallied in August 2006.

We are pleased to extend a warm welcome to the following elected candidates:

President-Elect:

Rebecca Hallet, University of Guelph, Department of Environmental Biology, Guelph, ON

2007-2009 Directors:

Doug Currie, Department of Natural History, Royal Ontario Museum & Department of Ecology & Evolutionary Biology, University of Toronto, Toronto, ON

Jeff Skevington, Diptera Systematist, Agriculture and Agri-Food Canada, Ottawa, ON

Student Representative:

Aynsley Theilman, M.Sc. Candidate, Brock University, St. Catharines, ON

Fellow of the ESO:

Dr. Glenn B. Wiggins, Emeritus Curator of Entomology, Royal Ontario Museum & Professor Emeritus, University of Toronto, Department of Zoology, Toronto, ON

We wish to thank all the candidates for allowing themselves to be nominated and letting their name stand for election. We also thank all the members who cast their vote and returned their ballot. Thanks for doing your part for the ESO election.

We are pleased to welcome the newly appointed Newsletter Editor to the Board.

Newsletter Editor:

Jennifer Allen, Ontario Ministry of Agriculture Food and Rural Affairs, Guelph, ON

Thanking our departing Board Members

As the newly-elected board members take their positions on the ESO Board, we also wish to thank our departing members for their dedication and service to the Society over the past three years. On behalf of the Society we wish to thank our out-going Past-President **Fiona Hunter**, 2004-2006 Directors **Patrice Bouchard** & **Gary Umphrey** and Newsletter Editor **Dana Gagnier**. Thanks to **Christine Bahlai** for being our 2005-2006 Student Representative. Thanks for all your efforts!



JAY COSSEY
CLOSE UP
INSECT / NATURE
PHOTOGRAPHY
IN THE FIELD

APRIL 2, 2007

7:30PM.

New-comers welcome!

HGCC invites photography enthusiasts of Kitchener-Waterloo and area to attend their meetings & 2006-7 Program speaker series.

Highland Glen Camera Club meets at
Waterloo Community Arts Centre
25 Regina Street South
Waterloo, Ontario N2J 1R8

Website: <http://highlandglen.ca>

Email: hgcc@highlandglen.ca

(Send HGCC an email if you plan to attend.)

Reconnecting with Jay Cossey

ESO Readers will remember an article in ESO News 9:1 (February 2004) where we featured the photography of London amateur entomologist and photographer, Jay Cossey. At that time, National Geographic had just published 24 of Jay's butterfly photos in their 2004 Butterfly Calendar.

Last month, I emailed Jay to ask him what insects he was photographing this past summer. He sent me the hairy-necked *Cicindela hirticollis* portrait (above) and wrote:

In June I drove to Illinois hoping to see a Regal Fritillary and wasn't disappointed. What a majestic creature! The Cleveland Museum of Natural History organizes nature preserve hikes throughout the year. I volunteer to help with as many as I can. Last month we found a thriving colony of the threatened Tiger Beetle, *C. hirticollis* on the south shore of Lake Erie.

The season is gearing down in terms of field work so I've started sifting through last season's photographs, hoping to completely overhaul my website before spring. Needless to say, Steve Marshall's new book is my constant companion. On April 2, 2007, I've been invited to speak to members of the Highland Glen Camera Club in Waterloo.

To see more of Jay's photography, check out the insect gallery on Jay's website; it features a wide variety of bugs taken in a wide variety of locations.

Website: www.photographsfromnature.com

Perhaps, like me, you'll be inspired to visit the Cleveland Museum of Natural History. As I'm finding out, there's lots to see and do in Cleveland, Ohio in every season.

Dana Gagnier

ESO MEMBER

SERVICE ADS

SCIENTIFIC ILLUSTRATOR

by **Melinda Barnadas**

Melinda Barnadas recently moved to Ontario. Previously, she worked for the Field Museum and the American Museum of Natural History in Chicago. She is interested in entomological illustration work.

Email: melindabarnadas@yahoo.com

Cell Phone: 647-887-9667

LECTURER / RESEARCHER

by **Thamer Madi**

Thamer Madi recently moved to Ontario, where he would like to find work in his field.

Thamer earned a PhD in Biological Sciences-Animal Ecology, UK and has in-depth knowledge of entomology, biodiversity & ecosystems. His expertise lies in planning & implementing ecological studies. He is proficient in statistical packages such as SPSS & Minitab. He has 15 years experience teaching undergraduates & graduates.

Email: thamermm@hotmail.com

Phone: 416-520-1486 or 905-567-0937

If you are a photography enthusiast in the K-W area, you might enjoy joining the **Highland Glen Camera Club** or attending HGCC meetings.

The HGCC offers its members a number of ways to improve their photography, see work of other photographers and speakers, get feedback on images, engage in competitions, participate in workshops, get new ideas, and spend time with other people who share their interest in photography. The club is affiliated with the Canadian Association for Photographic Art (CAPA) and the Greater Toronto Council of Camera Clubs.

Meetings are usually the 1st and 3rd Monday of the month, starting on the third Monday in September until the end of April (year-end awards banquet in May).

Meetings start at 7:30pm and end before 10:00pm, and are held at the Waterloo Community Arts Centre in uptown Waterloo (the old "Button Factory").

The club's website features 2006-7 program details, upcoming meetings, galleries, newsletters, details on their digital imaging group meetings, links and classifieds.

Website: <http://highlandglen.ca>



Upcoming Events: EVENTS & MEETINGS IN ONTARIO

3rd ONTARIO INSECT FAIR—9am to 4pm, November 19th, 2007.
To be held in Mississauga in conjunction with the [Ontario Reptile Expo](#). St Johns Hall, 2185 Stavebank Road, Mississauga, ON. See website for more details. ****Watch website for Spring 2007 Insect Fair!****
Website: http://thornesinsects.com/insect_fair/index.html

TORONTO ENTOMOLOGIST'S ASSOCIATION

The Toronto Entomologists' Association (T.E.A.) welcomes everyone who is interested in the insects of Ontario. The TEA meets at 1 Pm on the 4th Saturday of the month from September to April, usually in Room 113 of Northrop Frye Hall at Victoria College. This is near the ROM, and is across Queen's Park Crescent from the University of Toronto law school building. See the U of T map. (Museum subway stop; opposite the Royal Ontario Museum on the east side). *Come to our meetings, join us on our field trips, purchase our publications, apply for the research grant, join us!*
TEA Website: www.ontarioinsects.org

Saturday, November 25, 2006 -1 p.m.- Chris Darling
VIGNETTES OF INSECT NATURAL HISTORY

Saturday, January 27, 2007 -1 p.m.- Jessica Grealey
A JOURNEY INTO THE JUNGLES OF MONTEVERDE, COSTA RICA: LIVING AMONG THE CREEPY CRAWLIES

Saturday, February 24, 2007 -1 p.m.- Paul Hebert
DNA BARCODING OF LEPIDOPTERA

Saturday, March 24, 2007 -1 p.m.- STUDENT SYMPOSIUM
Special location: Ramsey Wright Building U of T, 25 Harbord St (SW corner of St George & Harbord), Room 432)
Graduate students from Ontario universities present results of their research in entomology through brief talks and posters. If you are interested in participating, please e-mail Doug Currie, academic co-ordinator of the symposium, at dcurrie@zoo.utoronto.ca

Saturday, April 28, 2007 -1 p.m.- Margaret Pickles
ENTOMOPHAGY: TICKLING THE TASTE BUDS

T.E.A. – Student Travel Award

W. John D. Eberlie Research Travel Grant is a research travel award of \$300 to assist graduate or undergraduate students conducting original field research into Ontario insects. Find further details on how to apply (by March 25), or to request an application on their website.

For more T.E.A. details, visit:

Website: <http://www.ontarioinsects.org/who%20we%20are.htm#trips>

Ottawa Entomology Club – Monthly Meetings

This is an informal gathering that meets on the 3rd or 4th Thursday of each month (September to April) at 8PM in the K.W. Neatby Bldg. on the Central Experimental Farm. Typically, a visitor or a local insect enthusiast gives a slide show of recent insect work or presents a travelogue from a collecting trip. Notices for these meetings are sent out a week or two in advance, and often are posted on the doors of Carleton University Biology Department professors Drs. J. Yack or S.B. Peck. Interested entomologists are encouraged to attend. For more information about upcoming meetings, you can contact Dr. Bruce Gill at: gillbd@inspection.gc.ca

Highland Glen Camera Club Meeting Speaker (see newsletter ad page)

Monday, April 2, 2007 -7:30 p.m.- Jay Cossey
CLOSE UP INSECT/NATURE PHOTOGRAPHY IN THE FIELD
More details on Website: <http://highlandglen.ca>

144th Annual Meeting of the ESO—Sault Ste. Marie, ON - Fall 2007
(see newsletter ad on page 2)
Contact: **Blair Helson** (bhelson@nrcan.gc.ca) for more details

MEETINGS: OUTSIDE ONTARIO

56th ESC Annual Meeting
Joint Meeting of the Entomological Society of Canada and Société d'entomologie du Québec, November 18-22, 2006, Holiday Inn Midtown Hotel, 420 Sherbrooke St W, Montréal, Qc.
Meeting Theme: Diversité
SEQ Website: <http://www.seq.qc.ca/>

ESA Annual Meeting, December 10-13, 2006, Indianapolis Convention Center Indianapolis, IN Theme: Give Something Back: Time, Skills, Resources
Website: http://www.entsoc.org/annual_meeting/current_meeting/index.htm

Eastern Branch ESA Annual Meeting, March 17-21, 2007, Harrisburg, PA; Harrisburg Hilton and Towers
Website: <http://www.ento.vt.edu/EBESA/esaeb.html>

62nd North Central Branch ESA Annual Meeting & Joint Meeting of the Entomological Society of Manitoba, March 25-28, 2007, Delta Hotel, Winnipeg, Manitoba, Canada
Website: http://esa.ent.iastate.edu/2007_winnipeg/meeting

ESA Annual Meeting, December 9-12, 2007, Town and Country Hotel & Convention Center San Diego, CA
Theme: Making Connections: Passion for progress through Innovation, Initiative and Influence
Website: http://www.entsoc.org/annual_meeting/Future_meetings/2007/index.htm

XXIII International Congresses of Entomology (ICE 2008), 6 - 12 July 2008, Durban, South Africa
Theme: Celebrating Entomology: Contributions to Modern Science
Website: <http://www.ice2008.org.za/>

NEW Pollination Biology Text

Title: **Practical Pollination Biology**
Edited by: Amots Dafni, Peter G Kevan and Brian C Husband
Pages: 590 pages, hard cover

Features: -provides basic conceptual background on 200+ years of scientific tradition of pollination biology internationally
-pollination biology incorporates ideas, methods, and technology from pure and applied science
-pollination biology has become a model for integrating physics, chemistry, and biology into natural history, evolutionary and applied ecology
-photographs, drawings, tables, graphs, diagrams and broad-based source of methodologies, techniques and approaches

Available online: Volumes(www.volpub.com), in USA through BioQuip (www.bioquip.com), in Europe through Natural History Book Store (www.nhbs.com)
Purchase Orders and Bulk Orders, please address to Publisher: Enviroquest Ltd., 352 River Road, Cambridge, ON N3C 2B7 CANADA. Fax: 519-658-0573

SEND New ESO NEWSLETTER SUBMISSIONS TO:

Jennifer Allen, ESO Newsletter Editor, O.M.A.F.R.A.,
1 Stone Road West, Guelph, ON N1G 4Y2
Phone: 519-826-4963, Fax: 519-826-4964
Email: Jennifer.Allen@ontario.ca